

**ABSTRACT OF STATISTICS
FOR
TAMIL NADU**



VOLUME XXVI No. 1
FOR THE QUARTER ENDED MARCH 1981

**DEPARTMENT OF STATISTICS
MADRAS**

Price : Rs. 16-70

**ABSTRACT OF STATISTICS
FOR
TAMIL NADU**

**VOLUME XXVI No. I
FOR THE QUARTER ENDED MARCH 1981**



**DEPARTMENT OF STATISTICS
MADRAS**

P R E F A C E

The Abstract of Statistics for Tamil Nadu presents current statistics on important select items in the form of a compendium. This publication is intended to serve as an authoritative book of reference for Government departments statisticians, economists, planners, research scholars and others.

This issue presents, statistics for the quarter ended March 1981 with comparative data so far available.

The chapters on “ Economics situation in Tamil Nadu ” and “ Select Economic indicators ” afford an indication of the tempo of progress in our State.

A special feature of this issue is the inclusion of a report on “ The size and pattern of Women Employment in Tamil Nadu.”

The co-operation extended by Heads of Departments in furnishing materials used in the compilation is gratefully acknowledged.

Madras,
Date 6th June 1981

V. RAMAMURTHY,
Commissioner of Statistics.



CONTENTS

PART—A

ECONOMIC SITUATION IN TAMIL NADU

3

PART—B

THE SIZE AND PATTERN OF WOMEN EMPLOYMENT IN TAMIL NADU

9

PART—C

SELECT ECONOMIC INDICATORS

1. Growth of Population	33
2. Index numbers of Agricultural Economy	33
3. Index number of wages paid to certain categories of Agricultural Labourers.	34
4. Index numbers of Industrial Production	36
5. Index numbers of Handloom Production	36
6. Index numbers of wholesale Prices	37
7. Consumer Price Index numbers for Industrial workers ..	37
8. All India average Consumer price Index numbers for Industrial workers.	37
9. Consumer price Index numbers for Urban non-manual Employees	37
10. Index number of Rural Prices	38
11. Index number of Parity	38
12. Index numbers of total value of foreign Imports and Exports ..	38
13. Index numbers of Employment	38
14. Index numbers of nett State Domestic Product of Tamil Nadu by Industry of origin at current prices	39
15. Index numbers of nett State Domestic Product of Tamil Nadu by Industry of origin at constant prices	40

PART—D

I. CLIMATE AND RAIN FALL

1.1 Rain fall by District	44
1.2 Water levels in Select reservoirs	45

II. AREA AND POPULATION

2.1 Area and Population by districts	47
2.2 Growth Rate, Density Sex Ratio and Literacy	48
2.3 Scheduled Castes and Scheduled Tribes	49
2.4 Population by Categories of workers	50

III. AGRICULTURE

3-1	Land Utilisation	53
3-2	Area Irrigated by Sources/Crops .. .	58
3-3	Index numbers of Agricultural Economy .. .	60
3-4	Index numbers of wages paid to certain categories of Agricultural Labourers.	62
3-5	Estimates of Area under PADDY for Kharif and Rabi seasons.	63
3-6	Estimates of Area under CHOLAM for Kharif and Rabi seasons.	65
3-7	Estimates of Area under CUMBU for Kharif and Rabi seasons.	65
3-8	Estimates of Area under RAGI for Kharif and Rabi seasons.	66
3-9	Estimates of Area under COTTON for Kharif and Rabi seasons.	66
3-10	Estimates of Area under GROUNDNUT for Kharif and Rabi seasons.	67
3-11	Estimates of Area under SUGARCANE for Kharif and Rabi seasons.	67
3-12	Estimates of Area under POTATO for Kharif and Rabi seasons.	67
3-13	Estimated Area, number of Palms and production of Coconut.	68
3-14	Estimated Area, number of Palms and production of Arecanut	69
3-15	Area and Production of certain minor crops .. .	70
3-16	Summary of Forecast Report on certain crops .. .	72

IV. INDUSTRIES

4.1	Annual Survey of Industries	75
4.2	Industrial Production by products .. .	80
4.3	Index Numbers of Industrial Production .. .	84

V. HANDLOOM

5.1	Production of Handloom cloth	90
-----	--------------------------------------	----

VI. JOINT STOCK COMPANIES

6.1	New Registration and liquidation of Joint Stock Companies	91
6.2	Industrial Break-up of New Registration of Joint Stock Companies.	92

VII. ELECTRICITY

7.1	Generation of Electricity	94
7.2	Power purchased.	95
7.3	Consumption of Electricity	95
7.4	Rural Electrification	95

VIII. HOUSING.

8.1	Houses constructed by Tamil Nadu Housing Board under different schemes.	96
8.2	Houses constructed by Tamil Nadu Slum Clearance Board.	96
8.3	Number of permits sanctioned for construction of Buildings in Public and Private Sectors in Madras city.	97
8.4	Index Numbers of Building cost in Madras city.	97

IX. TRANSPORT.

9.1	Registrations of Motor Vehicles.	98
-----	----------------------------------	----

X. PRICES.

10.1	Monthly Average wholesale prices of select commodities.	100
10.2	Annual Average wholesale prices of select commodities.	101
10.3	Monthly Average Retail Prices of select commodities.	103
10.4	Annual Average Retail Prices of Select commodities.	104
10.5	Index Numbers of wholesale prices.	106
10.6	Consumer Price Index Numbers for Industrial workers	107
10.7	All India Average consumer Price Index Numbers for Industrial workers.	107
10.8	Consumer Price Index Numbers for Urban Non-Manual Employees.	108
10.9	Index Numbers of Rural Prices.	109
10.10	Index Numbers of parity.	109

XI. TRADE.

11.1	Imports and Exports.	110
------	----------------------	-----

XII. LABOUR AND EMPLOYMENT

12.1	Registrations and placements through employment exchanges by Districts.	111
12.2	Percentage of Average Daily attendance of permanent workers in plantations.	113
12.3	Average Daily Earnings of workers in plantations.	114
12.4	Number of Plantations Registered and number of plantation that Reported particulars.	115
12.5	Percentage of permanent workers to total number of workers in Plantations.	115
12.6	Percentage of Temporary workers to total number of workers in plantations.	115

XIII LOCAL BODIES

13.1	Area and Population of Municipal Bodies.	..	..	116
13.2	Sanitation facilities in Municipal Bodies.	..	..	117
13.3	Water supply in Municipal Bodies.			118
13.4	Street Lighting in Municipal Bodies.	..	..	118
13.5	Length of Roads in Municipal Bodies.	..	..	118
13.6	Receipts and Expenditure of Municipal Bodies.			119

XIV. STATE FINANCE

14.1	Receipt and Expenditure of Revenue Account.	119
------	---	----	----	-----

XV. STATE INCOME

15.1	Net State Domestic Product by Industry of origin at current prices.	121
15.2	Net State Domestic product by Industry of origin at constant prices.	122



PART A

सत्यमेव जयते

PART A

ECONOMIC SITUATION IN TAMIL NADU.

Rainfall : Daily rainfall data are collected every month in respect of 513 rain gauge stations spread over Tamil Nadu, maintained by the Revenue Department, The Meteorological Department, the Public works Department, the Forest Department and the Southern Railway.

The rainfall for the state was scanty both in the current and previous winter periods. In January 1981, there was excess rainfall in Madras District compared to nil rain fall in January 1980. In Chengalpattu district the rainfall was normal in January 1981, while there was no rain in January 1980. In January 1981, while all the districts received at least a little rain, the districts of North Arcot, Thanjavur and Ramanathapuram received no rain in January 1980. In February 1981 while there was slight rain in Periyar, Madurai, Ramanathapuram, Tirunelveli and Kanyakumari districts had no rain in February 1980. In March 1981 the State recorded normal rainfall as against scanty rainfall in March 1980.

Water Supply : At the beginning of the quarter water supply was adequate in all districts except North Arcot, Tiruchirappalli, Dharmapuri, Pudukkottai and Ramanathapuram. By the close of the quarter it was adequate in Trichy, Thanjavur, Coimbatore, Salem and Periyar districts and in other districts, water-supply was in dequate. All the tanks in North Arcot District had dried up.

Water Level : As there was no significant rain during the quarter, the water level in most of the reservoirs decreased with the release of water for agriculture. The water level in the reservoirs in Madurai and Manniyakumari districts alone rose up a little due to rain, in March '81.

Agriculture : The total geographical area of Tamil Nadu according to village papers was 13.0 Million hectares in 1978-79. Out of which, the net area sown accounted for 6.3 million hectares, the area cultivable but not cultivated formed 2.4 million hectares and the uncultivable land was 4.3 million hectares. Out of the 6.3 million hectares of nett area sown 2.8 million hectares of about 45.0 per cent was irrigated. The area sown more than once was 1.4 million hectares of which 0.9 million hectares or about 66.02 per cent was irrigated.

Index Numbers of Agricultural Economy : The provisional indices (for 1979-1980) of area under crops, cropping intensity, yield, productivity per net hectares and the Index of Agricultural production have increased by 3.4 points, 3.2 points, 3.0 points, 7.8 points and 8.1 points respectively when compared with the previous year 1978-1979. There is no change in the index of cropping pattern.

Coconut and Arecanut : According to the provisional estimates of coconut and Arecanut survey the estimated area under Coconut in Tamil Nadu for 1979-80 was 1,14,860 hectares and its total production was 1192.20 million nuts. When compared with the previous year, the estimated area and production of coconut showed an increase of 4.89 per cent and 6.13 per cent respectively.

The estimated area under arecanut was 4280 hectares with the total production of 4292 tonnes of cured arecanuts registering an increase of 2.88 per cent and 2.82 per cent respectively over the previous year.

Minor Crops : According to the final estimates, the area under onions, potato chillies and Tapioca in Tamil Nadu during 1979-80 was 21728, 10750, 97369 and 57603 hectares respectively. While the production of these crops was 236493, 80960, 61388 and 1579810 tonnes.

Crop Prospects : Water supply was inadequate in all the districts except certain parts of Thanjavur, Salem and Periyar district. All the tanks except a few in the State were dried up.

Ploughing and sowing activities were over in all the districts except South Arcot, Tiruchirappalli and Pudukkottai districts. Sowing was not done in many parts of the Pudukkottai district for want of water. Generally in all the districts, there was no crop in the rainfed or tankfed areas.

Transplantation was over in all the districts except North Arcot, South Arcot, Thanjavur and Ramanathapuram districts. Transplantation of paddy was in progress in certain pockets of Chidambaram taluks of South Arcot District. Except in some pockets of C.M.P. (Cauvery Mettur Projects) area of Pudukkottai district, transplantation was suspended due to inadequacy of water. In most of the East Ramanathapuram district transplantation of seedlings was affected for want of water. In Thanjavur District groundnut cultivators in Orathanad and Pattukkottai taluks was undertaken due to special wetting in Grand Anicut canal.

The condition of the standing crops was fair in some districts except Chengalpattu, North Arcot, Tiruchirappalli, Pudukkottai, Madurai, Ramanathapuram, Tirunelveli, Salem, Dharmapuri and Kanniyakumari districts. The standing crops dried and withered for want of water in Chengalpattu, North Arcot, Pudukkottai, Ramanathapuram and Dharmapuri districts. In Tiruchirappalli district all the dry crops in dry lands withered. Paddy crop raised in most part of the East Ramanathapuram district and provision of West Ramanathapuram district was withering for want of rain. Eradication of 'Bunchy Top' disease to Banana plantation in Kodaikanal taluk of Madurai district was undertaken by the Agricultural department.

The out-turn of paddy crop harvested was reported to be fair in South Arcot, Thanjavur, Coimbatore, Periyar and Tiruchirappalli districts. It was normal in North Arcot and below normal in Ramanathapuram and Dharmapuri districts. The out-turn of sugarcane harvested was reported to be fair in Coimbatore, Periyar, Salem, North Arcot and South Arcot Districts. The groundnut harvested was also fair in South Arcot and Salem districts.

INDUSTRIES;

The Industrial Production under the Registered sector in Tamil Nadu increased by 2.2 per cent during the quarter ended December 1980 as the average general Index increased from 128.2 in the quarter ended September 1980 to 193.1 in the quarter ended December 1980. The slight increase in the General Index was mainly due to better performance of Manufacturing Sector which recorded an increase of 3.6 per cent.

Considerable increases in production were noticed in respect of Sugar (Refined), Tea, (Processed) Tyres (all Types), Tubes (all Types), Superior Kerosene, Ammonia, Urea and Transformers.

However, significant decreases in production were also noticed in respect of Refined oil, pesticides, and synthetic gemstones.

HANDLOOM :

The production of handloom cloth in Tamil Nadu during the quarter ended December 80 was estimated at 169,840,000 metres as against 168,126,000 metres during the previous quarter registering a increase of 1.02 per cent.

Considering the rate of increase during the quarter under review and the previous quarter it is presumed that the industry is well set in motion during the year.

JOINT STOCK COMPANIES :

During the quarter ended March '81, 8 public and 130 private companies were newly registered as against 6 public and 108 private companies during the previous quarter.

The total authorised capital of newly registered public and private companies during the quarter ended March '81 was Rs. 1651-65 lakhs as against Rs. 846.50 lakhs during the previous quarter.

During the quarter under review as well as during the previous quarter 4 companies went in to liquidation.

Electricity :—During the quarter ended March 1981 the generation of Electricity was 1950 million units as against 2026 million units during the previous quarter.

The total consumption of electricity decreased from 2282 million units during the quarter ended September 1980 to 2120 Million units during the quarter ended December 1980.

Transport ;—During the quarter ended December 1980 the total number of newly registered Motor Vehicles in Tamil Nadu was 10,462 as against 10,511 during the previous quarters.

Index number of wholesale prices in Tamil Nadu (1970—71=100);—During the quarter ended 31st March 1981 the Index number of wholesale prices in Tamil Nadu advanced by 5.76 per cent to 253.22 from 239.42 in the previous quarter.

Consumer price index number (Base ; 1960—100)—During the quarter ended March 1981 the Consumer Price Index Number advanced in Madras City, Cuddalore, Coimbatore, Nagarcoil and Coonoor, while it declined in Tiruchirapalli and Madurai as compared with the index for December 1980.

Rural price index numbers (1970—71=100)—During the quarter ended 31st March 1981 the Rural Price Index Number in Tamil Nadu moved up by 5.87 per cent to 350.64 as against 236.74 in the previous quarter.

Consumer price index for Urban non-manual Employees (Base ; 1960=100)—During the quarter ended March 1981 the Consumer Price Index Number for Urban Non-manual employees advanced in all centres viz., Madras City, Madurai and Tiruchirapalli.

Index numbers of parity (1954-55=100) During the quarter under review the Index of Prices received by the farmer moved up by 10.72 percent to 568 from 513 in the previous quarter and Index of prices paid by the farmer also increased by 1.64 percent to 745 from 733 in the previous quarter. The Index of parity moved to 76 from 70 in the last quarter registering an increase of 8.57 per cent.

Trade .—The total value of foreign trade through the ports in Tamil Nadu during the quarter ended 30th September 1980 was of the order of Rs. 403.4 crores of which exports amounted for Rs. 146.4 Crores and imports Rs. 257.0 crores. As compared to the corresponding Quarter of the previous year exports fell by 26 percent and the imports showed a decrease of 12.9 per cent.

Employment .—The total number of employment seekers on the Live-Register of Employment Exchanges in Tamil Nadu as at the end of Quarter ended 31st March 1981 increased by 6.36 percent when compared with the previous quarter. The number of persons registered in the Employment Exchanges during the quarter under review however decreased by 16.60 percent, compared with the previous quarter. The placements made through the Employment Exchanges in the State during the quarter ended 31st March 1981 registered an increase by 21.19 per cent when compared with the previous quarter.

Local bodies .—As on 31st March 1979 there were 2 Corporations, 4 Special grade, 10 Selection grade, 27 first grade 34 Second grade, 24 Third Grade Municipalities and Township committees in the State.



PART B

THE SIZE AND PATTERN OF WOMEN EMPLOYMENT IN TAMIL NADU

CHAPTER I.

POPULATION AND WOMEN WORKING FORCE

1. **Population :** 1.1. According to the 1971 census, the total population of Tamil Nadu was 41.20 millions and the women population was 20.37 million which constitute 49.45 per cent. This was slightly less compared to the previous census periods 1951 and 1961 when the percentages of women population were 50.19 and 49.80 respectively.

2. There was a fractional decrease in the growth of women population from 50.19 percent in 1951 to 49.80 percent in 1961 and to 49.45 percent in 1971. Similar trend is noticed in the rural and urban components of women population to total population.

Table below gives the distribution of population by sex and area during the three census period 1951-71 in Tamil Nadu.

DISTRIBUTION OF POPULATION BY SEX AND AREA (PERCENTAGE).

Census year.	Rural		Urban		Total	
	Men.	Women.	Men.	Women.	Men.	Women.
1951	49.64	50.35	50.35	49.65	49.81	50.19
1961	49.93	50.07	50.93	49.07	50.20	49.80
1971	50.24	49.76	51.25	48.75	50.55	49.45

Source : Census of India.

1.2 The sex composition of State's population during the census periods 1951-1971 shows that men had out-numbered the women marginally.

1.3 The growth rate of women population during the periods 1951-1971 was lower compared to men. While the population growth in rural has more than doubled in 1971 over 1951, the population growth in urban, though at a higher pace, was earlier as will be seen from the table below which give the percentage variation in population growth by sex and area.

Percentage variation in population over the previous reference years.

Census year.	Rural		Urban		Total.	
	Men.	Women.	Men.	Women.	Men.	Women.
1951	8.00	7.00	42.10	41.38	14.90	14.41
1961	9.02	7.75	24.00	21.16	12.71	10.98
1971	17.08	15.61	39.52	37.73	23.16	21.43

Source : Census of India.

WOMEN WORKING FORCE

1.4 The proportion of women working force to the total working force in Tamil Nadu increased to 34.18% in 1961 from 21.84% in 1951. Though the definition of the term 'working force' adopted for 1971 census was not strictly comparable to those adopted for the earlier census of 1961 and 1951, the size of women working force in 1971, showed a steep fall compared to 1961. The table below gives details of number and percentage to women working force.

SIZE OF THE WOMEN WORKING FORCE

	1916	21.84
1951	5248	34.18
1961	3075	20.85
1971		

Source : Census of India.

CHAPTER -II

PATTERN OF WOMEN EMPLOYMENT.

2.1 The table below shows industry-wise distribution of women employment for the Census periods 1951, 1961 and 1971. It will be seen that agriculture accounted for highest percentage of women employment in the census periods. Besides, there had been a progressive rise in women employment in agriculture over the census periods, the percentages of women employment in agriculture being 65.71 per cent in 1951, 68.81 percent in 1961 and 74.61 per cent in 1971. Next to agriculture, the 1st item namely 'other services' accounted for largest proportion of working force with 13.99 per cent, 14.65 per cent and 8.22 percent in the census periods 1951, 1961 and 1971 respectively. Manufacturing occupied the third place in employment with 11.24 per cent in 1951, 11.89 per cent in 1961 and 10.50 per cent in 1971.

ACTIVITY PATTERN OF WOMEN DURING CENSUS PERIODS (percentage).

Number and Industry Division.	Pattern of Employment		
	1951.	1961.	1971.
1. Cultivators	26.95	42.45	19.23
2. Agricultural labourers	38.76	26.36	55.38
3. Livestock, Forestry, Fishing, Hunting, Plantations, Orchards and allied activities.	2.34	2.12	3.53
4. Mining and Quarrying	0.03	0.10	0.02
5. Manufacturing, processing servicing and Repairs			
(a) Household Industries	7.57	10.02	5.98
(b) Other than Household industries	3.67	1.87	4.52
6. Construction	1.12	0.5	0.09
7. Trade and Commerce	5.53	1.86	2.97
8. Transport, Storage and Communication	0.04	0.01	0.06
9. Other Services	13.99	14.65	8.22
Total ..	100.00	100.00	100.00

The employment market Information provided by the Director of Employment and Training, though confined to organised sector, is an important source for studying sector-wise employment. The data on proportion of women employment in the total organised sector in Tamil Nadu are given in the table below;

Most part of the ten years period 1970—79, the percentage of women employment to the total working force was around 15 and it rose to 16.00 in 1978 and fell to 15.68 in 1979. A similar trend is noticed in the public sector and the organised Private sector. The percentage of the women employed in Private sector is however higher than in Public sector over the period of ten years. With in the Public sector, women employment in corporate sector was more and least in Central Sector.

PROPORTION OF WOMEN EMPLOYMENT IN THE TOTAL ORGANISED SECTOR (percentage).

Year.				Central.	State.	Corporate.	Total public Sector.	Organised. Private Sector.	Total.
1970	..	..	..	0.42	1.92	3.79	6.13	8.48	14.61
1971	..	..	..	0.43	2.02	3.89	6.34	8.39	14.73
1972	..	..	..	0.39	1.93	3.82	6.14	8.08	14.22
1973	..	..	..	0.50	2.30	4.35	7.15	8.92	16.07
1974	..	..	..	0.49	2.27	4.07	6.85	7.98	14.81
1975	..	..	..	0.51	2.32	4.00	6.83	8.10	14.93
1976	..	..	..	0.57	2.37	4.13	7.07	7.41	14.48
1977	..	..	..	0.62	2.41	4.53	7.56	7.79	15.35
1978	..	..	..	0.66	2.42	4.77	7.85	8.15	16.00
1979	..	..	..	06.6	2.30	4.69	7.65	8.03	15.68

Source: Director of Employment and Training, Madras.

2.3 The trends of women employment in the organised sector for the period of ten years 1970-79 in industry divisions are illustrated in the table below. The bulk of women employment is in the non-productive sectors, more particularly in Economic and Business Services which accounted for 53.59 percent in 1979. The level of employment in the non-productive and productive sectors has been more or less steady over the ten years period with the two sectors accounting for about 60 per cent and 40 per cent respectively. The proportion of women employment has increased significantly in two non-productive sectors Transport, Storage and Communication and Economic and Business Services, from 1.90 per cent and 49.39 percent in 1970 to 2.67 and 53.59 percent in 1979. One notable feature of the trend of women employment is that the proportion has fallen over the years from 19.25 per cent in 1970 to 14.93 per cent in 1977 in Agriculture, Animal Husbandry and Fisheries etc.

TRENDS OF WOMEN EMPLOYMENT IN ORGANISED SECTOR PERCENTAGE TO THE
TOTAL WORKING FORCE.

Code Industry/Division	Employment distribution as on				
	1970	1971	1972	1973	1974
0. Agriculture, Animal Husbandary Fisheries etc. ..	19.25	18.19	17.30	15.88	15.54
1. Mining and Quarryings ..	1.14	1.16	1.23	1.91	2.01
2. & 3. Manufacturing ..	23.80	23.45	23.30	22.42	22.20
4. & 5. Electricity, Gas water and construction.	2.91	3.31	2.99	3.85	4.34
6. Trade and Commerce. ..	1.61	1.72	1.81	1.93	1.01
7. Transport, Storage and Communication. ..	1.90	1.82	1.78	2.00	2.10
8. & 9. Economic and Business Services. ..	49.39	50.35	51.59	52.01	52.80
	100.00	100.00	100.00	100.00	100.00

Code Industry/Division	Employment distribution as on				
	1975	1976	1977	1978	1979
0. Agriculture, Animal Husbandary Fisheries etc. ..	15.30	12.35	15.84	14.54	14.93
1. Mining and Quarryings ..	1.76	1.78	1.64	1.96	1.40
2. & 3. Manufacturing ..	21.86	21.81	19.87	22.87	23.43
4. & 5. Electricity, Gas water and construction.	5.65	3.09	2.64	2.58	2.74
6. Trade and Commerce ..	1.04	1.54	1.08	0.99	1.24
7. Transport, Storage and Communication. ..	2.24	2.58	2.67	2.66	2.67
8. & 9. Economic and Business Services. ..	52.15	56.85	56.26	54.40	53.59
	100.00	100.00	100.00	100.00	100.00

Source : Director of Employment and Training, Madras.

2.4 The activity and sectoral changes in women employment in organised sector, both for Public and Private Sector for the period 1970-79 in industry divisions are shown in the table below. The percentage of women working force in all the industries in the Public Sector had gone up from the year 1970 to 1979. In the private sector, employment of women had registered a fall in Agriculture Animal Husbandary etc. Mining and Quarrying Electricity, Gas Water and Construction and Trade and Commerce. However, the overall employment in both the Public and Private Sector increased from 14.61 per cent in 1970 to 15.68 per cent in 1979.

**ACTIVITY AND SECTORAL CHANGES IN WOMEN EMPLOYMENT IN
ORGANISED SECTOR (PERCENTAGE.)**

Code	Industries/Division	Public		Private		Total	
		1970	1979	1970	1979	1970	1979
0.	Agriculture, Animal Husbandary Forest, Fisheries etc. ..	0.14	0.24	6.38	6.19	2.81	2.34
1.	Mining and Quarrying ..	0.06	0.17	0.31	0.28	0.17	0.21
2. and 3.	Manufacturing ..	0.20	0.33	7.81	9.79	3.48	3.68
4. and 5.	Electricity, Gas water and construction ..	0.37	0.52	0.49	0.27	0.42	0.43
6.	Trade and Commerce ..	0.11	0.16	0.41	0.26	0.74	0.19
7.	Transport, Storage and Communication	0.47	0.64	..	0.3	0.42	0.42
8. and 9.	Economic and Busi- ness Services	9.40	9.76	4.32	5.91	7.21	8.41
	Total	10.75	11.82	19.72	22.73	14.61	15.68

Total number of women workers. (92622) (139140) (128213) (146191) (220835) (28533)

Source : Director of Employment and Training, Madras.

2.5 The total number of women employees in public sector as on 30th September 1974 for which latest figures are available from the EMI reports was 101,644 or 12.3 per cent of the total number of employees. Percentage of women employment in the following three occupational classifications namely (1) Administrative, Executive managerial workers (2) Architects, Engineers, Surveyors and (3) Mining and Quarrying workers was more than this average. Women employment was highest with 28.5 per cent in the occupation, i.e., Administrative, Executive and Managerial workers and it was least in "Craftsmen, production Process workers" with 0.3 per cent.

OCCUPATION DISTRIBUTION OF WOMEN EMPLOYEES IN PUBLIC SECTOR AS ON 30th SEPTEMBER 1974.

<i>Code.</i>	<i>Occupation.</i>	<i>Total employment number.</i>	<i>Women employment number.</i>	<i>Percent of the women total.</i>
0.	Architects, Engineers, Surveyors	67,984	14,891	21.9
1.	Administrative, Executive, Managerial workers. ..	164,976	46,986	28.5
2.	Clerical and related workers	13,896	248	1.8
3.	Sales workers	267,659	21,521	8.0
4.	Farmers, Fishermen, Hunters, leggers and related workers.	865	62	7.3
5.	Mining and Quarrying workers.	99,646	13,960	14.0
6.	Workers in transport and Communication	14,112	1,006	7.1
7. and 8.	Craftsmen, Production Process workers and labourers Nec.	70,005	238	0.3
9.	Service, sports and recreation workers.	1,28,853	2,731	2.1
	Total	827,996	101,644	12.3

Source : Director of Employment and Training, Madras.

2.6 Banking of occupations in Public Sector according to their proportion to the total employment as on 30th September 1974 is given in the table. The total number of women employees was 101,644 i.e. 12.3 percent of the total working force. The percentage was a little higher at 13.46, of occupations in which women were not employed are not taken into account. 41,514 or 40.85 per cent of the total women employees were employed as teachers in primary school, middle school, high school and higher secondary school. Clerical and related workers accounted for 21.17 percent. The table below gives occupation wise details of women employment.

BANKING OF OCCUPATION IN PUBLIC SECTOR ACCORDING, TO THEIR PROPORTION IN THE TOTAL EMPLOYMENT AS ON 30th SEPTEMBER 1974.

<i>Occupation Division Group.</i>	<i>Women workers as on September 30 1974.</i>	<i>Percentage to total women workers.</i>	<i>Total number of employees in the Public Sector.</i>	<i>Percentage of the Women workers to the total workers in the Group Col. 2 as percentage of col. 4.</i>
(1)	(2)	(3)	(4)	(5)
0-1 Professional Technical and Related workers.				
1. Teachers, Middle School	19,666	19.35	69,954	28.11
2. Teachers, Primary	18,373	18.08	46,303	39.68
3. Midwives and Health visitors	5,936	5.84	5,936	100.00
4. Nursing, Sanitary Other Medical, and Health Technicians N.E.C.	4,102	4.04	17,533	23.40
5. Teachers, High School Higher Secondary	3,475	3.42	15,940	21.80
6. Nurses	3,063	3.01	3,519	87.04
7. Teachers, Craft	1,611	1.59	4,889	33.00
8. Teachers, College and University	1,220	1.20	5,713	21.35
9. Labour, Social welfare and Political workers	1,088	1.07	6,231	17.46
10. Physicians and Surgeons ¹ Allopathic	704	0.69	2,832	24.86
11. Accounts and Auditors	628	0.62	8,875	7.08
12. Athletics, Sportsmen and related ² workers	424	0.42	2,377	17.84
13. Druggists	336	0.33	4,954	6.78
14. Teachers N.E.C.	308	0.30	1,632	18.87
15. Pharmacists	277	0.27	2,180	12.71
16. Life Science Technicians	66	0.06	1,047	6.30
17. Chemists (Excluding Pharmaceutical)	63	0.06	743	8.40
18. Librarians, Architects and curators	60	0.06	217	27.65
19. Statistical Investigators and related workers	44	0.04	850	5.18
20. Vaccinators, Inoculators	40	0.04	799	5.01
21. Pharmaceutical Assistants	33	0.03	207	15.94
22. Physicians, Surgeons, Ayurvedic	27	0.03	309	8.74
23. Physicians Surgeons	25	0.02	106	23.58
24. Composers, Musicians and Singers	22	0.02	104	21.15
25. Civil Engineers	21	0.02	4,524	0.46
26. Physical Science Technicians	19	0.02	505	3.76
27. Chemical Engineering Technicians	18	0.02	165	10.91
28. Engineering Technicians, N.E.C.	18	0.02	861	2.09
29. Professional Workers N.E.C.	17	0.02	625	2.72
30. Architects, Engineers and Surveyors N.E.C.	16	0.02	1,320	1.21
31. X-Ray Technicians	13	0.02	273	4.76

2.6 Contd.

(1)	(2)	(3)	(4)	(5)
32. Meteorologists	12	0.01	493	2.43
33. Teachers, Pre-Primary	12	0.01	18	66.67
34. Electrical Electronic Engineers	11	0.01	2,932	0.38
35. Biologists, Zoologists, Botanists and related Scientists	10	0.01	182	5.49
36. Scientific Medical and Technical Persons Other	10	0.01	87	11.49
37. Civil Engineers, Overseas and Technicians	10	0.01	3,506	0.29
38. Electrical, Electronic, Engineering Overseas and Technicians	9	0.01	897	1.00
39. Agronomists and Agricultural Scientists	8	0.01	2,255	0.35
40. Mechanical Engineers	7	0.01	3,017	0.23
41. Bacteriologists, Pharmacologists and Related Scientists	7	0.01	120	5.83
42. Veterinarians	7	0.01	914	0.77
43. Dietitians and Nutritionists	7	0.01	8	87.50
44. Personnel and Occupational Specialists	7	0.01	183	3.83
45. Composers Performing Arts	7	0.01	57	12.28
46. Jurists (including petition writers) N.E.C.	6	0.01	98	6.12
47. Physiotherapists Technicians	5	..	38	13.16
48. Survey Technicians	4	..	134	0.30
49. Poets, Authors, Journalists and related workers N.E.C.	4	..	116	3.45
50. Public Health Physicians	3	..	79	3.80
51. Statisticians	2	..	107	1.87
52. Philologists, Translators and interpreters	2	..	31	6.45
53. Historians, Archaeologists and Political Scientists and related workers	2	..	12	16.67
54. Psychologists	2	..	7	28.57
55. Chemical Engineers	1	..	326	0.31
56. Dental Surgeons	1	..	10	10.00
57. Dental Assistants	1	..	2	50.00
58. Optometrists and Occupational Therapists	1	..	20	5.00
59. Judges and Magistrates	1	..	341	0.29
60. Social Scientists and related workers N.E.C.	1	..	22	4.55
61. Economic Investigators and related workers	1	..	15	6.67
62. Editors and Journalists	1	..	37	2.70
63. Commercial Artists Interior Decorators and Designers	1	..	94	1.06
64. Stage and Film Directors producers (performing Arts)	1	..	27	3.70
Total Division 0-1	61,877	60.88	2,28,911	36.315

*Serial number and
Occupation Division
Group.*

	<i>Women workers as on 30th September 1979.</i>	<i>Percentage to Total women workers,</i>	<i>Total number of employees in organ- ize sector.</i>	<i>Percent of the total women workers in the division or group.</i>
(1)	(2)	(3)	(4)	(5)
2. Administrative, Executive and Mana- gerial Workers.				
1. Administrative and Executive officials State Government	89	0.09	4,926	1.81
2. Directors, Managers Bank	84	0.08	30.79	2.73
3. Administrative and Executive official union Government	34	0.34	1,672	2.03
4. Administrative and Executive officials, Quasi-Government.	18	0.02	1,488	0.12
5. Directors Managers Insurances ..	8	0.01	870	0.92
6. Administrative and Executive officials local bodies	7	0.01	1,039	0.67
7. Administrative and Executive Officials Government and Local Bodies NCE	5	.	74	6.76
8. Working proprietors Directors and Managers, Retail Trade	2	.	125	1.60
9. Working proprietors, Directors and Managers wholesale Trade	1	.	99	1.01
Total Division 2 ..	248	0.24	13,372	

Division : 3 Clerical and Related workers.

1. Clerks General	11262	11.08	71,065	15.65
2. Typists	2224	2.18	7,045	31.57
3. Ministerial and Office Assistants	1848	1.82	23,692	7.80
4. Telephone Operators	1558	1.53	3,735	41.75
5. Office Attendants (Peons Daftries etc.)	1352	1.33	63,697	2.12
6. Stenographers and Steno Typists ..	883	0.87	3,386	26.08
7. Book keepers and Accounts Clerks ..	801	0.79	8,739	9.17
8. Postmasters, Telegraph Masters and other Supervisors.	289	0.28	4,389	6.58
9. Other Supervisors (Inspectors)	266	0.26	13,430	1.98
10. Clerical Supervisors (Office) Superinten- dent Head clerks Section head ..	249	0.25	7,280	3.42
11. Telegraph and Signallers	142	0.14	1,612	8.81
12. Clerical and Related workers (including proof Readers and copy Holders) n.e.c.	108	0.11	3,758	2.87
13. Store keepers and related workers ..	105	0.10	3,686	2.85
14. Cashers	88	0.09	6,650	1.32
15. Library clerks	84	0.08	1,097	7.66
16. Postman	61	0.06	4,936	1.24
17. Receptionists	38	0.04	126	30.16
18. Village Officials	37	0.04	20,673	0.18

(1)	(2)	(3)	(4)	(5)
19. Book-Keeping and calculating machine operators	36	0.04	453	7.95
20. Card and Tape punching machine operators	17	0.02	50	34.00
21. Mail Distributors and related workers nec.	15	0.02	1,343	1.12
22. Book-keepers, Cashiers and related workers nec.	12	0.01	336	3.57
23. Computing Machine operators n.e.c. ..	8	0.01	27	29.63
24. Transport and communication supervisors nec.	7	0.01	1,271	0.55
25. Automatic Data Processing machine operators	7	0.01	43	16.28
26. Radio Communications and wireless operators	5	.	270	1.85
27. Guards and Brakesmen Railway ..	4	.	462	0.87
28. Time-Keepers	4	.	1,062	0.38
29. Messengers and Despatch Riders ..	4	.	1,780	.
30. Telephone and Telegraph Operators nec.	3	..	217	1.38
31. Teletypists, (Teleprinter operators) ..	2	.	8	25.00
32. Ticket Collectors, Checkers and Examiners	1	.	1,015	0.10
33. Conductors, Transport	1	.	8,332	0.01
Total Division 3 ..	21,521	27.17	2,67,659	

Division 4 Sales Workers

1. Salesmen, shop Assistants and Demonstrators	46	0.05	351	13.11
2. Salesmen, Shop Assistants and Related workers n.e.c.	15	0.01	54	27.78
3. Sales Supervisors	1	.	239	0.42
4. Purchasing Agents	1	..	89	1.12
Total Division 4 ..	63	0.06	733	

The details of women employment in industry divisions as on 30th September '79 (Nil) according to major occupations are also presented in the table below. It will be seen that the total number of women employees was 1,40,988 or 12% of the total of all employees as on 30th September '79. 56,644 or 40.19% of the women employees were employed in educational services. Health and medical services occupied the second place with 24,020 women or 17.05%. Details of categories of women employment by industrial group-wise remarked in the order of level of employment in each group are given in the table below.

**Serial number and
occupation Division
Group.**

(1)	<i>Women workers as on 30th September 1979.</i>	<i>percentage to Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Percent of the total women workers in the division or group.</i>
Division 5: Service workers				
1. Sweepers cleaners and related workers..	8691	8.55	31,680	27.43
2. Ayahs, Nurse, Maids	4630	4.56	4,630	100.00
3. Cooks and Cool-bearers	153	0.15	2,099	7.29
4. Watchmen, Chowkidars and gate keepers	108	0.11	16,896	0.64
5. House keepers Matrons and stewards ..	88	0.09	192	45.83
6. Watermen	72	0.07	459	15.69
7. Maids and related house keeping service workers nec	65	0.06	193	33.68
8. Protection force Home guards and security workers	45	0.04	1,266	3.55
9. Laundrymen, Washermen	37	0.04	328	11.28
10. Butlars, Bearers waiters	34	0.03	560	6.07
11. Customs Examiners, Patrollers and related workers.. .. .	10	0.01	1,713	0.58
12. Fire Fighters	6	0.01	2,978	0.20
13. Building caretakers sweepers. Cleaners and related workers n.e.c.	6	0.01	13	46.15
14. Cooks, Waiters, Bar tenders and related workers (Domestic and Institutional) nec.	4	..	27	14.81
15. Hair Dressers, Barbers, Beauticians and related workers.	4	..	106	3.77
16. Protective Service workers nec	4	..	95	4.21
17. Policemen and Detectives	2	..	36,177	0.01
18. Bartender and related workers	1	..	42	2.38
Total Division 5	13,960	13.73	99,454	..

Division 6 Farmers, Fishermen Hunters, Loggers and related works—

1. Plantation Labourers	726	0.72	1,395	55.63
2. Agricultural Labourers	131	0.13	598	21.91
3. Insect Rearing	101	0.10	555	18.20
4. Gardeners and Nursery workers	43	0.04	1,621	2.65
5. Farm workers, Animal Birds and Insect Rearing	2	..	1,272	0.16
6. Farm Managers and Supervisors crop production	2	..	4,041	0.05
7. Farm managers Livestock Farm	1	..	77	1.30
Division Total 6	1,006	0.99	9,469	..

**Serial number and
occupation Division
Group.**

(1)	<i>Women workers as on 30th September 1979.</i>	<i>Percentage to Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Per cent of the total women workers in the division or group.</i>
(2)	(3)	(4)	(5)	
Division 7: Production and related workers—				
1. Spinners and Winders	38	0.04	356	10.67
2. Chemical processors and related worker nee.	29	0.03	1,699	1.75
3. Miners	14	0.01	77	18.18
4. Tailors and Dressmakers	13	0.01	1,989	0.65
5. Supervisors, and foremen spinning, wea- ving, and knitting, dyeing and related processes	6	0.01	203	2.96
6. Sewers and Embroiders up hoistery works	6	0.01	31	19.35
7. Tailoring, Dressmaking sewing	2	..	159	1.26
8. Chemical processing and related activi- ties	1	..	310	0.32
9. Pattern makers and cutters	1	..	23	4.35
Division 7 Total	110	0.11	4,867	..
Division 8 Production and related workers—				
1. Electricians Electrical fitters and related workers	54	0.05	9,046	0.60
2. Mechanics, repairman	24	0.03	2,564	0.94
3. Electrical and Electronic equipment assemblers	15	0.02	405	3.20
4. Machinery fitters and Machine Assem- blers	10	0.02	793	1.26
5. Supervisors, Foremen Electric and Elect- ronic Fitting, Assembling and Repairing	5	0.01	3,869	0.13
6. Glass formers, Cutters, Grinders and finishers	4	..	57	7.02
7. Sound equipment operators and Cinema projectionists	4	..	134	2.99
8. Telephone and Telegraphic Installers and Repairmen	4	..	351	1.14
9. Machinery Tool operators	4	..	4,726	0.08
10. Machinery fitters machine Assemblers ..	2	..	8,730	0.02
11. Watch, Clock and precision instruments makers	1	..	311	0.32
12. Tool Makers and metal pattern makers..	1	..	252	0.40
Division 8 Total	128	0.13	31,238	..

*Serial number and
Industry division
Group.*

	<i>Women per cent workers as on 30th September 1979.</i>	<i>Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Percent of the total women workers in the division or group.</i>
(1)	(2)	(3)	(4)	(5)
Division 9 Production and Related Workers—				
1. Labourers N. E. C.	2509	2.48	87,985	2.85
2. Packers Labellers and Related workers ..	61	0.06	895	6.82
3. Book Binders and Related workers ..	51	0.05	1,456	3.50
4. Compositors	30	0.03	865	3.47
5. Dockers and Freight Handlers .. .	19	0.03	135	14.07
6. Stationery Engine and Related Equipment operations	17	0.02	1,354	1.26
7. Production and Related N.E.C. workers	12	0.01	42	28.57
8. Earth Moving and related machinery operators	6	0.01	1,622	0.37
9. Type setters-photo type setters	54	..	865	3.47
10. Transport equipment operators and Drivers	4	—	60	6.67
11. Oilers and Greasers (Including cleaners motor vehicles)	8	..	4,937	0.06
12. Drivers, Animal and Animal Drawn vehicle	2	..	482	0.41
13. Photographic Darkroom workers ..	2	..	242	..
14. Printing and Related workers ..	1	..	311	0.32
15. Checkers, Testers Sorters, weighters and counters	1	..	546	0.18
Division 9 Total	2,731	2.60	101,797	..
(Grand Total All Divisions)	101,644	100.00	755,197	13.46

*Serial number and
Industry division
Group.*

(1)	<i>Women per cent workers as on 30th September 1979.</i>	<i>Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Percent of the total women workers in the division or group.</i>
(2)	(3)	(4)	(5)	
0. Agriculture, Hunting, Forestry, and Fishing.				
1. Tea	1,716	1.23	3,901	43.99
2. Rearing of silk worms production of cocoons and raw silks	297	0.21	991	29.97
3. Rubber	196	0.14	652	30.06
4. Production of Ganjaopium etc.	176	0.12	461	38.18
5. Cattle and Goat Breeding, Rearing, Ranching and production of milk.	155	0.11	1,272	12.19
6. General Crops	143	0.10	4,579	3.12
7. Planting, Replanting and Conservation of Forests.	88	0.06	4,676	1.88
8. Agricultural Service (N.E.C.)	25	0.02	1,340	1.87
9. Soil Conservation	19	0.01	500	3.80
10. Sug cane	15	0.01	588	2.55
11. Raw Cotton	10	0.01	277	3.61
12. Inland water fishing	10	0.01	479	2.09
13. Ocean, Sea and Coastal fishing	9	0.01	23	39.13
14. Agricultural Production N.E.C.	9	0.01	415	2.17
15. Production of oilseeds	6	..	342	1.75
16. Post Destroying, Spraying pruning, etc.	5	..	493	1.01
17. Scientific Services like soil testing	4	..	57	7.02
18. Rearing of Pigs and other animals	4	..	125	3.20
19. Production of Fruits, Coconut	3	..	70	4.29
20. Rearing of Livestock production of Live-stock products NEC	3	..	106	2.83
21. Hunting, Trapping etc. for commercial purposes	3	..	22	13.64
22. Logging, Felling and Cutting trees, preparation of Rough round log or Reven logs	3	..	158	1.90
23. Collection of Pearls, Conches, Shells, sponge, etc.	3	..	64	4.69
24. Fish and allied activities N.E.C.	3	..	114	2.63
25. Grading Agricultural and Livestock products	2	..	40	5.00
26. Rearing of Bees, Production of Honey and Wax.	1	..	9	11.11
27. Operation of Irrigation system	1	..	85	1.18
28. Horticultural and Nursery services	1	..	84	1.19
Total ..	2,910	2.05	21,923	

Banking of women employment in organised Sector. According to their proportion in the total women employment (Industry wise—NIC.)

<i>Serial number and Industry division Group.</i>	<i>Women per cent workers as on 30th September 1979.</i>	<i>Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Percent of the total women workers in the division or group.</i>
(1)	(2)	(3)	(4)	(5)
1. Mining and Quarrying				
1. Stone quarrying, clay and sand pits ..	1,255	0.89	5,071	24.75
2. Lignite	808	0.57	17,185	4.70
3. Iron Ore	4	.	264	1.52
4. Ilmenite and Rutile	4	.	806	0.50
Total Division 1. ..	2,071	1.46	23,326	
2 and 3 Manufacturing				
1. Cotton, Spinning, Weaving, Shrinking, sanfari ng mercerising and finishing of cotton Textiles.	1,411	1.00	18,586	7.59
2. Prime movers, boilers and steam Plants etc.	300	0.21	12,231	2.45
3. Printing and Publishing of periodicals, Books etc.	276	0.20	5,168	5.34
4. Explosives, Ammunition and Fire works.	226	0.16	7,550	2.99
5. Motor vehicles and Parts	203	0.14	8,277	2.45
6. Tea Processing	161	0.11	762	21.13
7. Chemical Products NEC	131	0.09	2,406	5.44
8. Weaving and Finishing of Cotton Textiles in handlooms, other than Khadi	109	0.08	1,631	6.65
9. Miscellaneous Products NEC	106	0.08	1,973	5.37
10. Knitting Mills	98	0.07	3,371	2.91
11. Drugs and Medicines	79	0.06	948	8.33
12. Watches and Clocks	79	0.06	97	81.44
13. Matches	58	0.04	111	52.25
14. Structural clay Products	54	0.04	457	11.82
15. Medical, Surgical and Scientific equipment	54	0.04	1,324	3.78
16. Edible oils and Fats	47	0.04	184	25.54
17. Structural Metal Products	46	0.04	1,865	2.47
18. Pulp, paper, paper board etc. including newsprint.	43	0.03	147	29.25
19. Grain Mill products	38	0.03	505	7.52
20. Railway wagons, coaches and parts .	36	0.03	3,708	0.97
21. All Type of Textiles Garments etc. ..	34	0.02	79	43.04
22. Chinaware and Porcelainaware .	32	0.02	553	5.79
23. Glass and Glass Products	31	0.02	216	14.35
24. Manufacture and Refining of Sugar .	30	0.02	7,399	0.41
25. Textiles NEC	29	0.02	107	27.10

**Serial number and
Industry division
Group.**

Serial number and Industry division Group.	Women per cent workers as on 30th September 1979.	Total women workers.	Total number of employees in organ- ise sector.	Percent of the total women workers in the division or group.
(1)	(2)	(3)	(4)	(5)
26. Rubber Products NEC	29	0.02	71	40.85
27. Fertilizers and Pesticides	23	0.02	1,283	1.79
28. Metal products except machinery	23	0.02	1,565	1.47
29. Ship Building and Repairing	21	0.01	6,267	0.34
30. Wools clearing and pressing	18	0.01	55	32.73
31. Raincoats, Hats etc.	18	0.01	27	66.87
32. Printing, Publishing and allied activities NEC	18	0.01	918	1.6
33. Food Products NEC	17	0.01	36	47.22
34. Printing, Dyeing, and Bleaching of Cotton Textiles.	16	0.01	321	4.98
35. Wooden Industrial Goods	15	0.01	23	65.22
36. Footwear except vulcanised of mould rubber or plastic foot wear.	13	0.01	143	9.09
37. Manufacturing of Dairy products	12	0.01	432	2.78
38. Cotton, Ginning, Cleaning and Baling	12	0.01	66	18.18
39. Weaving carpets, Rugs and other Textile Products	11	0.01	40	27.50
40. Petroleum Refineries	10	0.01	505	1.98
41. Radio and Television Transmitting and Receiving set etc.	9	0.01	123	7.32
42. Agricultural Machinery and equipment and parts	8	..	402	1.99
43. Production of indigenous Sugar, Boora, Gur etc. from sugarcane and palm Juice.	7	..	818	0.86
44. Weaving and finishing of cotton textiles on power looms.	7	..	391	1.79
45. Production of Common salt	6	..	220	2.73
46. Spinning weaving, silk Textiles	6	..	326	1.84
47. Wooden Furniture and Fixtures	6	..	885	0.68
48. Furnitures and Fixtures primarily of metal	5	..	1,079	0.46
49. Fabricated Metal Products such as metal cans, tins, plate etc. and all other metal products NEC	5	..	800	0.63
50. Manufacture of Bakery products	4	..	137	2.92
51. Printing and Publishing of News paper	4	..	98	4.08
52. Foundries for casting and forging iron and steel.	4	..	805	0.50
53. Hand Tools and General Hardware	4	..	299	1.34
54. Plastic products NEC	3	..	41	7.32
55. Metal utensils, cutlery and kitchenware	3	..	37	8.11
56. Paints, Varnishes and lacquers	2	..	186	1.08

Ranking of women employment in organised sector. According to their proportion in the total women employment (Industry wise NIC)

<i>Serial number and Industry division Group.</i>	<i>Women per cent workers as on 30th September 1979.</i>	<i>Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Per cent of the total women workers in the division or group.</i>
(1)	(2)	(3)	(4)	(5)
57 Enamelling, Japanning, Lacquary, plating etc.	2	..	561	0.36
58 Electrical Industrial Machinery	2	..	102	1.96
59 Insulated wires and Cables	2	..	99	2.02
60 Tanning curing, Finishing Embossing of leather.	1	..	492	0.20
61 Industrial machinery for food and Textile Industries.	1	..	119	0.84
62 Machine Tools	1	..	169	0.59
63 Electronic computers, Central instru- ments and other equipments.	1	..	21	4.76
64 Electrical Machinery Apparatus, appliances and supplies and parts (NEC.)	1	..	50	2.00
65 Motor cycles Scooters and parts	1	..	4	25.00
66 Bicycles, cycle rickshaw and parts ..	1	..	303	0.33
67 Miscellaneous non metallic mineral products such as Abrasives etc. and other non metallic products NEC.	1	..	12	8.33
Total Divisions 2 and 3 ..	4,060	2.8	99,986	46.39
4. Electricity, Gas and Water.				
1 Distribution of Electric energy	1,926	1.37	69,126	2.79
2 Generation and transmission of electric energy.	639	0.45	12,292	5.20
3 Water supply	57	0.04	857	6.65
Total Divisional 4 ..	2,622	1.86	82,275	14.64
5. Construction.				
1 Road, Railway Bridge, etc.	937	0.66	15,608	6.00
2 Telephone, Telegraph lines	872	0.62	6,001	14.53
3 Construction and Maintenance of buildings.	764	0.54	17,051	4.48
4 Water ways and water reservoirs ..	590	0.43	13,309	4.43
5 Industrial Plants including Thermal Plants.	94	0.07	2,584	3.64
6 Hydro-Electric Projects	55	0.04	1,451	3.79
7 Electric Installation	13	0.01	866	1.50
8 Construction (NEC).. .. .	2	..	98	2.04
Total Divisions 5 ..	3,317	2.37	56,968	40.41

**Serial number and
Industry division
Group.**

(1)	Women per cent workers as on 30th September 1979.	Total women workers.	Total number of employees in organ- ise sector.	Percent of the total women workers in the division or group.
(2)	(3)	(4)	(5)	
6. Wholesale and Retail Trade and Restaurants and Hotels.				
1 Grain, Grocery Stores	782	0.56	12,768	6.12
2 Wholesale in Cetrul, pulses, etc	625	0.44	4,774	13.09
3 Dealers in Non-Readymade Garments ..	114	0.08	1,892	6.03
4 Sweet meat and Dairy products	86	0.06	1,779	4.83
5 Foodstuff other than cereal, pulses ..	75	0.06	2,773	2.70
6 Petrol, Mobile oil and Allied Products ..	71	0.06	1,931	3.68
7 Textile Products	47	0.03	343	13.70
8 Footwear Shops	33	0.02	127	25.98
9 Beverages other than intoxicants ..	16	0.01	136	11.76
10 Others (NEC)	14	0.01	177	7.91
11 Hotels, Rooming Houses, Camps, etc. ..	11	0.01	269	4.09
12 Meat, Fish, Poultry, etc.	8	..	23	34.78
13 Medical Shops	5	..	12	41.67
14 Furniture and Fixtures	5	..	59	8.47
15 Fancy Stores	4	..	41	9.76
16 Rubber Products	2	..	6	33.33
17 Restaurants, Cafes, etc.	2	..	583	0.34
18 Agricultural and industrial machinery ..	1	..	54	1.85
19 Goods (NEC)	1	..	127	0.79
20 Fuel and household utilities and durables NEC	1	..	1	100.00
21 Transport equipments	1	..	11	9.09
Total Divisional 6 ..	1,904	1.34	27,886	

7. Transport, Storage and Communication.

1 Postal, Telegraphic, Wireless and Signal communication.	3,305	2.35	43,612	7.58
2 Telephone Communication	1,822	1.29	7,324	24.88
3 Railway Transports	1,617	1.16	1,00,992	1.60
4 Passenger, Transport, Bytram, Buses, etc.	385	0.27	43,234	0.89
5 Air transport carriers	245	0.17	2,859	8.64
6 Warehousing	181	0.13	4,851	3.73
7 Communication (NEC)	68	0.05	480	14.17
8 Storage Warehousing NEC	23	0.02	1,332	1.73
9 Supporting services to Air Transport ..	3	..	92	3.26
10 Ocean and Coastal water Transport ..	2	..	308	0.65
11 Service incidental to Transport	1	..	13	10.65
Total Division 7 ..	7,652	5.44	2,05,097	

<i>Serial number and Industry division Group.</i>	<i>Women per cent workers as on 30th September 1979.</i>	<i>Total women workers.</i>	<i>Total number of employees in organ- isic sector.</i>	<i>Percent of the total women workers in the division or group.</i>
(1)	(2)	(3)	(4)	(5)
8. Financing, Insurance, Real Estate and Business Services.				
1 Banking	4,413	3.13	52,233	8.45
2 Insurance other than Life	398	0.28	4,546	8.75
3 Credit institutions other than Banks ..	226	0.16	9,684	2.33
4 Provident Services	219	0.16	1,133	19.33
5 Legal services Rendered by Advocates, solicitors pleaders, Mukhtars, etc.	205	0.14	1,476	13.89
6 Insurance carriers life	191	0.14	4,545	4.20
7 Accounting, Auditing and Book Keeping Services.	66	0.05	970	6.80
8 Brokers, Agents Purchase and sale.	60	0.04	746	8.04
9 Advertising and Publicity services ..	8	..	69	11.59
10 Purchase, Sales Selling and operating of real estate.	7	..	133	5.26
11 Engineering Architectural and Technical Services.	7	..	6,537	0.11
12 Other Financial Institutions such as Pawn Brokers, Money lenders, Chit funds etc.	2	..	28	7.14
Total Divisions 8 ..	5,812	4.10	82,100	

9. Community, Social and Business Services.

1 Educational Services—non-Technical ..	56,644	40.19	1,83,704	30.83
2 Health and Medical Services	24,020	17.05	67,217	35.74
3 Local Body Department, etc.	10,132	7.20	51,264	19.76
4 Public Services on State Government including police services.	9,774	6.94	1,68,037	5.82
5 Public Services including Defence	2,688	1.92	23,524	11.43
6 Educational services-Technical	1,965	1.39	17,224	11.41
7 Quasi—Government	1,903	1.35	25,523	7.46
8 Welfare services Rendered by Organisa- tions operating on a non profit basis for promotion of Welfare of Community.	1,092	0.77	5,584	19.56
9 Research and Scientific Services	728	0.52	13,304	5.47
10 Community Services	714	0.52	7,270	9.82

*Serial number and
Industry division
Group.*

	<i>Women per cent workers as on 30th September 1979.</i>	<i>Total women workers.</i>	<i>Total number of employees in organ- ise sector.</i>	<i>Percent of the total women workers in the division or group.</i>
(1)	(2)	(3)	(4)	(5)
9. Community, Social and Business Services—cont.				
11 Sanitary Services	557	0.40	1,768	31.50
12 Veterinary services	127	0.09	7,111	1.79
13 Libraries, Museum etc.	125	0.09	2,266	5.52
14 Radio-Television, Broadcasting	79	0.06	608	12.99
15 Repair of Motor vehicles Motor cycles ..	42	0.03	2,795	1.50
16 Business, Professional, labour organisation	29	0.02	555	5.23
17 Repair of Enterprises NEC	7	..	340	2.06
18 Theatrical producers, entertainment services.	6	..	82	7.32
19 Laundries, cleaning, dyeing, plants ..	4	..	8	50.00
20 Motion picture distribution projection ..	2	..	48	4.17
21 Amusement, Recreational Services NEC.	2	..	67	2.99
Total Division 9 ..	1,10,640	78.54	5,78,368	
All divisions Grand Total ..	1,40,988	100.00	11,77,860	

सत्यमेव जयते

CHAPTER III

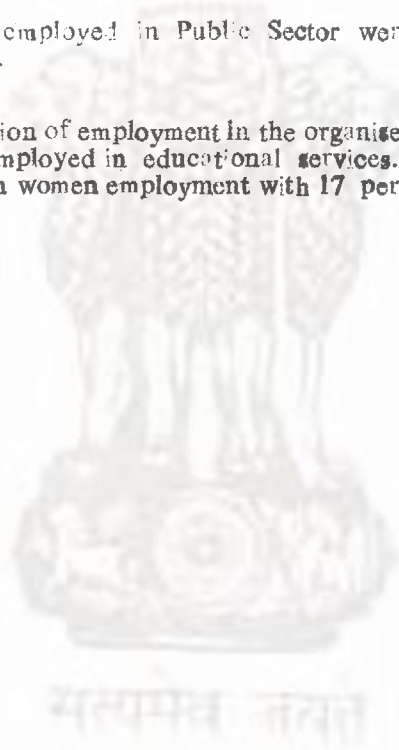
Conclusion.—3.1 The distribution of women population in the Urban and rural areas was more or less even, in the three census periods. The rate of growth over the census periods was fractionally less compared to the rate of growth of men population. This is a welcome trend to arrest the population growth in general.

3.2 Proportion of women employment was highest in Agriculture followed by other services and Manufacturing. According to EMI data, women employment in Private sector was higher than in Public sector. Within the Public sector, it was least in central sector. More than half of the women working force in public sector was claimed by 'Economic and Business Services'.

3.3 Occupational distribution of employment in the Public Sector in 1974 shows that women employees accounted for 12.3 percent. Women employment by occupation was highest in 'Administrative' Executive and Managerial' and it was least in Craftsman, Production Process'.

3.4 Most of the women employed in Public Sector were school teachers followed by clerical and related workers.

3.5 Industrial distribution of employment in the organised sectors in 1979 reveals that 40 percent of women were employed in educational services. Health and medical services, occupied the second place in women employment with 17 per cent.



PART—C

सत्यमेव जयते

PART—C

SELECT ECONOMIC INDICATORS

I GROWTH OF POPULATION

	1941	1951	1961	1971	1981@
Population in lakhs ..	263	301	337	412	483
Decadal Variation (per-cent)	+11.91	+14.66	+11.85	+22.30	+17.23
Index of Population (1901=100)	136	156	175	214	250.9

@ Census of India-1981, Part I Tamil Nadu, Provisional Population Tot ls.

2. INDEX NUMBERS OF AGRICULTURAL ECONOMY

	1974-75	1975-76	1976-77	1977-78	1978-79	1979-80 (Provisional)
Index of area under crops ..	93.3	101.3	99.0	108.0	107.2	110.6
Index of Agricultural Production.	103.9	129.5	123.2	142.6	147.7	155.8
Index of Yield	104.4	126.7	121.5	127.0	130.6	133.6
Index of net area sown ..	92.3	99.6	99.9	104.7	103.9	103.9
Index of cropping intensity ..	101.1	101.7	99.1	103.2	103.2	106.4
Index of productivity per net hectare.	112.6	130.0	123.3	136.0	142.2	150.0
Index of cropping pattern ..	106.3	100.7	102.3	103.9	105.5	105.5

3. INDEX NUMBERS OF WAGES PAID TO CERTAIN CATEGORIES OF AGRICULTURAL LABOURERS.

(Base Year 1960=100)

Year/month.								Field labourers		
								Men.	Women.	Non-adults
1976	..	..	..	..	..	..	..	384	381	406
1977	..	..	..	..	..	..	..	395	398	439
1978	..	..	..	..	..	..	..	417	415	455
1979	..	..	..	..	..	..	..	459	473	519
1980—April	..	..	..	..	..	..	..	485	515	554
May	..	..	..	..	..	..	..	436	489	..
June	..	..	..	..	..	..	..	456	506	..
(Base year 1970=100)										
July	..	..	..	..	..	..	..	231	250	..
August	..	..	..	..	..	..	..	236	253	..
September	..	..	..	..	..	..	..	238	252	..
October	..	..	..	..	..	..	..	247	266	..
November	..	..	..	..	..	..	..	262	281	..
December	..	..	..	..	..	..	..	247	271	..
1980	..	..	..	..	..	..	..	241	258	..
								Tending cattle		
								Men.	Women.	Non-adults
1976	..	..	..	..	..	..	..	336	336	359
1977	..	..	..	..	..	..	..	333	316	361
1978	..	..	..	..	..	..	..	327	322	366
1979	..	..	..	..	..	..	..	321	296	422
1980—April	..	..	..	..	..	..	..	393	..	451
May	..	..	..	..	..	..	..	309	..	..
June	..	..	..	..	..	..	..	318	..	..
(Base year 1970=100)										
July	..	..	..	..	..	..	..	227	..	..
August	..	..	..	..	..	..	..	227	..	..
September	..	..	..	..	..	..	..	220	..	..
October	..	..	..	..	..	..	..	220	..	..
November	..	..	..	..	..	..	..	259	..	..
December	..	..	..	..	..	..	..	272	..	..
1980	..	..	..	..	..	..	..	235	227	..

Other agricultural labourers

<i>Men.</i>	<i>Women.</i>	<i>Non-adults.</i>
-------------	---------------	--------------------

1976	..	..	..	..	..	..	..	386	346	394
1977	..	..	..	..	..	..	..	398	353	420
1978	..	..	..	..	..	..	..	421	358	435
1979	..	..	..	..	..	..	..	470	420	496
1980—April	..	..	..	..	..	..	..	535	507	506
May	..	..	..	..	..	..	..	526	494	..
June	..	..	..	..	..	..	..	549	508	..

(Basic year 1970—100)

July	..	..	..	..	..	296	299	..
August	..	..	..	..	..	303	305	..
September	..	..	..	..	..	304	320	..
October	..	..	..	..	..	313	336	..
November	..	..	..	..	..	327	363	..
December	..	..	..	..	..	315	335	..
1980	..	..	..	..	..	297	309	..

Year/month.

Ploughmen

*Transplanters Reapers and
weeder harvesters.*

					<i>Men.</i>	<i>Men.</i>	<i>Women.</i>	<i>Men.</i>	<i>Women.</i>
1981—January	..	..	..	..	218	291	268	279	279
February	..	..	..	..	227	274	268	289	272
March	..	..	..	..	213	289	272	267	276

Tending cattle

*Other agricultural
labourers.*

					<i>Men.</i>	<i>Women.</i>	<i>Men.</i>	<i>Women.</i>
1981—January	..	..	..	..	243	248	328	351
February	..	..	..	..	282	207	333	311
March	..	..	..	..	291	238	336	340

4. INDEX NUMBERS OF INDUSTRIAL PRODUCTION.

(Base year : 1970=100)

General Index	@ '71	@ '72	@ '73	@ '74	@ '75	'76	'77	'78	'79	80*
	119.7	121.7	117.0	128.1	198.0	137.6	143.1	164.1	172.7	182.5

@ Estimated.
Provisional.

5. INDEX NUMBERS OF HANDLOOM PRODUCTION

(Base : 1970-71 = 100)

Variety of Cloth (1)	1971-72 (2)	1972-73 (3)	1973-74 (4)	1974-75 (5)
Cotton	110.27	109.33	106.58	103.21
Silk	92.02	105.61	90.90	97.79
Artsilk	106.62	104.16	102.64	99.68
Mix ure	104.76	108.72	100.94	103.58
All Varieties	109.69	103.99	105.99	102.99

1975-76 (6)	1976-77 (7)	1977-78 (8)	1978-79 (9)	1979-80 (10)
106.10	107.27	101.65	107.82	114.38
109.38	108.35	103.62	108.25	110.16
116.16	137.03	109.27	114.67	132.12
113.34	137.98	131.59	124.71	126.48
107.01	110.35	103.48	108.99	115.96

6. INDEX NUMBERS OF WHOLESALE PRICES.

(1970-71 = 100)

Group.	1975	1976	1977	1978	1979	1980
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Primary Articles	183.05	171.24	187.73	190.91	203.47	225.74
(i) Food	204.53	177.88	191.10	198.97	210.03	229.60
(ii) Non-Food	147.03	160.09	182.66	178.25	193.56	219.34
(iii) Minerals	176.38	176.38	176.38	176.13	181.92	227.31
2. Fuel Power and Light ..	172.94	185.78	186.05	185.95	216.63	262.44
3. Manufactured Products ..	156.49	159.11	167.55	170.66	193.12	221.81
All commodities Index ..	171.02	166.37	178.87	181.83	199.34	225.21

7. CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS

(Base—1960=100)

Centre.	1976	1977	1978	1979	1980
(1)	(2)	(3)	(4)	(5)	(6)
Madras City	283	306	316	341	377
Cuddalore	289	320	329	352	400
Tiruchirappalli	313	335	358	375	417
Madurai	296	328	335	361	403
Coimbatore	300	317	323	353	405
Nagarcoil	330	344	363	401	472
Coonoor	295	312	321	348	395

8. ALL INDIA AVERAGE CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS.

(Base—1960=100)

	1976	1977	1978	1979	1980
(1)	(2)	(3)	(4)	(5)	(6)
All India Average Consumer price Index number.	296	321	329	350	390

9. CONSUMER PRICE INDEX NUMBERS FOR URBAN NON-MANUAL EMPLOYEES

(Base—1960=100)

Centre.	1976	1977	1978	1979	1980
(1)	(2)	(3)	(4)	(5)	(6)
Madras City	292	307	319	341	378
Madurai	285	291	299	321	362
Tiruchirappalli	282	306	314	331	365

10. INDEX NUMBERS OF RURAL PRICES

(1970=100)

<i>Serial number and month.</i>	<i>Food</i>	<i>Fuel and Lighting.</i>	<i>Clothing.</i>	<i>Miscellaneous.</i>	<i>Composite Index.</i>
(1)	(2)	(3)	(4)	(5)	(6)
1. April 1980	205.72	261.64	207.16	214.75	210.22
2. May 1980	206.04	258.33	208.90	217.72	210.59
3. June 1980	210.29	260.46	213.31	224.82	214.94
4. July 1980	223.55	270.58	215.93	224.88	226.35
5. August 1980	219.53	271.92	217.76	226.33	223.48
6. September 1980	220.89	277.16	220.36	222.72	224.72
7. October 1980	224.29	280.64	221.16	229.29	228.25
8. November 1980	229.43	285.20	223.05	230.74	232.87
9. December 1980	234.09	289.10	220.58	230.93	236.74
10. January 1981	235.74	290.18	219.69	234.02	238.33
11. February 1981	247.56	291.26	222.49	237.39	248.27
12. March 1981	249.83	291.88	224.25	242.50	250.64

11. INDEX NUMBERS OF PARITY.

(1954=100)

<i>Serial number and Item.</i>	1975	1976	1977	1978	1979	1980
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Index number of prices received by the farmer.	501	378	411	363	392	468
2. Index number of prices paid by the farmer.	553	507	539	547	607	685
3. Index of parity	91	75	76	66	65	68

12. INDEX NUMBERS OF TOTAL VALUE OF FOREIGN IMPORTS AND EXPORTS.

(Base 1970-71 = 100)

<i>Year</i>	1975-76	1976-77	1977-78	1978-79	1979-80
Imports	163	200	180	333	439
Exports	270	313	322	390	443

13. INDEX NUMBERS OF EMPLOYMENT (Base 1960 = 100)

<i>Item</i>	1977	1978	1979	1980
Persons registered during the year	197.1	206.2	209.6	244.1
Number of persons placed on Employment during the year	73.1	91.3	150.1	144.9
Number of persons on the live register at the end of the year ..	719.0	744.5	769.2	864.2

**14. INDEX NUMBER OF NETT STATE DOMESTIC PRODUCT OF TAMIL NADU BY INDUSTRIES
OF ORIGIN AT CURRENT PRICES.**

(Base 1970-71=100)

<i>Serial number.</i>	<i>Industry.</i>	1970-71	1971-72	1972-73	1973-74	1974-75
1.	Primary sector	100.00	116.95	117.41	151.61	132.96
2.	Secondary sector	100.00	108.91	119.50	134.82	176.86
3.	Transport, Communi- cation and Trade	100.00	115.09	122.85	153.94	165.37
4.	Finance and Real Estate..	100.00	115.62	130.14	145.69	165.53
5.	Community and Personal Services	100.00	110.33	117.41	129.72	145.53
6.	Net State Domestic Pro- duct	100.00	113.81	119.71	145.35	153.66
7.	Per capita Income ..	100.00	111.66	115.78	138.59	144.25

<i>Serial number.</i>	<i>Industry.</i>	1975-76	1976-77	1977-78	1978-79	1979-80
			RE	PR	PRLY	QE
1.	Primary sector	135.19	155.41	169.14	175.50	241.85
2.	Secondary sector	185.08	214.06	233.59	261.01	304.97
3.	Transport, Communi- cation and Trade	165.47	196.19	222.76	236.56	280.69
4.	Finance and Real Estate..	196.67	217.09	237.89	260.87	275.01
5.	Community and Personal Services	155.01	160.05	173.19	189.06	204.35
6.	Nett State Domestic Pro- duct	159.29	182.46	200.53	215.61	264.25
7.	Per Capita Income ..	147.51	166.72	180.27	191.42	231.56

RE—Revised Estimate, PR—Partially Revised Estimate, PRLY—Preliminary Estimate
QE—Quick Estimate

**15. INDEX NUMBER OF NETT STATE DOMESTIC PRODUCT OF TAMIL NADU BY INDUSTRY OF
ORIGIN AT CONSTANT (1970-71) PRICES**

(Base 1970-71 = 100)

<i>Serial number.</i>	<i>Industry.</i>	1970-71	1971-72	1972-73	1973-74	1974-75
1.	Primary Sector	100.00	107.30	103.97	114.02	82.21
2.	Secondary sector	100.00	102.73	105.02	100.75	103.40
3.	Transport, Communication and Trade	100.00	105.22	107.71	114.21	98.58
4.	Finance and Real Estate..	100.00	109.85	116.04	116.08	115.67
5.	Community and Personal Services	100.00	100.95	102.34	110.01	114.99
6.	Nett State Domestic Product	100.00	105.26	105.49	110.34	95.77
7.	Per Capita Income ..	100.00	103.26	102.06	105.32	89.88

<i>Serial number.</i>	<i>Industry.</i>	1975-76	1976-77	1977-78	1978-79	1979-80
			RE	PR	PRLY	QE
1.	Primary Sector	109.49	104.49	120.06	121.95	130.88
2.	Secondary sector	115.20	122.36	127.89	141.51	147.86
3.	Transport, Communication and Trade	113.37	116.18	128.36	134.38	141.15
4.	Finance and Real Estate..	126.53	137.04	147.82	162.75	166.93
5.	Community and Personal Services.	120.15	121.99	128.90	123.00	130.28
6.	Nett State Domestic product	113.65	114.82	126.05	131.81	139.23
7.	Per Capita Income	105.15	104.80	113.38	116.98	121.96

E—Revised Estimate, PR—Partially Revised Estimate, PRLY—Preliminary Estimate,
QE—Quick Estimate



PRAT—D

सत्यमेव जयते

PART D

I. CLIMATE AND RAINFALL

Rainfall.—During the Winter period (January and February 1981), Tamil Nadu had scanty rainfall i.e. 80 per cent less than the normal. Madras district alone recorded normal rainfall while in all other districts the rainfall was either deficient or scanty.

In January 1981, the rainfall was scanty over Tamil Nadu. Madras and Chengalpattu districts had excess and normal rainfall respectively and the rest of the districts had either deficient or scanty rainfall.

In February 1981 also, the State had scanty rainfall and there was slight rain only in Periyar, Madurai, Ramanathapuram, Tirunelveli and Kanniyakumari Districts.

In March, 1981, the rainfall was normal over the State. There was excess rainfall in North Arcot, Salem, Dharmapuri, Coimbatore, Periyar and The Nilgiris Districts and the districts of Tiruchy, Madurai, Tirunelveli and Kanniyakumari had normal rainfall.

Climate.—A trough of low pressure lay over Sri Lanka and adjoining Comorn areas on the 1st and 2nd January, 1981. On 3rd, it moved westwards into Maldives area. Isolated rain occurred in South Tamil Nadu on the first three days of January. Another trough of low pressure laid over South West Bay and adjoining West Central Bay on 13th to 16th. Isolated rainfall occurred over Tamil Nadu on 10th, 11th, 14th and 15th and scattered rainfall on 16th and 17th of January. Mainly dry air prevailed over Tamil Nadu, upto 4th February 1981. A trough of low pressure laid over South West Bay on 5th and moved to South West Bay Off Sri Lanka Tamil Nadu Coast on 6th. It further moved away westwards on 7th. An upper air cyclonic circulation laid over Comorn area at 0.9 km. above sea level with a trough extending Northwards to South Interior Karnataka. Isolated Rainfall occurred over Tamil Nadu on 6th and 7th. Generally dry air prevailed over Tamil Nadu during 11th to 23rd February. An upper air trough in Easterlies at 0.9 km. was moving westwards across extreme south Peninsula on 24th and 25th causing isolated light rain in South Coastal Tamil Nadu. Weather was dry over Tamil Nadu from 26th February to 8th March, 1981. A north-south trough laid at 0.9 km. a.s.l. with its axis along 78 degree, East over Tamil Nadu on 9th and 10th March. On 11th the trough became well marked with an embedded cyclonic circulation over extreme South Tamil Nadu. Isolated rain occurred over Interior and South Coastal Tamil Nadu on 11th to 13th March due to the formation of upper air cyclonic circulation over extreme South Peninsula. Another low pressure area laid over Rayalaseema and adjoining Telengana and interior Karnataka on 23rd to 25th. A trough from this system was extending southwards to south Tamil Nadu at 0.9 km. a.s.l. In association with this, rain or thunder showers were scattered on 24th and isolated on 23rd and 25th over Tamil Nadu.

1.1 RAINFALL BY DISTRICTS

District.	Winter Period.					
	January 81.		February 81.		Total.	
	Normal.	Actual.	Normal.	Actual.	Normal.	Actual.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Madras	45.5	61.9	12.5	Nil.	58.0	61.9
2 Chengalpattu	42.0	33.8	11.8	Nil.	53.8	33.8
3 South Arcot	53.7	30.5*	14.6	Nil.*	68.3	30.5*
4 North Arcot	30.0	3.8	8.9	Nil.	38.9	3.8
5 Salem	15.6	1.6	9.2	Nil.	24.8	1.6
6 Dharmapuri	13.5	3.4	8.5	Nil.	22.0	3.4
7 Periyar	15.0	2.3	10.6	0.2	25.6	2.5
8 Coimbatore	19.2	1.0	11.9	Nil.	31.1	1.0
9 The Nilgiris	44.9	5.5	24.8	Nil.	64.7	5.5
10 Thanjavur	65.7	24.4*	19.1	Nil.	84.8	24.4*
11 Tiruchirapalli	28.1	5.4*	12.4	Nil.	40.5	5.4*
12 Pudukkottai	38.7	6.5	16.1	Nil.	54.8	6.5
13 Madurai	32.1	2.7*	16.6	0.4	48.7	3.1*
14 Ramanathapuram	45.2	5.8	20.5	2.4	65.7	8.3
15 Tirunelveli	50.2	1.8	30.2	8.5	80.4	10.3
16 Kanniyakumari	25.5	3.1	21.5	3.1	47.0	6.2.
State	35.1	9.0*	15.3	1.1*	50.4	10.1*

District.	(1)	Percentage Departure from the Normal.	Hot weather period.	
			March '81	
			Normal	Actual
	(1)	(8)	(9)	(10)
1 Madras	+5.7	13.2	2.7
2 Chengalpattu	-37.2	13.3	10.6
3 South Arcot	-55.3*	15.3	6.7*
4 North Arcot	-90.2	11.5	20.4*
5 Salem	-93.5	11.8	17.9
6 Dharmapuri	-84.5	11.9	37.4
7 Periyar	-90.2	17.2	30.0
8 Coimbatore	-96.8	18.5	34.5*
9 The Nilgiris	-92.1	31.4	46.1
10 Thanjavur	-71.2*	20.5	3.9*
11 Tiruchirapalli	-86.7*	14.1	14.4*
12 Pudukkottai	-88.1	16.8	0.8*
13 Madurai	-93.6*	23.9	24.6
14 Ramanathapuram	-87.5	26.1	11.0*
15 Tirunelveli	-87.2	41.3	12.6
16 Kanniyakumari	-86.8	54.0	47.3*
State	-80.0*	19.9	18.6*

Water supply.—At the beginning of the quarter water supply was adequate in all districts except North Arcot, Tiruchirapalli, Dharmapuri, Pudukkottai and Ramanathapuram. By the close of the quarter it was adequate in Tiruchirapalli, Thanjavur, Coimbatore, Salem and Periyar districts and in other districts, water-supply was inadequate. All the tanks in North Arcot District had dried up it is reported.

Water level.—As there was no significant rain during the quarter, the water level in most of the reservoirs did not rise. As the water was released for agriculture, it went down. The water level in the reservoirs in Madurai and Kanniyakumari districts alone rose up a little due to rain in March, 1981.

1.2. WATER LEVELS IN SELECT RESERVOIRS

<i>S.No. and Name of the Reservoir.</i>	<i>Full depth in metres.</i>	<i>Level as on 03-01-1981</i>	<i>Level as on 31-01-1981.</i>
(1)	(2)	(3)	(4)
1. Red Hills	5.85	5.41	5.03
2. Sholavaram	5.44	3.77	3.40
3. Poondi	10.05	7.15	6.99
4. Sathanur	35.27	24.22	21.22
5. Wellington	8.60	4.85	3.75
6. Vaigai	21.64	15.39	6.39
7. Periyar	14.63	5.35	3.51
8. Papanasam	45.11	31.09	26.97
9. Manimuthar	35.97	25.30	25.75
10. Bhavani	32.00	27.11	25.81
11. Amaravathi	33.53	24.54	20.63
12. Stanley	36.58	22.70	13.39
13. Krishnagiri	15.85	13.08	11.70
14. Pechiparai	14.63	6.34	2.86
15. Perunchani	23.47	9.49	2.53

<i>S.No. and Name of the Reservoir.</i>	<i>Level as on 07-02-1981.</i>	<i>Level as on 28-02-1981.</i>	<i>Level as on 07-03-1981.</i>	<i>Level as on 28-03-1981.</i>
(1)	(5)	(6)	(7)	(8)
1. Red Hills	4.89	4.55	4.49	4.23
2. Sholavaram	3.60	2.73	2.42	1.61
3. Poondi	6.97	6.91	6.89	6.85
4. Sathanur	20.85	19.63	19.20	18.30
5. Wellington	3.19	1.83	..	..
6. Vaigai	4.81	4.57	5.35	6.55
7. Periyar	2.87	2.18	2.01	1.77
8. Papanasam	23.44	14.74	14.42	13.35
9. Manimuthar	25.27	22.32	21.34	16.25
10. Bhavani	25.67	24.58	23.80	21.62
11. Amaravathi	18.02	14.02	12.87	12.65
12. Stanley	14.19	13.78	12.68	12.48
13. Krishnagiri	11.31	10.03	9.57	8.41
14. Pechiparai	1.97	0.69	0.55	0.64
15. Perunchani	1.83	2.04	1.58	2.42

II. AREA AND POPULATION

AREA POPULATION, DENSITY, LITERACY, ETC.

Tamil Nadu occupies the eleventh rank among the States in India in regard to size with an area of 130,069 Sq. Km.

As regards population, Tamil Nadu ranks seventh among the states in India. According to Census 1981 the population in Tamil Nadu is 48,297,456 (provisional) of which 50.6 per cent are males and 49.4 percent females.

Literates form 45.8 per cent of the total population as against 39.5 per cent in 1971. Madras City has the highest percentage of Literacy viz., 66.29, while Dharmapuri district has the lowest percentage viz. 28.62.

According to Census 1981, the density of population in Tamil Nadu works out to 371 per sq. km. as against 317 as per 1971 census.



2.E. AREA AND POPULATION BY DISTRICTS.

(AS PER CENSUS 1971)

Sl.No. and District State.	Area.		
	Total.	Rural.	Urban.
(1)	(2)	(3)	(4)
1. Madras	128.0	..	128.0
2. Chengalpattu	7,920.0	7,219.0	641.0
3. South Arcot	10,898.0	10,659.6	238.4
4. North Arcot	12,265.0	12,026.6	238.4
5. Salem	8,643.0	8,291.9	351.1
6. Dharmapuri	9,643.0	9,575.4	67.6
7. Coimbatore	15,673.0	14,733.8	939.2
8. The Nilgiris	2,549.0	1,642.5	906.5
9. Thanjavur	8,261.8	7,943.6	318.2
10. Tiruchirappalli	11,114.3	10,769.0	345.3
11. Pudukkottai	4,649.9	4,594.5	55.4
12. Madurai	12,629.0	12,168.0	461.0
13. Ramanathapuram	12,578.0	12,176.9	401.1
14. Tirunelveli	11,433.0	10,673.7	759.3
15. Kanniyakumari	1,684.0	1,641.2	42.8
STATE	1,30,069.0	1,24,175.5	5,893.5

Sl.No. and District State	Population.		
	Total.	Rural.	Urban.
(1)	(5)	(6)	(7)
1. Madras	2,469,449	..	2,469,449
2. Chengalpattu	2,907,599	1,869,909	1,010,690
3. South Arcot	3,617,723	3,104,726	512,997
4. North Arcot	3,755,797	2,972,702	783,095
5. Salem	2,992,616	2,197,234	795,382
6. Dharmapuri	1,677,775	1,533,834	143,941
7. Coimbatore	4,373,178	2,816,936	1,556,242
8. The Nilgiris	494,015	250,780	243,235
9. Thanjavur	3,550,063	2,778,375	771,688
10. Tiruchirappalli	3,192,134	2,433,755	758,379
11. Pudukkottai	947,351	832,372	114,979
12. Madurai	3,938,197	2,614,003	1,324,194
13. Ramanathapuram	2,860,207	2,113,545	746,662
14. Tirunelveli	3,200,515	2,171,019	1,029,496
15. Kanniyakumari	1,222,549	1,018,144	204,405
STATE	41,199,168	28,734,334	12,464,834

2.2. GROWTH RATE, DENSITY, SEX RATIO AND LITERACY.

				(As per census 1971.)		
<i>Sl. No. and District State.</i>				<i>Decennial Growth Rate.</i>	<i>Density per Sq.Km.</i>	<i>Number of Female per 1000 males.</i>
(1)				(2)	(3)	(4)
1.	Madras	..	..	42.81	19293	904
2.	Chengalpattu	..	..	32.38	367	948
3.	South Arcot	..	..	18.69	332	969
4.	North Arcot	..	..	19.37	306	971
5.	Salem	..	..	21.07	346	963
6.	Dharmapuri	..	..	25.94	174	969
7.	Coimbatore	..	..	22.93	279	957
8.	The Nilgiris	..	..	20.70	194	944
9.	Thanjavur	..	..	17.75	430	994
10.	Tiruchirapalli	..	..	19.60	287	987
11.	Pudukkottai	..	..	26.62	204	1,011
12.	Madurai	..	..	22.63	312	986
13.	Ramanathapuram	..	..	18.11	227	1,042
14.	Tirunelveli	..	..	17.22	280	1,042
15.	Kanniyakumari	..	..	22.63	726	972
	STATE	..	..	22.30	317	978

				<i>Literacy rate.</i>		
<i>Sl. No. and District State</i>				<i>Persons</i>	<i>Males.</i>	<i>Females.</i>
(1)				(5)	(6)	(7)
1.	Madras	..	..	62.01	70.57	52.54
2.	Chengalpattu	..	..	39.73	51.76	27.03
3.	South Arcot	..	..	31.14	44.06	17.80
4.	North Arcot	..	..	34.66	47.55	21.39
5.	Salem	..	..	31.71	42.68	20.35
6.	Dharmapuri	..	..	22.32	31.66	12.67
7.	Coimbatore	..	..	38.90	51.33	25.90
8.	The Nilgiris	..	..	47.03	58.48	34.90
9.	Thanjavur	..	..	40.30	53.55	26.96
10.	Tiruchirapalli	..	..	38.79	52.40	25.02
11.	Pudukkottai	..	..	31.40	46.05	16.90
12.	Madurai	..	..	41.51	55.07	27.77
13.	Ramanathapuram	..	..	39.74	54.72	25.39
14.	Tirunelveli	..	..	44.83	57.13	33.02
15.	Kanniyakumari	..	..	58.21	64.12	52.14
	STATE	..	..	39.46	51.78	26.86

2.3 SCHEDULED CASTES AND SCHEDULED TRIBES.

(As per census 1971)

<i>Serial number</i>	<i>District/state.</i>	<i>Scheduled Castes.</i>	<i>Percentage to district population.</i>	<i>Scheduled tribes.</i>
(1)		(2)	(3)	(4)
1. Madras	259,118	10.49	928
2. Chengalpattu	763,991	26.28	27,189
3. South Arcot	937,894	25.92	14,105
4. North Arcot	725,885	19.33	70,727
5. Salem	430,317	16.05	94,383
6. Dharmapuri	227,825	13.58	30,123
7. Coimbatore	688,271	15.74	26,021
8. The Nilgiris	92,694	18.76	19,869
9. Thanjavur	808,112	22.76	922
10. Tiruchirapalli	580,211	18.17	14,731
11. Pudukkottai	151,294	15.97	278
12. Madurai	587,874	14.93	6,707
13. Ramanathapuram	459,616	16.07	1,056
14. Tirunelveli	504,956	15.78	1,614
15. Kanniyakumari	47,536	3.89	2,862
STATE	7,315,595	17.76	311,515

<i>Serial number and district/state.</i>	<i>Percentage to district population.</i>	<i>Scheduled castes and scheduled tribes.</i>	<i>Percentage to district.</i>
(5)	(6)	(7)	
1. Madras	0.04	260,047	10.53
2. Chengalpattu	0.94	791,180	27.22
3. South Arcot	0.39	951,999	26.31
4. North Arcot	1.88	796,612	21.21
5. Salem	3.15	574,700	19.20
6. Dharmapuri	1.60	257,948	15.38
7. Coimbatore	0.60	714,292	16.34
8. The Nilgiris	4.02	112,563	22.78
9. Thanjavur	0.03	809,034	22.79
10. Tiruchirapalli	0.46	594,942	18.64
11. Pudukkottai	0.03	151,572	16.00
12. Madurai	0.17	594,581	15.10
13. Ramanathapuram	0.03	460,672	16.11
14. Tirunelveli	0.05	506,570	15.83
15. Kanniyakumari	9.23	50,398	4.12
STATE	0.75	7,627,110	18.51

2.4 POPULATION BY CATEGORIES OF WORKERS.

(As per census 1971)

<i>Serial number district/state.</i>	<i>I-Cultivators.</i>	<i>II-Agriculture labourers.</i>	<i>III-Livestock, Forestry, fishing Hunting plantation Orchards and allied activities.</i>
(1)	(2)	(3)	(4)
1. Madras	1,061	649	8,923
2. Chengalpattu	238,790	330,254	19,389
3. South Arcot	523,709	464,411	18,255
4. North Arcot	510,096	416,303	17,184
5. Salem	410,554	331,347	14,540
6. Dharmapuri	349,768	160,727	6,200
7. Coimbatore	417,124	570,330	55,296
8. The Nilgiris	9,451	14,406	102,146
9. Thanjavur	316,281	518,167	23,256
10. Tiruchirappalli	502,425	330,442	11,191
11. Pudukkottai	187,427	64,441	3,199
12. Madurai	420,324	526,238	36,325
13. Ramanathapuram	37,900	275,045	25,671
14. Tirunelveli	290,757	360,858	33,821
15. Kanniyakumari	58,120	126,447	27,249
STATE	4,607,787	4,490,065	403,295
Percentage	31.26	30.46	2.74

<i>Serial number district/state.</i>	<i>IV-Mining and Quarrying.</i>	<i>V. Manufacturing, Processing servicing and repairs.</i>	
		<i>(a) In household Industry.</i>	<i>(b) Other than Household Industry.</i>
	(5)	(6)	(7)
1. Madras	223	11,171	179,486
2. Chengalpattu	2,183	50,930	112,792
3. North Arcot	4,104	54,759	92,976
4. South Arcot	14,185	24,522	43,967
5. Tiruchirappalli	3,191	39,754	97,092
6. Pudukkottai	908	6,339	12,618
7. Thanjavur	351	30,597	51,194
8. Madurai	3,805	45,406	108,319
9. Ramanathapuram	1,817	58,401	90,760
10. Tirunelveli	4,081	105,503	117,632
11. Kanniyakumari	632	18,857	30,516
12. Salem	8,982	108,393	11,900
13. Dharmapuri	2,319	8,202	12,467
14. Coimbatore	3,167	105,859	225,563
15. The Nilgiris	726	920	15,142
STATE	50,654	669,913	1,302,434
Percentage	0.34	4.54	8.83

2.4 cont.

(As per census 1971)

<i>Serial number district state.</i>	<i>VI-Construction</i>	<i>VII-Grade and commerce.</i>	<i>VIII-Transport storage and communication.</i>
	(8)	(9)	(10)
1. Madras	33,497	169,531	129,334
2. Chengalpattu	16,422	64,724	41,302
3. North Arcot	14,013	81,321	35,510
4. South Arcot	9,456	56,053	21,803
5. Tiruchirappalli	16,697	80,620	32,428
6. Pudukkottai	2,593	19,477	4,138
7. Thanjavur	13,289	96,911	23,050
8. Madurai	17,535	127,827	34,123
9. Ramanathapuram	11,930	73,307	14,498
10. Tirunelveli	51,667	97,887	28,822
11. Kanyakumari	9,829	26,602	9,376
12. Salem	19,494	68,248	33,613
13. Dharmapuri	4,798	25,273	7,225
14. Coimbatore	44,813	148,756	44,457
15. The Nilgiris	4,055	12,685	5,946
STATE ..	234,235	2,154,222	465,657
Percentage	1.59	7.83	3.16

<i>Serial number and district state.</i>	<i>IX other services.</i>	<i>Total workers.</i>	<i>Non-workers.</i>
	(11)	(12)	(13)
1. Madras	162,504	696,379	1,773,070
2. Chengalpattu	104,669	983,755	1,926,844
3. North Arcot	106,903	1,333,169	2,422,628
4. South Arcot	78,802	1,255,163	2,362,560
5. Tiruchirappalli	88,213	1,202,033	1,990,101
6. Pudukkottai	21,959	323,649	623,702
7. Thanjavur	110,000	1,813,096	2,366,967
8. Madurai	133,036	1,453,938	2,484,259
9. Ramanathapuram	91,966	1,020,345	1,839,862
10. Tirunelveli	116,488	1,171,516	2,028,999
11. Kanyakumari	42,767	350,494	872,055
12. Salem	75,078	1,182,279	1,810,337
13. Dharmapuri	32,899	610,878	1,066,897
14. Coimbatore	171,098	1,786,460	2,386,718
15. The Nilgiris	26,333	191,813	302,202
STATE ..	1,363,715	14,741,967	25,457,201
Percentage	9.25	100.00	

III. AGRICULTURE.

Land Utilisation.—The total geographical area of Tamil Nadu according to village papers was 13·0 million hectares in 1978-79. Out of which the nett area sown accounted for 6·3 million hectares, the area cultivable but not cultivated showed 2·4 Million hectares and the uncultivable land was 4·3 Million hectares. Out of the 6·3 Million hectares of the nett area sown 2·8 Million hectares or about 45·0 percent was irrigated. The area sown more than once was 1·4 Million hectares of which 0·9 Million hectares or about 66·02 percent was irrigated.

Out of 2·4 Million hectares of total area cultivable but not cultivated, 1·3 million hectares was under current fallows and the remaining was under other non-cultivated lands excluding current fallows. The extent of area under uncultivable land was 4·3 Million hectares comprising 2·0 Million hectares (46·8 percent) of forest land and 2·3 Million hectares (53·2 percent) of other un-cultivable area including land put to non-agricultural uses.

The gross cropped area was 7·7 Million hectares out of which 3·8 Million hectares or 50·29 percent was irrigated.



3.1 LAND UTILISATION 1978-79.

(in hectares)

Serial number and District/State.	Total Geographical area by village papers.	In Cultivable land.			Total.
		Forests.	Bare and unculti- vable land.	Land put to non- agricultural uses.	
(1)	(2)	(3)	(4)	(5)	(6)
1 Madras	12,800	..	..	12,800	12,800
2 Chengalpattu	7,89,938	42,533	32,166	1,83,645	2,58,144
3 South Arcot	10,89,884	50,602	1,15,618	1,19,456	2,95,136
4 North Arcot	12,30,223	3,18,887	65,887	1,32,498	5,17,272
5 Salem	8,62,006	1,67,129	69,325	61,271	2,97,725
6 Dharmapuri	9,62,913	3,26,318	79,681	50,088	4,56,087
7 Periyar	15,73,132	3,88,535	19,153	1,34,598	5,42,386
8 Coimbatore					
9 The Nilgiris	2,54,447	1,41,040	4,247	8,916	1,54,273
10 Thanjavur	8,21,247	11,288	34,935	1,47,856	1,94,079
11 Tiruchirappalli	11,12,090	59,025	37,052	1,53,171	2,49,248
12 Pudukkottai	4,66,130	23,999	9,803	1,25,619	1,59,421
13 Madurai	12,66,396	2,62,806	76,707	115,699	4,55,212
14 Ramanathapuram	12,50,304	47,568	17,496	25,3291	3,18,355
15 Tirunelveli	11,42,446	1,36,249	33,601	1,57,023	3,26,873
16 Kanniyakumari	1,67,214	54,707	4,650	21,615	31,735
State	1,30,01,170	2030,686	6,10,581	16,77,616	43,18,683

3.1—Cont.

Area cultivable but not cultivated.

<i>istrict.</i>	<i>Area cultivable but not cultivated.</i>					<i>Total.</i>
	<i>Culti- vable waste.</i>	<i>Perma- nent pastures and other grazing lands.</i>	<i>Land under mis. tree crops and groves not inclu- ded in the nett area sown.</i>	<i>Current fallow.</i>	<i>Other fallow.</i>	
	(7)	(8)	(9)	(10)	(11)	(12)
1 Madras .. ..	..	..	..	..	..	..
2 Chengalpattu	17,903	28,455	26,145	94,113	19,849	1,86,469
3 South Arcot	50,895	8,755	46,844	64,888	39,072	2,10,454
4 North Arcot	27,587	10,540	12,963	90,681	39,828	1,81,599
5 Salem	25,174	13,178	5,292	58,662	27,667	1,29,973
6 Dharmapuri	9,726	11,761	8,597	24,924	7,287	62,295
7 Periyar	6,893	9,302	12,555	2,52,752	22,627	3,04,129
8 Coimbatore						
9 The Nilgiris	13,368	7,300	2,075	11,379	7,570	41,692
10 Thanjavur	19,679	3,561	18,390	17,398	12,479	71,507
11 Tiruchirapalli	49,600	29,308	13,091	1,36,206	26,785	2,54,990
12 Pudukkottai	14,671	5,482	7,987	48,390	22,924	99,454
13 Madurai	25,922	7,622	15,278	1,47,551	29,311	2,25,684
14 Ramanathapuram	26,363	2,942	9,290	1,85,432	76,680	3,10,707
15 Tirunelveli	63,526	22,795	14,578	1,32,187	1,14,870	3,47,956
16 Kanniyakumari	589	382	334	2,818	622	4,745
State ..	3,61,896	1,61,383	1,93,423	12,67,381	4,47,571	24,31,654

3.1—cont.

<i>District.</i>	<i>Net area sown</i>			<i>Area sown more than once</i>		
	<i>Irrigated.</i>	<i>Un-Irrigated.</i>	<i>Total.</i>	<i>Irrigated.</i>	<i>Un-Irrigated.</i>	<i>Total.</i>
	(13)	(14)	(15)	(16)	(17)	(18)
1 Madras .. ..	..	..	..	..	..	.
2 Chengalpattu	259,770	85,455	345,225	126,480	21,416	147,896
3 South Arcot	353,636	230,058	583,694	9,8220	68,780	167,000
4 North Arcot	255,520	275,832	531,352	145,336	14,300	159,63
5 Salem	127,763	306,545	434,308	53,893	31,105	84,998
6 Dharmapuri	77,406	367,125	444,531	21,032	42,452	63,484
7 Periyar	} 308792	417,825	7,26617	108,162	31,108	139,270
8 Coimbatore						
9 The Nilgiris	3,683	54,799	58,482	..	2,565	2,565
10 Thanjavur	482,716	72,945	555,661	131,762	207,662	339,424
11 Tiruchirapalli	206,818	401,034	607,852	58,167	19,825	77,992
12 Pudukottai	100,049	101,206	207,255	14,042	5,673	19,715
13 Madurai	241,158	244,342	585,500	67,009	14,594	81,603
14 Ramaswami	243,049	378,193	621,242	25,271	4,045	29,316
15 Tiruvelveli	177,776	289,841	467,617	74,878	21,780	96,658
16 Kanniyakumari	29,055	52,442	81,497	21,122	2,718	23,840
State	2,873,191	33,77,642	6250,833	945,374	488,023	14,33,397

3,1—cont.

<i>District.</i>	<i>Gross Cropped Area.</i>		
	<i>Irrigated.</i>	<i>Un-Irrigated.</i>	<i>Total</i>
(1)	(19)	(20)	(21)
1 Madras .. .. .	..	..	..
2 Chengalpattu	3,86,250	1,06,871	4,93,121
3 South Arcot	4,51,856	2,98,838	7,50,694
4 North Arcot	4,00,856	2,90,132	6,90,988
5 Salem	1,81,656	3,37,650	5,19,306
6 Dharmapuri	98,438	4,09,577	5,08,015
7 Periyar	4,16,954	4,48,933	8,65,887
8 Coimbatore			
9 The Nilgiris	3,683	57,364	61,047
10 Thanjavur	6,14,478	2,80,607	8,95,085
11 Tiruchirapalli	2,64,985	4,20,859	6,85,844
12 Pudukkottai	1,20,091	1,06,879	2,26,970
13 Madurai	3,08,167	3,58,936	6,67,103
14 Ramanathapuram	2,68,320	3,82,238	6,50,558
15 Tirunelveli	2,52,654	3,11,621	5,64,275
16 Kanniyakumari	50,177	55,160	1,05,337
State	38,18,565	38,65,665	76,84,230

सत्यमेव जयते

Irrigation and its different sources.—Out of 6·3 Million hectares of nett area sown 2·9 Million hectares or 45·96 per cent was irrigated. The percentage of nett area irrigated to nett area sown was maximum at 86·9 per cent in Thanjavur district. Chengalpattu district came next in order, the percentage being 75·2 per cent followed by South Arcot with 60·6 per cent and Pudukkottai district with 51·2 per cent. The figure was less than 50 per cent in the remaining districts of the State as indicated below:—

<i>District.</i>	<i>Percentage of nett area irrigated to nett area sown.</i>							
North Arcot	48·1
Coimbatore	42·5
Madurai	41·2
Ramanathapuram	39·1
Tirunelveli	38·0
Kanniyakumari	35·7
Tiruchirappalli	34·0
Salem	29·4
Dharmapuri	17·4
The Nilgiris	6·3

The different sources of irrigation and the percentage of area irrigated by each to the total nett area irrigated are indicated below:

<i>Sources of Irrigation.</i>	<i>Percentage of area irrigated to the total nett area irrigated.</i>							
1 Wells (Tube wells and ordinary wells)	37·2
2 Government Canals	32·0
3 Tanks	29·3
4 Other sources including private canals	1·5

Wells supplementing other irrigation sources to an extent of 4·6 per cent.

Government canals and tanks.—Government canals were the principal sources of irrigation in the district of Thanjavur (96·4 per cent) Tiruchirappalli (59·3 per cent), Kanniyakumari (44·6 per cent) and Coimbatore (42·9 per cent). The Districts where tanks served as important sources are given below together with the percentage of area irrigated.

<i>District.</i>	<i>Percentage of area irrigated from tanks to the total nett area irrigated in the district.</i>							
Ramanathapuram	80·5
Pudukkottai	78·6
Chengalpattu	60·2
Kanniyakumari	54·1
Tirunelveli	46·4
North Arcot	32·3
South Arcot	28·5
Madurai	24·5

Wells and other sources.—Wells including tube wells were the chief sources of irrigation in Salem, Dharmapuri, North Arcot, Coimbatore, Madurai, Tiruchirappalli, Tirunelveli and South Arcot Districts accounting for 77.5 per cent, 62.8 per cent, 58.5 per cent, 54.9 per cent, 51.7 per cent, 40.7 per cent, 40.3 per cent and 24.9 per cent respectively.

Other sources of irrigation such as spring channels and kasams were important in the Nilgiris district and accounted for 93.0 per cent.

Wells Supplementing other irrigation sources.—Wells supplementing other irrigation sources served fairly large areas in Chengalpattu and South Arcot Districts their percentages to the total net area irrigated in the districts being 9.48 and 6.45 respectively.

Crops Irrigated:—The total extent raised with crops (Gross cropped area) was 7.7 million hectares and the net area sown was 6.3 million hectares. The difference represents the area on which more than one crop was raised. The area of crops irrigated in the State was 3.8 million hectares and this showed an increase of 0.09 million hectares as compared with that for the previous year. The area of crops irrigated was as high as 78.3 per cent in Chengalpattu district followed by Thanjavur district with 68.5 per cent. The area of crops irrigated was less than 25 per cent of the gross area sown in the following districts.

District.	Percentage of the area of crops irrigated to gross area sown.
Dharmapuri	19.4
The Nilgiris	6.0

Of the total area of crops irrigated 75.7 per cent accounted for cereals and pulses, 4.1 per cent for sugarcane, 7.4 per cent for oilseeds (Groundnut, Gingelly and Castor) 4.3 per cent for cotton and the remaining 8.5 per cent for other crops.

The area irrigated more than once was 0.9 million hectares.

3.2 AREA IRRIGATED BY SOURCES/CROPS 1978—79.

(Area in hectares.)

District.	Net area irrigated by				Total net area irrigated.
	Government canals and private canals.	Tanks.	Wells including tube wells.	Other sources.	
(1)	(2)	(3)	(4)	(5)	(6)
Chengalpattu	8,685	1,56,492	87,820	6,773	2,59,770
South Arcot	82,443	1,00,985	1,58,556	1,652	3,53,636
North Arcot	18,453	82,435	1,50,348	4,284	2,55,520
Salem	18,312	3,388	99,153	1,910	1,27,763
Dharmapuri	8,462	16,556	49,244	3,144	77,406
Coimbatore	1,31,311	4,950	1,69,790	741	3,08,792
The Nilgiris .. .. .	..	..	257	3,432	3,683
Thanjavur	4,65,365	3,798	9,515	4,038	4,82,716
Tiruchirappalli	84,798	31,573	87,368	3,079	2,06,818
Pudukkottai	10,131	83,392	12,336	190	1,06,049
Madurai	54,535	50,150	1,25,713	1,760	2,41,158
Ramanathapuram	241	1,95,755	46,654	399	2,43,049
Tirunelveli	22,080	82,643	72,026	1,027	1,77,776
Kanniyakumari	12,984	15,734	237	100	29,055
State ..	9,19,800	841,851	1,069,017	42,529	2,87,319

3.2 AREA IRRIGATED BY SOURCES/CROPS 1978-79—contd.

(Area in hectares.)

Districts.								Paddy.	Millets and other cereals.	Pulses.	Sugarcane.
(1)								(7)	(8)	(9)	(10)
Chengalpattu	..	..	..	..	..	..	..	3,23,752	17,113	111	3,125
South Arcot	..	..	..	..	..	..	..	3,14,980	30,738	1,236	22,405
North Arcot	..	..	..	..	..	..	..	2,91,464	27,620	663	51,341
Salem	..	..	..	..	..	..	..	69,992	32,863	1,043	14,704
Dharmapuri	..	..	..	..	..	..	..	53,972	13,007	72	9,786
Coimbatore	..	..	..	..	..	..	..	1,13,116	85,296	3,543	34,984
The Nilgiris	..	..	..	..	..	..	..	3,367	54	..	42
Thanjavur	..	..	..	..	..	..	..	5,78,727	2,234	76	9,118
Tiruchirapalli	..	..	..	..	..	..	..	1,63,820	29,735	537	12,042
Pudukkottai	..	..	..	..	..	..	..	1,06,049	4,511	35	850
Madurai	..	..	..	..	..	..	..	1,58,270	39,224	1,191	9,363
Ramanathapuram	..	..	..	..	..	..	..	1,83,011	19,606	705	5,315
Tirunelveli	..	..	..	..	..	..	..	1,48,750	24,603	1,821	1,311
Kanniyakumari	..	..	..	..	..	..	..	46,280	2	1	..
State								25,55,550	3,26,606	11,034	154,385

(Area in hectares.)

District.								Cotton.	Oil seeds.	Others.	Total.
(1)								(11)	(12)	(13)	(14)
Chengalpattu	..	..	..	..	..	..	..	160	33,120	8,869	3,86,250
South Arcot	..	..	..	..	..	..	..	6,418	64,899	11,180	4,51,856
North Arcot	..	..	..	..	..	..	..	1,408	37,805	11,275	4,00,856
Salem	..	..	..	..	..	..	..	15,235	15,164	32,655	1,81,656
Dharmapuri	..	..	..	..	..	..	..	3,732	8,321	9,548	98,438
Coimbatore	..	..	..	..	..	..	..	46,992	84,331	48,692	4,16,954
The Nilgiris	..	..	..	..	..	..	..	16	..	204	3,683
Thanjavur	..	..	..	..	..	..	..	1,656	14,309	8,358	6,14,478
Tiruchirapalli	..	..	..	..	..	..	..	2,787	20,100	35,964	2,64,985
Pudukkottai	..	..	..	..	..	..	..	595	5,363	2,688	1,20,091
Madurai	..	..	..	..	..	..	..	43,064	19,956	37,100	3,08,167
Ramanathapuram	..	..	..	..	..	..	..	19,235	8,326	32,122	2,68,320
Tirunelveli	..	..	..	..	..	..	..	23,361	11,000	41,808	2,52,654
Kanniyakumari	..	..	..	..	..	..	..	..	1,599	2,295	50,177
State								164,659	323,573	282,758	3,818,565

INDEX NUMBERS OF AGRICULTURAL ECONOMY.

The index of area under crops has increased by 3.4 points from 107.2 in 1978-79 to 110.6 in 1979-80. The index of cropping intensity has increased by 3.2 points from 103.2 in 1978-79 to 106.4 in 1979-80. There is no change in the index of cropping pattern in 1979-80 as compared to 1978-79.

The index of yield has increased by 3.0 points from 130.6 in 1978-79 to 133.6 in 1979-80. The index of productivity per nett hectare has increased by 7.8 points from 142.2 in 1978-79 to 150.0 in 1979-80. The index of agricultural production has increased by 8.1 points from 147.7 in 1978-79 to 155.8 in 1979-80.

3.3. INDEX NUMBERS OF AGRICULTURAL ECONOMY.

(Triennium ending 1969-70 = 100)

Crop.	Index number of area under crops.			Index number of yield.		
	1977-78	1978-79	1979-80 (provisional).	1977-78	1978-79	1979-80 (provisional)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Food group—						
Cereals	105.5	101.5	104.8	133.8	130.6	133.2
Pulses	136.8	148.4	178.1	123.1	131.2	135.1
Total Food group	108.0	105.3	109.9	133.5	133.5	142.2
Non-Food group—						
Oil Seeds	104.7	108.1	107.0	124.4	123.6	118.7
Fibre	114.5	122.5	105.7	152.5	150.7	144.1
Plantation crop	125.5	128.0	128.0	112.5	124.7	124.7
Condiments and spices	130.3	173.7	177.7	73.0	71.0	71.2
Fruits and Vegetables	114.1	118.1	123.2	151.5	157.1	151.6
Total Miscellaneous crops	117.2	109.6	116.8	114.7	139.3	141.3
Non-Food group	108.3	112.4	112.8	121.5	128.2	126.0
General	100.0	107.2	110.6	127.0	130.6	133.6

3.3 INDEX NUMBERS OF AGRICULTURAL ECONOMY (TRENNIUM ENDING 196)-70-100)—*contd.*

Crop.	Index number of agricultural production.			Index number of cropping pattern.		
	1977-78	1978-79	1979-80	1977-78	1978-79	1979-80 (provisional)
	(8)	(9)	(10)	(11)	(12)	(13)
<i>Food groups—</i>						
Cereals	144.7	141.2	156.3	102.5	104.1	104.4
Pulses	210.2	241.3	293.9	124.8	123.8	127.8
Total Food groups .. .	146.1	143.3	159.2	101.3	101.9	101.4
<i>Non-Food Group—</i>						
Oil Seeds	133.5	135.5	133.3	102.5	101.5	105.1
Fibre	174.6	184.5	152.2	100.0	99.9	99.9
Plantation crops	142.8	156.5	156.5	101.1	98.1	98.1
Condiments and spices	95.9	127.6	130.4	100.7	103.5	103.6
Fruits and Vegetables	174.4	190.3	188.6	100.8	102.7	101.0
Total Miscellaneous crops	135.8	153.0	165.5	101.0	100.2	100.4
Non-Food group	139.5	151.5	152.9	105.8	105.2	107.7
General	142.6	147.7	155.8	103.9	105.5	105.5

	1977-78	1978-79	1979-80, (provisional.)
Index Number of net area sown	104.7	103.9	103.
Index Number of Cropping intensity	103.2	103.2	106.4
Index Number of Productivity per net hectare	136.0	142.2	150.0

INDEX NUMBERS OF WAGES PAID TO CERTAIN CATEGORIES OF AGRICULTURAL LABOURERS.

The Index Numbers of wages paid to the agricultural labourers during the quarter ended March 1981 have shown an upward trend over those for the previous quarter ended December 1980 in respect of men labourers under "Transplanters and weeders", "Reapers and Harvesters", "Tending Cattle" and "Other Agricultural Labourers". In respect of 'Ploughmen', and Women labourers under Transplanters and Weeders' and 'Other Agricultural labourers' the Index numbers showed a downward trend.

The increase ranged from 13 points to 22 points. The maximum increase is in the case of men labourers under tending Cattle while the minimum increase is in case of Men labourers under 'Transplanters and Weeders'.

3.4 INDEX NUMBERS OF WAGES PAID TO CERTAIN CATEGORIES OF AGRICULTURAL LABOURERS.

Year/Month		Ploughmen	Transplanters and Weeders		Reapers and Harvesters		Tending cattle.		Other Agricultural labourers	
		Men	Men	Women	Men	Women	Men	Women	Men	Women
(1)		(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)
1981-January	..	218	291	268	279	279	243	248	328	351
February	..	227	274	268	289	272	282	207	333	311
March	..	213	289	272	267	276	291	238	336	340

**ESTIMATES OF AREA UNDER PRINCIPAL CROPS FOR RABI SEASON OF 1980-81,
UNDER TIMELY REPORTING SCHEME.**

The district-wise and crop-wise estimates of area sown during the Kharif and Rabi season of 1980-81, framed from the particulars collected in respect of 20 per cent sample villages selected under Timely Reporting Scheme for the year 1980-81 are presented in the Tables-2—8 along with the estimates for the corresponding period of the year 1979-80.

3.5 ESTIMATES OF AREA UNDER PADDY FOR KHARIF AND RABI SEASONS, 1980-81

<i>District</i>		<i>Estimated area '000' Hectares, 1980-81</i>		
		<i>Irrigated</i>	<i>Total</i>	<i>High yielding varieties.</i>
(1)		(2)	(3)	(4)
1	Chengalpattu	195	230	160
2	South Arcot	196	204	167
3	North Arcot	112	121	86
4	Salem	44	47	22
5	Dharmapuri	24	25	9
6	Periyar	57	58	44
7	Coimbatore	34	34	29
8	The Nilgiris	3	3	..
9	Thanjavur	578	593	557
10	Tiruchirappalli	132	145	103
11	Pudukkottai	73	79	67
12	Madurai	127	127	118
13	Ramanathapuram	133	229	63
14	Tirunelveli	126	127	70
15	Kanniyakumari	43	43	14
Total		1,878	2,065	1,509

3.5—contd.

								Under Paddy 1979-80		
District.								Irrigated.	Total.	High yielding varieties.
(1)								(5)	(6)	(7)
1	Chengalpattu	..	..	..	..	..	..	219	257	143
2	South Arcot	..	..	..	..	..	..	289	300	246
3	North Arcot	..	..	..	..	..	..	205	218	138
4	Salem	..	..	..	..	..	..	64	66	32
5	Dharmapuri	..	..	..	..	..	..	43	45	13
6	Periyar	..	..	..	..	..	..	88	88	78
7	Coimbatore	..	..	..	..	..	..	31	31	28
8	The Nilgiris	..	..	..	..	..	..	1	1	..
9	Thanjavur	..	..	..	..	..	..	597	604	530
10	Tiruchirapalli	..	..	..	..	..	..	154	185	83
11	Pudukkottai	..	..	..	..	..	..	135	147	120
12	Madurai	..	..	..	..	..	..	140	145	121
13	Ramanathapuram	..	..	..	..	..	..	183	273	101
14	Tirunelveli	..	..	..	..	..	..	168	171	116
15	Kanniyakumari	..	..	..	..	..	..	57	57	14
Total								2,374	2,588	1,763

								Percentage variation over 1979-80		
District								Irrigated.	Total	High yielding varieties.
(1)								(8)	(9)	(10)
1	Chengalpattu	..	..	..	..	..	..	— 11.0	— 10.5	— 11.9
2	South Arcot	..	..	..	..	..	..	— 32.2	— 32.0	— 32.1
3	North Arcot	..	..	..	..	..	..	— 45.4	— 44.5	— 37.7
4	Salem	..	..	..	..	..	..	— 31.3	— 28.8	— 31.3
5	Dharmapuri	..	..	..	..	..	..	— 44.2	— 44.4	— 30.8
6	Periyar	..	..	..	..	..	..	— 35.2	— 34.1	— 43.6
7	Coimbatore	..	..	..	..	..	..	9.7	9.7	3.6
8	The Nilgiris	..	..	..	..	..	..	@	@	..
9	Thanjavur	..	..	..	..	..	..	— 3.2	— 1.8	— 5.1
10	Tiruchirapalli	..	..	..	..	..	..	— 13.6	— 21.6	24.1
11	Pudukkottai	..	..	..	..	..	..	— 45.9	— 46.3	— 44.2
12	Madurai	..	..	..	..	..	..	— 9.3	— 12.4	— 2.5
13	Ramanathapuram	..	..	..	..	..	..	— 27.3	— 16.1	— 37.6
14	Tirunelveli	..	..	..	..	..	..	— 25.0	— 25.7	— 39.7
15	Kanniyakumari	..	..	..	..	..	..	— 24.6	— 24.6	..
Total								— 29.9	20.2	— 14.4

*Variation is large hence not shown.

3.6 ESTIMATE OF AREA UNDER CHOLAM FOR KHARIF AND RABI SEASONS 1980-81.

District.			Estimated area in '00' Hectares under chulam				Percentage variation over 1979-80	
			1980-81.		1979-80.			
			Irrigated.	Total.	Irrigated.	Total.	Irrigated.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)		
1. Chengalpattu	1	2	0	1	..	@		
2. South Arcot	6	134	15	255	-50.0	-27.8		
3. North Arcot	17	313	9	247	88.9	26.7		
4. Salem	124	707	105	709	18.1	-0.3		
5. Dharmapuri	14	406	32	421	-56.3	-3.6		
6. Coimbatore	196	1,088	106	1,217	84.9	-10.6		
7. Periyar	106	460	127	608	-16.5	-24.5		
8. Thanjavur .. ..	..	1	5	9	..	-88.9		
9. Tiruchirappalli	111	714	31	1,075	@	-33.8		
10. Pudukkottai	10	13	10	37	..	-64.9		
11. Madurai	156	632	145	1,342	7.6	-52.9		
12. Ramanathapuram	16	91	7	81	@	12.3		
13. Tirunelveli	98	202	60	169	63.3	19.5		
State	855	4,809	652	6,169	31.1	-22.1		

3.7 ESTIMATES OF AREA UNDER GUMBU FOR KHARIF AND RABI SEASONS 1980-81.

District.			Estimated area in '00' Hectares under cumbu		Percentage variation over 1979-80.	
			1980-81.	1979-80.		
			Irrigated.	Total.	Irrigated.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Chengalpattu	25	31	25	49	..	-36.7
2. South Arcot	139	777	126	730	10.3	6.4
3. North Arcot	82	185	44	122	86.4	51.6
4. Salem	46	213	19	204	@	4.4
5. Dharmapuri	24	73	14	86	71.4	- 51.6
6. Periyar	58	177	53	190	9.4	-6.8
7. Coimbatore	37	99	31	68	19.4	45.6
8. Thanjavur	8	14	1	8	@	75.0
9. Tiruchirappalli	142	669	110	855	29.1	- 22.1
10. Pudukkottai	5	9	0	10	..	-10.0
11. Madurai	64	165	66	216	- 3.0	- 3.6
12. Ramanathapuram	38	319	15	268	@	19.0
13. Tirunelveli	23	434	11	472	@	- 8.1
Total ..	691	3,162	515	3,278	34.2	- 3.5

⑦ Variation is large hence not shown.

3'8. ESTIMATES OF AREA UNDER RAGI FOR KHARIF AND RABI SEASONS
1980-81.

District.	Estimated area in '00' Hectares under Ragi.				Percentage variation over, 1979-80	
	1980-81 Irrigated	Total	1979-80 Irrigated	Total	Irrigated	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Chengalpattu	86	101	76	120	13.2	-15.8
2 South Arcot	119	150	94	134	26.6	11.9
3 North Arcot	152	198	105	158	44.8	25.2
4 Salem	99	225	97	317	2.1	-29.0
5 Dharmapuri	92	760	87	715	5.7	6.3
6 Periyar	96	116	101	172	-5.0	-32.0
7 Coimbatore	57	12	28	40	@	55.0
8 Thanjavur	3	3	4	4	-25.0	-25.0
9 Tiruchirappalli	33	44	26	41	26.9	7.5
10 Pudukkottai	10	31	3	31	@	..
11 Madurai	56	42	31	44	16.1	-4.5
12 Ramanathapuram	89	205	65	236	36.9	-13.1
13 Tirunelveli	56	64	46	50	21.7	28.0
State ..	928	2,001	763	2,062	21.6	-3.0

3'9. ESTIMATES OF AREA UNDER COTTON FOR KHARIF AND RABI SEASONS
1980-81.

District.	Estimated area in '00' Hectares under Cotton.				Percentage variation over, 1979-80	
	1980-81 Irrigated	Total	1979-80 Irrigated	Total	Irrigated	Total
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Chengalpattu	5	11	0	0	..	..
2 South Arcot	55	76	44	69	25.0	10.1
3 North Arcot	10	12	13	14	-23.1	-14.3
4 Salem	167	183	74	127	@	44.1
5 Dharmapuri	55	57	45	50	22.2	14.0
6 Periyar	84	87	130	130	-35.4	-33.1
7 Coimbatore	88	1100	176	244	-50.0	-59.0
8 Thanjavur	1	7	1	2	..	@
9 Tiruchirappalli	50	69	6	44	@	56.8
10 Pudukkottai	2	8	7	8	71.4	..
11 Madurai	170	226	162	334	4.9	-32.3
12 Ramanathapuram	138	266	145	514	-4.8	-48.3
13 Tirunelveli	195	623	173	629	12.7	-1.0
State ..	1,020	1,725	976	2,165	4.5	-20.3

Variation is large, hence not shown.

3.10. ESTIMATES OF AREA UNDER GROUNDNUT FOR KHARIF AND RABI SEASONS 1980-81.

District.	Estimated area in '00' Hectares under Groundnut.				Percentage variation over.	
	1980-81		1979-80		1979-80	
	Irrigated.	Total.	Irrigated.	Total.	Irrigated.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Chengalpattu	274	520	222	487	23.4	6.8
2 South Arcot	517	1,303	397	1,254	30.2	3.9
3 North Arcot	419	1,564	211	1,830	98.6	7.3
4 Salem	144	1,061	104	1,081	38.5	1.9
5 Dharmapuri	32	417	24	413	33.3	1.0
6 Periyar	243	525	340	497	1.3	5.6
7 Coimbatore	127	390	48	389	@	0.3
8 Thanjavur	147	282	102	268	44.1	1.4
9 Tiruchirappalli	330	593	156	530	@	5.8
10 Pudukkottai	57	402	55	464	3.6	13.4
11 Madurai	251	438	189	727	32.8	39.8
12 Ramanathapuram	65	291	30	275	@	5.8
13 Tirunelveli	44	77	44	49	..	57.1
State ..	2,650	8,263	1,822	8,284	45.4	0.3

3.11. ESTIMATES OF AREA UNDER SUGARCANE FOR KHARIF AND RABI SEASONS 1980-81.

District.	Estimated area in '00' Hectares under Sugarcane.				Percentage over.	
	1980-81		1979-80		1979-80	
	Irrigated.	Total.	Irrigated.	Total.	Irrigated.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Chengalpattu	28	28	28	28	—	—
2 South Arcot	271	271	185	186	45.7	45.7
3 North Arcot	280	280	261	261	7.3	7.3
4 Salem	108	108	111	111	2.7	2.7
5 Dharmapuri	91	91	58	58	56.9	56.9
6 Periyar	171	171	199	199	—14.1	—14.1
7 Coimbatore	159	159	158	158	0.6	0.6
8 Thanjavur	65	65	63	63	3.2	3.2
9 Tiruchirappalli	168	168	122	122	37.7	37.7
10 Pudukkottai	14	14	8	8	75.0	75.0
11 Madurai	100	100	91	91	9.9	9.9
12 Ramanathapuram	68	68	40	40	70.0	70.0
13 Tirunelveli	15	15	11	11	36.4	36.4
State ..	1,538	1,538	1,336	1,336	15.1	15.1

Variation is large hence not shown.

3.12. ESTIMATES OF AREA UNDER POTATO FOR KHARIF AND RABI SEASONS 1980-81.

District.	Estimated area in '00' Hectares under Potato				Percentage variation over.	
	1980-81		1979-80		1979-80	
	Irrigated.	Total.	Irrigated.	Total.	Irrigated.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 The Nilgiris	0	61	0	70	..	—12.9
2 Madurai	19	42	0	0	..	..
State ..	19	103	0	70	..	47.1

AREA AND YIELD OF COCONUT AND ARECANUT IN TAMIL NADU

According to the provisional estimates of Coconut and Arecanut Survey the estimated area under Coconut in Tamil Nadu for 1979-80 was 1,14,860 hectares and its total production was 1,192.20 million nuts. When compared with the previous year, the estimated area and production of coconut showed an increase of 4.89 per cent and 6.13 per cent respectively.

The estimated area under arecanut was 4,280 hectares with the total production of 2,992 tonnes of cured arecanuts registering an increase of 2.88 per cent and 2.82 per cent respectively over the previous year.

The estimated number of coconut palms for 1979-80 was 37.69 millions out of which 68.76 per cent were bearing palms. The bearing coconut palms yielded 1,192.20 million nuts. District wise details are given in the following table:

3.13. ESTIMATED AREA, NUMBER OF PALMS AND PRODUCTION OF COCONUT FOR 1979-80. (PROVISIONAL).			
<i>Serial number and district.</i>	<i>Estimated area in hectares.</i>	<i>Estimated number of palms '000'.</i>	<i>Estimated production of nuts in lakhs.</i>
(1)	(2)	(3)	(4)
<i>I. Villages reported to be growing coconut alone :</i>			
1 Chengalpattu	3,450	835	340
2 South Arcot	2,090	661	217
3 North Arcot	6,530	2,521	894
4 Salem	7,080	3,300	1,230
5 Dharmapuri	8,610	2,953	856
6 Periyar	6,330	2,160	739
7 Coimbatore	8,880	3,028	1,036
8 Thanjavur	19,040	6,150	2,392
9 Tiruchirappalli	4,190	1,803	581
10 Pudukkottai	1,910	846	156
11 Madurai	7,200	3,047	832
12 Ramanathapuram	8,420	2,282	402
13 Tirunelveli	4,400	954	192
14 Kanniyakumari	16,090	3,653	1,001
<i>II. Villages reported to be not growing coconut</i> ..	10,640	3,492	1,054
State ..	1,14,860	37,685	11,922

The estimated number of arecanut palms was 7.82 millions out of which 70.71 per cent were bearing palms. The bearing arecanut palms yielded 2,992 tonnes of cured arecanut indicating an increase of 2.82 per cent over the previous year. Districtwise details are furnished in the following Table:—

3.14 ESTIMATED AREA NUMBER OF PALMS AND PRODUCTION OF ARECANUT
1979-80 (PROVISIONAL)

<i>District.</i>	<i>Estimated area in hectares</i>	<i>Estimated number of palms in '000'</i>	<i>Estimated production of cured nuts in tonne.</i>
(1)	(2)	(3)	(4)
Villages reported to be growing arecanut.			
1 Salem and Dharmapuri	1,280	2,316	824
2 Coimbatore and Periyar	1,380	2,586	923
3 Tiruchirappalli, Thanjavur Madurai and Tirunelveli	180	225	93
4 Kanniyakumari	1,440	2,694	1,152
II Village reported to be not growing Arecanut Negligible.			
State ..	4,280	7,821	2,992

Minor Crops :—

According to the final estimates, the area under onions, potato, chilles and papaya in Tamil Nadu, during 1979-80 was 21728, 10750, 97369 and 57603 hectares respectively while the production of these crops was 2,36493, 80960, 61,588 and 15,79,810 tonne, respectively.

3.15—AREA AND PRODUCTION OF CERTAIN MINOR CROPS 1979—80.

District.	Onion.			Potato.		
	Area under the crop in hectares (as final estimates.)	Estimated average yield in Kg. Hectares.	Estimated production in tonne.	Area under the crop in hectares (as final estimates.)	Estimated average yield in Kg. Hectares.	Estimated production in tonne.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Chengalpattu .. .. .	..	..	..	..	..	..
North Arcot	259	7,234	1,873	..	..	..
South Arcot .. .. .	....	..	....	..	..	..
Tiruchirapalli	2,443	11,875	28,973	..	..	..
Thanjavur .. .. .	....	....	....	..	..	..
Pudukkottai .. .. .	....	....	....	..	..	..
Madurai	7,335	8,390	61,541	2,544	15,634	39,773
Tirunelveli	1,737	11,012	19,128	..	..	..
Ramanathapuram	1,019	6,857	6,987	..	..	..
Kanniyakumari .. .. .	....	....	....	..	..	..
Salem	2,424	14,228	34,489	..	..	..
Coimbatore	4,608	12,521	57,697	..	..	..
Dharmapuri	492	8,241	4,055	313	20,875	6,638
Periyar	1,411	15,397	21,725	..	..	..
The Nilgiris .. .. .	..	..	..	7,888	4,380	34,549
For the districts covered ..	21,728	10,834	2,36,493	10,750	7,533	80,960
STATE	21,970	10,834	2,39,122	10,752	7,533	81,004

	Chillies.			Tapioca.			
	Area under the crop in hectares (as final estimates.)	Estimated average yield in Kg. Hectares.		Estimated production in tonnes.	Area under the crops in hectares (as final estimates.)	Estimated average yield in Kg. hectares.	Estimated production in tonne.
(1)	(2)	Wet.	Drp.	(5)	(6)	(7)	(8)
Chengalpattu	3,221	2,366	1,396	4,497	381	14,395	5,484
North Arcot	1,901	2,199	851	1,618	—	..	..
South Arcot	1,768	2,411	673	1,190	8,949	32,240	2,88,516
Tiruchirapalli	15,041	1,497	578	8,694	1,223	29,743	36,376
Thanjavur .. .. .	....	..	..	..	..	..	..
Pudukkottai	1,739	3,009	1,032	1,795	..	..	..
Madurai	8,325	2,464	850	7,076	..	..	..
Tirunelveli	26,250	2,322	780	20,475	..	..	..
Ramanathapuram	28,117	1,379	440	12,371	..	..	..
Kanniyakumari .. .. .	..	..	..	..	11,909	14,993	1,77,837
Salem	2,499	1,631	617	1,542	31,086	31,540	9,80,452
Coimbatore	4,704	943	272	1,279	..	..	..
Dharmapuri	1,297	1,188	407	528	3,685	22,590	83,244
Periyar	2,507	383	128	323	..	..	..
The Nilgiris .. .. .	..	..	..	..	370	21,353	7,901
For the districts Covered ..	97,369	1,804	630	61,388	57,603	27,384	15,79,810
STATE	98,614	1,804	630	62,127	60,471	27,384	16,44,155

SALIENT FEATURES OF CROP PROSPECTS

Water supply was inadequate in all the districts except certain parts of Thanjavur, Salem, and Periyar districts. All the tanks except a few in the States were dried up.

Ploughing and sowing activities were over in all the districts except South Arcot, Tiruchirapalli, and Pudukkottai districts. Sowing was not done in many parts of the Pudukkottai district for want of water. Generally in all the districts, there was no crop in the rainfed or tankfed areas.

Transplantation was over in all the districts except North Arcot, South Arcot, Thanjavur and Ramanathapuram districts. Transplantation of paddy was in progress in certain pockets of Chidambaram taluks of South Arcot district. Except in some pockets of C.M.P. (Cauvery Mettur Project) area of Pudukkottai district, transplantation was suspended due to inadequacy of water. In most of the East Ramanathapuram district, transplantation of seedlings was affected for want of water. In Thanjavur District groundnut cultivation in Odahanad and Pudukkottai taluks was undertaken and special wetting in Grand Anicut canal.

The condition of the standing crops was fair in some districts except Chengalpattu, North Arcot, Tiruchirapalli, Pudukkottai, Madurai, Ramanathapuram, Tirunelveli, Salem, Dharmapuri, and Kanniyakumari districts. The standing crops dried and withered for want of water in Chengalpattu, North Arcot, Pudukkottai, Ramanathapuram, and Dharmapuri districts. In Tiruchirapalli district all the dry lands withered. Paddy crop raised in most parts of the East Ramanathapuram district and a portion of West Ramanathapuram district was withering for want of rain. Eradication of Bunchy Top disease in Banana plantation in Kodaikanal taluk of Madurai district was undertaken by the Agricultural department.

The out-turn of paddy crop harvested was reported to be fair in South Arcot, Thanjavur, Coimbatore, Periyar and Tiruchirapalli districts. It was normal in North Arcot and below normal in Ramanathapuram and Dharmapuri districts. The out-turn of sugarcane harvested was reported to be fair in Coimbatore, Periyar, Salem, North Arcot and South Arcot Districts. The groundnut harvested was also fair in South Arcot and Salem districts.

The Statistics of Area and production of certain crops was made available to the Economic and Statistics Advisor, New Delhi during the quarter under review. Those details are given in the statement appended.

3.16 SUMMARY OF FORECAST REPORT ON CERTAIN CROPS.

Name of the crop	Name of the report.	Area in Hectares		Percent age Variation of column (3) over column (4).
		1980-81.	1979-80.	
(1)	(2)	(3)	(4)	(5)
1. Gingelly	Third Report	82,540	91,350	-9.6
2. Red gram	First Report	64,140	73,450	-12.7
3. Bengal gram	First Report	5,700	6,320	-9.8
4. Sunhemp	Adhoc	540	520	+10.3
5. Senna	First Report	2,500	2,300	+8.7
6. Onion	First Report	15,430	15,030	+2.7
7. Pepper	Second Report	340	335	+1.5
8. Ginger	Second Report	770	780	-1.3
9. Potato	First Report	11,100	10,400	+6.8
10. Chola	Second Report	5,06,600	5,61,900	-9.8
11. Cumbu	Second Report	2,70,800	3,47,300	-22.0
12. Ragi	Second Report	2,20,500	2,54,000	-13.2
13. Sugarcane	Third Report	1,19,400	1,17,400	+1.7
14. Korra	Second Report	10,790	13,300	-18.9
15. Varagu	Second Report	1,37,190	1,63,000	-15.8
16. Samai	Second Report	1,12,250	1,30,950	-14.3
17. Groundnut	Third Report	6,94,260	9,58,800	-27.6
18. Cotton	Fourth Report	2,19,530	2,54,220	-13.6
19. Rice	Third and Final	21,12,000	29,06,500	-27.3
20. Maize	First and Final	21,050	23,200	-9.3
21. Cumbu	Special	3,41,700	3,70,100	-7.7
22. Ragi	Special	2,40,000	2,52,220	-4.8
23. Ginger	Third and final	880	350	+3.5
24. Mesai	Final	170	40	+325.0
25. Bengal gram	Second and Final	59,990	6,770	-11.5
26. Horse gram	First and Final	1,75,000	1,95,100	-10.3
27. Red gram	Second and Final	71,090	68,510	+3.8
28. Greengram	First and Final	96,300	98,810	-2.5
29. Black gram	First and Final Report	76,500	1,71,640	+2.8
30. Other pulses	Adhoc	45,400	64,950	-20.2
31. Kora	Third and Final Report	12,750	12,120	+5.2
32. Varagu	Third and Final Report	1,56,100	1,79,760	-13.2
33. Samai	Third and Final Report	1,16,350	1,31,960	-11.8
34. Tobacco	Second and Final Report	10,980	12,740	-13.8
35. Pepper	Third and Final Report	560	570	-1.8
36. Chola	Third and Final Report	54,16,00	7,21,000	-24.9

Name of the crop.	Name of the report.	Production in tonnes.		Percentage variation of column (6) over column (7).	Remarks.
		1980-81.	1979-80.		
(1)	(2)	(6)	(7)	(8)	(9)
1 Gingelly	Third Report	28,280	29,240	-3.6	
2 Redgram	First Report	2,4980	29,030	-14.0	
3 Bengalgram	First Repor .. ..	..	..	..	Production not worked out.
4 Sunhemp	Adhoc	370	360	+10.3	
5 Senna	First Report .. ..	..	..	..	Production not worked out.
6 Onion	First Report	1,69,580	1,61,540	+5.0	
7 Pepper	Second Report	70	68	+2.9	
8 Ginger	Second Report	680	680	..	
9 Potato	First Report .. ..	..	..	..	Production not worked out.
10 Cholan	Second Report	5,35,700	5,59,800	-4.3	
11 Cumbu	Second Report	2,39,700	2,92,900	-18.2	
12 Ragi	Second Report	2,70,000	3,32,900	-18.9	
13 Sugarcane	Third Report	18,74,800	8,87,900	-1.5	Production in terms of Gur (in '000 tonnes)
14 Korra	Second Report	8,483	10,540	-19.5	
15 Varagu	Second Report	1,45,020	1,73,770	-16.5	
16 Samai	Second Report .. ..	..	..	..	Production not worked out.
17 Groundnut	Third Report	5,12,920	8,99,000	-42.9	
18 Cotton	Fourth Report	3,25,880	3,15,400	+3.3	Production in bales of 170 kg lint each
19 Rice	Third and Final	39,75,000	57,99,500	-31.5	Production in terms of '000 tonnes.
20 Maize	First and Final	22,570	25,030	-9.8	
21 Cumbu	Special	2,95,000	4,21,700	-30.0	
22 Ragi	Special	3,17,000	37,78,000	-16.1	
23 Ginger	Third and Final	780	720	+8.3	
24 Mesta	Final	7.0	180	-311.1	
25 Bengalgram	Second and Final	3,580	4,040	-11.4	
26 Horsegram	First and Final	41,280	45,530	-9.4	
27 Redgram	Second and Final	39,810	38,980	+2.1	
28 Greengram	First and Final	34,740	3,20,20	+9.1	
29 Blackgram	First and Final Report	55,190	53,580	+3.0	
30 Otharpulses	Adhoc	4,230	13,400	-68.5	
31 Kora	Third and Final Report	10,010	9,320	+7.4	
32 Varagu	Third and Final Report	1,61,040	1,86,020	-13.5	
33 Samai	Third and Final Report	53,110	61,060	-12.9	
34 Tobacco	Second and Final Report	15,720	19,510	-17.3	
35 Pepper	Third and Final Report	110	120	-8.4	
36 Choiam	Third and Final Report	5,35,300	6,52,100	-17.1	

IV. INDUSTRIES.

RESULTS OF ANNUAL SURVEY OF INDUSTRIES.

Annual Survey of Industries is conducted by National Sample Survey Organisation, Government of India under the collection of Statistics Act, 1953 and Collection of Statistics (Central) Rules, 1959.

The factories registered under section 2 m (i) and 2m (ii) of the Factory Act, 1948, and the Beedi establishment are covered by the survey.

The survey is covered under two parts viz., Census and Non-Census. Factories employing 50 or more workers using power and 100 or more workers not using power are covered the census sector. Factories employing 10 to 49 workers using power, and 20 to 99 workers not using power are covered under non-census sector. The survey excludes from its purview, the units engaged in defence production storage and distribution of oils, restaurants, and services, technical institutions not producing anything for sale or exchange even though they are registered as factories under the Factories Act, 1948.

The survey for the year 1977-78 is the latest for which results are available and the same has been given in this issue.



4.1 ANNUAL SURVEY OF INDUSTRIES—1977-78.
Factory Sector.

<i>Industry Code and Group.</i>		<i>Number of factories.</i>	<i>Fixed Capital.</i>	<i>Working Capital.</i>	<i>Productive Capital. (RUPEES IN LAKHS.)</i>	<i>Invested Capital.</i>	<i>Outstanding loan.</i>
(1)		(2)	(3)	(4)	(5)	(6)	(7)
20-21	Manufacture of Food Products.	2,187	2,107.02	5,550.50	14,657.61	16,954.77	8,785.6
22	Manufacture of Beverage, Tobacco and Tobacco Products.	385	643.77	175.44	819.21	1,249.83	732.05 ₆
23	Manufacture of Cotton Textiles.	954	11,106.91	5,655.90	16,762.81	24,124.15	15,905.90
24	Manufacture of Wool Silk and Synthetic fibre Textile.	232	1,144.77	638.29	1,783.05	2,231.06	1,191.05
25	Manufacture of Jute, Hemp and Mesta Textiles.	3	0.39	2.37	3.26	2.21	7.19
26	Manufacture of Textile Products.	403	607.88	426.56	1,104.44	1,291.11	1,166.98
27	Manufacture of wood and wood Products furniture and fixtures.	181	136.77	305.62	443.39	336.79	242.69
28	Manufacture of Paper, and paper product an printing, publishing and Allied industries.	598	5,882.73	1,480.57	7,363.30	7,752.90	4,216.94
29	Manufacture of Leather and leather products.	315	1,838.41	1,054.02	2,892.43	6,364.53	3,413.36
30	Manufacture of Rubber, Plastic, Petroleum and Coal products.	217	5,147.01	3,948.78	9,095.79	12,375.13	2,155.38
31	Manufacture of Chemical and Chemical products.	609	19,035.90	6,975.71	26,071.61	31,023.73	23,828.81
32	Manufacture of Non-Metallic Mineral products.	184	5,203.61	1,657.56	6,811.17	8,583.20	3,974.96
33	Manufacture of Basic Metal and alloys Industries.	394	5,523.50	2,821.33	8,344.83	9,337.49	5,259.89
34	Manufacture of Metal Products and parts except Machinery and Transport equipments.	360	1,205.25	1,873.19	3,078.44	2,842.44	1,642.50
35	Manufacture of Machinery Machine tools and parts except Electrical Machinery.	481	8,704.57	14,208.07	22,912.64	27,769.50	6,128.21
36	Manufacture of Electrical Machinery apparatus Appliances and supplies and parts.	194	1,561.03	1,597.92	3,158.95	4,130.20	2,209.89
37	Manufacture of Transport equipment and parts.	204	5,671.15	6,841.22	12,512.37	13,088.74	23,843.31
38	Other Manufacturing Industries	75	684.65	196.93	881.58	1,257.90	766.20
40	Electricity	49	58,739.34	9,392.58	68,131.92	61,732.72	49,572.54
41-42	Gas and Steam Water Works and Supply.	9	334.12	6.08	340.21	340.20	..
93	Sanitary Services ..	15	35.47	1.04	36.51	36.51	1.11
95	Recreational and Cultural Services.	15	86.71	22.68	109.39	97.66	44.00
96	Personal Service ..	12	10.38	0.71	11.09	6.94	3.26
97	Repair Services ..	378	1,875.88	835.87	2,711.75	2,410.87	142.79
STATE		8,473	1,44,347.72	65,740.02	2,10,087.74	2,35,340.59	1,55,234.70

4.1—cont

Industry Code and Group.		Mandays worked. (NUMBERS.) (IN LAKHS)	All workers. (NUMBERS.)	All employees. (NUMBERS.)	Wages to workers. (RUPEES IN LAKHS.)	Emoluments to employees. (RUPEES IN LAKHS.)
		(8)	(9)	(10)	(11)	(12)
20—21	Manufacture of Food Products.	254.57	93,589	1,19,287	1,231.02	2,157.77
22	Manufacture of Beverage, Tobacco and Tobacco Products.	23.45	8,822	10,852	196.32	295.33
23	Manufacture of Cotton Textile.	430.51	1,23,122	1,35,064	5,957.82	7,762.25
24	Manufacture of wool Silk and Synthetic fibre. Textile.	34.77	9,992	11,273	490.90	625.55
25	Manufacture of Jute, Hemp, and Mesta Textiles.	0.74	252	260	48.9	5.14
26	Manufacture of Textile Products.	37.03	12,327	13,992	234.08	322.49
27	Manufacture of wood and wood products furniture and fixtures.	11.37	3,602	4,526	79.75	123.51
28	Manufacture of paper and paper product and printing publishing and Allied Industries.	88.71	22,301	29,020	968.59	1,504.40
29	Manufacture of Leather and leather products.	43.33	13,513	15,847	513.25	652.69
30	Manufacture of Rubber, Plastic, Petroleum and Coal products.	45.62	11,928	15,938	702.06	1,350.75
31	Manufacture of Chemical and Chemical products.	183.88	52,340	63,767	1,548.74	2,815.04
32	Manufacture of Non-Metallic Mineral products.	66.58	16,559	21,146	743.75	1,276.13
33	Manufacture of Basic Metal and Alloys Industries.	96.54	20,026	26,412	844.31	1,433.94
34	Manufacture of Metal Products and parts except machinery and Transport equipments.	81.14	12,540	16,350	483.13	854.79
35	Manufacture of Machinery, Machine Tools, and parts except Electrical Machinery.	128.42	32,432	45,270	2,053.27	3,386.69
36	Manufacture of Electrical Machinery apparatus, Appliances and supplies and parts, etc.	52.20	12,971	18,333	689.66	1,313.26
37	Manufacture of Transport equipment and parts.	118.78	32,123	41,810	2,005.53	4,523.65
38	Other Manufacturing Industries.	13.30	3,634	4,728	155.26	252.55
40	Electricity	295.84	61,366	81,072	2,775.65	5,018.34
41—42	Gas and Steam Water Works and Supply.	1.75	332	475	14.14	23.73
93	Sanitary Services	2.03	260	304	12.41	14.30
95	Recreational and Cultural Services.	3.49	1,017	1,212	39.50	55.40
96	Personal Service.	1.35	391	444	14.31	17.00
97	Repairs Services	78.41	19,095	25,223	1,189.62	1,746.53
STATE ..		2,123.86	5,64,534	7,03,615	23,553.97	38,054.39

ANNUAL SURVEY OF INDUSTRIES—1976-77—cont.

Factory Sector—cont.

DISTRICT 1		INPUT.			OUTPUT.		
Industry Code and Group.		Fuel, etc., consumed.	Materials consumed.	Other input.	Total input.	Products.	Other output.
		(RS. IN LAKHS).					
(1)	(13)	(14)	(15)	(16)	(17)		
20-21 Manufacture of food products ..	1,192.92	32,887.00	5,213.04	39,362.96	42,189.51		
22 Manufacture of Beverages, Tobacco and Tobacco products ..	102.86	2,444.33	1,393.31	3,940.50	3,782.13		
23 Manufacture of Cotton Textiles	2,952.84	47,194.23	5,321.16	55,463.23	65,970.87		
24 Manufacture of Wool silk and synthetic fibre textiles	356.23	4,054.99	731.59	5,142.81	5,999.96		
25 Manufacture Jute, Hemp and mesta Textiles ..	0.22	4.56	2.05	6.83	10.44		
26 Manufacture of textile products ..	45.14	3,051.85	1,003.56	4,104.56	3,966.80		
27 Manufacture of wood and wood products, Furniture and Fixtures	18.91	430.23	164.37	613.51	630.37		
28 Manufacture of paper and paper product and printing publishing and Allied Industries ..	650.56	4,727.11	1,229.52	6,607.19	7,791.83		
29 Manufacture of leather and furniture products	123.58	12,214.56	2,501.43	14,869.57	13,983.59		
30 Manufacture of Rubber plastic, Petroleum and coal products.	756.61	52,636.48	3,180.39	56,573.48	62,099.22		
31 Manufacture of chemical and chemical products.	4,798.03	25,259.71	4,696.31	34,754.05	41,622.39		
32 Manufacture of Non-Metallic, mineral products.	3,399.06	6,175.21	1,144.34	10,718.69	13,468.91		
	1,522.97	8,432.41	1,726.36	11,681.74	12,990.18		
33 Basic Metal and Alloys Industries.							
34 Manufacture of Metal products and parts, except Machinery Transport equipment.	168.78	3,452.29	890.91	4,511.98	5,223.45		
35 Manufacture of Machinery, Machine tools and parts except Electrical Machinery.	646.48	18,837.30	4,945.18	24,428.96	33,941.48		
36 Manufacture of Electrical Machinery, Apparatus, Appliances and supplies and parts.	150.79	6,059.01	851.80	7,061.60	9,669.16		
	655.03	15,668.90	2,453.00	18,776.93	24,669.5		
37 Manufacture of Transport Equipments and parts.	46.06	748.31	409.72	1,204.09	1,354.26		
38 Other Manufacture of Industries							
43 Electricity.	2,666.98	7,212.81	2,052.19	11,941.98	22,061.28		
41-42 Gas and Steam Water works and supply.	86.02	21.15	11.21	118.38	183.82		
93 Sanitary Services ..	19.39	1.03	5.23	25.70	6.22		
95 Recreational and Cultural Services.	13.34	26.30	22.97	62.61	39.51		
96 Personal Service	11.30	9.21	7.78	28.29	3.66		
97 Repair Services	340.32	2,156.43	1,763.03	4,259.78	201.41		
STATE ..	20,725.42	2,53,738.60	41,800.45	3,16,264.47	3,71,859.74		

4.1—cont.

Industrial Code and Group.	OUTPUT					
	RUPEES IN LAKHS.					
	Other output.	Total	Depreciation.	Value added.	Factor payment.	Net income
	(18)	(19)	(20)	(21)	(22)	(23)
20—21 Manufacture of food product.	4,706.29	46,895.80	879.21	6,653.63	1,130.03	5,523.60
22 Manufacture of Beverage Tobacco and Tobacco products.	869.46	4,651.59	48.04	663.05	152.98	510.07
23 Manufacture of cotton textiles.	3,722.17	69,693.04	1,365.06	12,859.70	2,392.45	10,467.25
24 Manufacture of wool, silk synthetic fibres, Textiles.	389.06	6,389.02	141.72	1,104.49	138.65	965.84
25 Manufacture of Jute Hemp and mesta Textiles.	2.76	13.02	0.04	6.33	0.73	5.60
26 Manufacture of Textile products.	834.02	4,800.82	69.00	627.26	159.50	467.76
27 Manufacture of wood and wood products, furniture and fixtures.	207.60	837.97	10.78	213.68	31.49	182.19
28 Manufacture of paper, and paper product and printing and publishing and Allied Industries.	2,832.98	10,674.81	530.20	3,537.42	564.87	2,972.55
29 Manufacture of leather and leather products.	2,768.36	1,6751.95	197.77	1,684.61	492.34	1,192.27
30 Manufacture of Rubber plastic Petroleum and coal products.	1,637.31	63,736.53	1,149.91	6,013.14	401.56	5,611.58
31 Manufacture of chemical and chemical products.	2,732.15	44,354.54	2,773.62	6,826.87	3,527.69	3,299.18
32 Manufacture of non-metallic mineral products.	619.04	14,087.95	517.52	2,851.74	640.50	2,211.24
33 Basic metal and Alloys Industries.	1,449.67	14,439.85	605.90	2,152.21	872.02	1,280.19
34 Manufacture metal products and parts, except Machinery and Transport equipment.	976.36	6,199.81	191.59	1,496.24	240.62	1,255.68
35 Manufacture of machinery Machine tools, and parts except Electrical machinery	3,625.62	37,567.10	865.36	12,272.78	1,434.65	10,838.13
36 Manufacture of Electrical machinery apparatus, appliances and supplies and parts.	490.52	10,159.68	196.63	2,901.45	389.83	2,511.62
37 Manufacture of Transport equipment and parts.	2,967.04	27,636.59	744.66	8,115.00	697.84	7,417.16
38 Other Manufacture of Industries	314.62	1,668.88	54.13	410.66	137.82	272.84
40 Electricity	825.25	22,886.53	1,983.28	8,961.27	2648.08	6,313.19
41 & 42 Gas and Steam Water works and supply	31.54	215.36	7.94	89.04	..	89.04
93 Sanitary services	35.68	41.90	5.52	10.68	0.98	9.70
95 Recreational and cultural services.	134.68	174.19	7.27	104.31	15.55	88.76
96 Personal services	50.81	54.47	1.35	24.83	1.21	23.62
97 Repair Services	6,162.44	6,363.59	170.23	1,933.58	75.54	1,858.04
State ..	38,435.43	4,10,295.17	12,516.73	81,513.97	16,146.93	65,367.04

INDUSTRIAL PRODUCTION BY PRODUCTS

The Industrial Production under the Registered sector increased by 2.2 percent or 4.2 points during the quarter ended December 1980 as the average General Index (Base 1970—100) increased from 188.9 in the Quarter ended September 1980 to 193.1 in the Quarter ended December 1980.

Significant increases in output were observed in respect of Sugar (Refined) 1247.2 percent Tea (Processed) (69.4 percent), Tyres (all types) (24.3 percent) Tubes (all types) (45.2 percent) Superior Kerosene (42.1 percent) Ammonia (20.1 percent), (Urea 30.6 percent) and Transformers (67.4 percent)

Significant decreases in output were noticed in respect of Refined oil (23.1 percent) Coffee (cured) (24.2 Percent) Pesticides (23.1 percent) & Synthetic Gemstones (99.4 Percent.)



4.2 INDUSTRIAL PRODUCTION BY PRODUCTS

Serial number and name of the Product		Unit.	Production			Total
			July 1980.	August 1980.	September 1980.	
(1)	(2)		(R) (3)	(R) (4)	(R) (5)	(6)
MINING						
1 Lignite	Tonne		4,09,000	4,00,000	4,00,210	12,30,000
2 Bauxite	"		9,912	10,819	11,363	31,094
3 Limestone	"		4,39,000	4,16,000	3,68,000	12,23,000
4 Magnesite	"		31,026	31,253	29,494	91,772
5 Gypsum	"		7,638	7,920	6,882	22,440
MANUFACTURING						
6 Sugar (Refined) ..	"		2,669	1,305	Nil	2,974
7 Hydrogenated oil (Vanaspathi) ..	"		1,785	1,621	1,900	5,306
8 Refined Oil	"		279	290	190	759
9 Tea (Processed) ..	"		4,468	3,711	4,894	13,073
10 Coffee (cured) ..	"		1,067	1,622	1,345	4,034
11 Cotton yarn	"		19,691	19,845	20,199	59,735
12 Cotton woven piece goods. ..	'1000' metres		15,066	14,440	15,479	44,985
13 Printing paper ..	Tonne		2,360	2,874	2,763	7,997
14 Tyres (all types) ..	Number		3,75,840	4,07,428	4,44,111	12,27,379
15 Tubes (") ..	"		1,69,881	1,97,605	3,60,502	7,27,988
16 Superior Kerosene	Tonne		18,052	27,399	26,243	71,734
17 High Speed Diesel Oil	"		25,811	60,354	46,269	1,32,432
18 Ammonia	"		48,989	20,231	35,179	1,04,399
19 Caustic soda	"		8,426	9,012	7,766	25,104
20 Urea	"		66,292	36,208	56,503	1,58,553
21 Super phosphate ..	"		13,680	17,048	12,511	43,239
22 Mixed Fertilizers. ..	"		85,913	76,769	76,013	2,38,695
23 Pesticides	"		2,982	2,131	1,731	6,844
24 Paints and Enamel	Kg.		4,65,129	4,29,324	4,26,974	13,21,427
25 Varnishes	Litre		14,275	11,972	91,906	48,153
26 Safety Matches ..	Gross Boxes		80,54,663	66,27,842	64,34,418	2,11,16,923
27 Refractories	Tonnes		12,747	12,522	12,440	37,709
28 Cement	"		2,38,293	2,92,790	2,76,378	8,07,461
29 Asbestos Cement Product. ..	"		6,938	6,520	6,825	20,283
30 Coated Abrasives	Reams		8,824	6,629	9,892	25,345
31 Bonded Abrasives	Tonne		414	378	446	1,238
32 Iron and Steel (Metal)	Tonne		12,337	13,020	13,028	38,385
33 Castings (Iron and Steel)	"		4,802	4,489	4,482	13,773
34 Non-Ferrous (Metal)	"		2,105	2,237	2,268	6,610
35 Metal containers, Caps and Closures. ..	"		939	870	990	2,799
36 Tractor s. . .	Number		809	726	810	2,345
37 Earth Moving Machinery	"		14	12	7	33
38 High Pressure, Boilers and Fittings	Tonne		7,350	7,790	7,790	22,930
39 Diesel Engines	Number		4,728	4,853	5,095	14,676
40 Textile Frames	"		127	156	124	407
41 Power Driven Pumps	"		16,266	14,219	14,927	45,412
42 Typewriters	"		3,394	3,169	3,462	10,225
43 Transformers	K.V.A.		42,788	60,730	17,320	1,20,838
44 Electric motors ..	Number		14,575	12,763	12,960	40,298
45 Dry Cells	"		1,02,43,855	1,01,95,225	1,10,06,187	3,14,45,267

4.2 INDUSTRIAL PRODUCTION BY PRODUCTS—*contd.*

Serial number and name of the Product.	Unit.	Production.			Total	Percentage increase or decrease over previous quarter.
		October 1980 P	November 1980 P	December 1980 P		
		(7)	(8)	(9)		
MINING						
1 Lignite	Tonne	3,85,000	3,85,000	3,85,000	11,55,000	— 6.1
2 Bauxite	"	10,460	10,460	10,460	31,380	— 2.2
3 Limestone	"	3,70,000	3,70,000	3,70,000	11,10,000	— 9.2
4 Magnesite	"	24,912	24,912	74,912	74,736	—18.6
5 Gypsum	"	3,560	3,560	3,560	10,680	—52.4
MANUFACTURE						
6 Sugar (Refined) ..	"	3,457	18,289	41,793	53,339	+1,247.2
7 Hydrogenated oil (Vanaspathi) ..	"	1,844	1,531	1,778	5,173	— 2.5
8 Refined oil	"	226	188	170	584	— 23.1
9 Tea (Processed) ..	"	7,447	8,251	6,445	22,143	+ 69.4
10 Coffee (cured) ..	"	1,476	805	777	3,058	— 24.2
11 Cotton yarn	"	19,224	17,607	19,017	55,848	— 6.5
12 Cotton woven piece goods	'1000' metres	13,374	12,728	11,849	37,951	—15.6
13 Printing paper ..	Tonne	2,651	2,448	3,279	8,378	+ 4.8
14 Tyres all types ..	Number	4,73,133	4,32,498	6,19,413	15,25,044	+24.3
15 Tubes all types ..	"	316,119	3,22,446	4,18,816	10,57,381	+45.2
16 Superior Kerosene	Tonne	35,318	27,599	39,037	1,01,954	+42.1
17 High Speed Diesel Oil	"	41,810	55,588	59,460	1,56,858	+18.4
18 Ammonia	"	51,387	33,691	40,301	1,25,379	+20.1
19 Caustic soda	"	7,838	7,861	6,543	22,242	—11.4
20 Urea	"	79,137	59,146	63,804	2,07,087	+30.6
21 Super phosphate ..	"	15,482	11,846	14,043	41,371	— 4.3
22 Mixed Fertilisers	"	77,935	76,364	73,366	2,27,665	— 4.6
23 Pesticides	"	2,169	1,490	1,604	5,263	—23.1
24 Paints and Enamels	kg.	4,59,377	4,36,610	6,43,070	15,39,057	+16.5
25 Varnishes	Litre	12,138	9,540	20,982	42,660	—11.4
26 Safety Matches ..	Gross Boxes	74,57,313	61,74,034	87,60,406	2,23,91,753	+6.0
27 Refractories	Tonne	11,631	12,932	14,009	38,572	+ 2.3
28 Cement	"	2,68,627	2,44,709	2,67,008	7,82,344	— 3.1
29 Asbestos Cement Products	"	6,642	6,322	7,439	20,403	+ 0.6
30 Coated Abrasives	Reams	8,756	7,846	7,458	24,060	— 5.1
31 Bonded Abrasives	Tonne	448	448	396	1,292	+ 4.4
32 Iron and Steel (Metal)	Tonne	11,229	11,847	11,295	34,371	—10.5
33 Castings (Iron and Steel)	"	4,636	4,020	4,496	13,152	— 4.5
34 Non-Ferrous (Metal)	"	2,235	2,231	2,291	6,757	+ 2.2
35 Metal containers Caps and Clousers	"	791	814	835	2,440	—12.8
36 Tractors	Number	768	717	644	2,129	— 9.2
37 Earth Moving Machinery	"	11	11	10	32	— 3.0
38 High Pressure Boilers and Fittings	Tonne	7,790	7,790	10,681	26,261	+14.5
39 Diesel Engines ..	Number	5,028	4,862	4,739	14,629	— 0.3
40 Textile Frames ..	"	96	163	196	455	11.8
41 Power Driven Pumps	"	13,764	13,172	15,222	42,158	— 7.2
42 Typewriters	"	3,051	3,239	3,785	10,075	— 1.5
43 Transformers	KVA	1,31,530	53,280	17,463	2,02,273	+67.6
44 Electric Motors ..	Number	11,316	12,171	15,07	38,561	— 4.3
45 Dry Cells	"	91,91,798	96,81,915	108,57,422	2,97,31,135	— 5.5

4*2- *contd.*

			(3)	(4)	(5)	(6)
			(R)	(R)	(R)	
46	Railway Coaches	..	Number	65	65	198
47	Railway Wagons	..	„	59	77	226
48	Completed Motor Vehicles.	..	„	286	292	821
49	Motor Vehicle Chassis	..	„	985	1,165	3,293
50	Body Building	.. ..	„	171	152	478
51	Motor Cycles	.. ..	„	1,717	1,970	5,632
52	Bicycles	.. ..	„	32,906	29,222	96,520
53	Synthetic Gemstones	..	Kg.	868	955	2,816
54	Electricity Generated	..	Million KWH	925,284	896,021	27,06,551



सत्यमेव जयते

				(7)	(8)	(9)	(10)	(11)
				(P)	(P)	(P)		
46	Railway Coaches	..	Number	65	62	61	188	— 5.1
47	Railway Wagons	..	"	90	90	36	216	— 4.4
48	Completed Motor Vehicles.		"	300	301	342	943	+ 5.8
49	Motor Vehicle Chassis	..	"	1,114	1,146	1,299	3,559	+ 8.1
50	Body Building	..	"	155	129	166	450	— 5.9
51	Motor Cycles	..	"	1,950	1,976	2,085	60,11	+ 6.7
52	Bicycles	..	"	35,852	33,174	38,301	2,07,327	+ 11.2
53	Synthetic Gemstones	..	Kg	Nil	Nil.	18	18	— 99.4
54	Electricity Generated		Million KWH	878,729	857,761	883,288	2619,778	— 3.2

4.2 INDEX NUMBERS OF INDUSTRIAL PRODUCTION (1970=100)

Serial Number.	Code number.	Name of Industry.	Index numbers for the month of			Average for the Quarter ended. September 1980.
			July 1980(R).	August 1980(R).	September 1980(R).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		I. MINING—	136.6	133.3	133.7	134.5
1	101	Lignite	138.5	135.4	142.5	138.8
2	123	Bauxite	140.3	153.1	160.8	151.4
3	190	Stone quarrying clay and pits	135.6	131.9	118.6	128.7
4	193	Precious and semi-precious stone .. .. .	..	..	..	..
5	194	Mica (Crude)	28.6	..	..	9.5
6	195	Gypsum	96.2	99.7	86.7	94.2
		II. MANUFACTURING—	188.4	187.7	190.0	188.7
7	201	Manufacture of dairy products	215.9	213.1	198.9	209.3
8	204	Grain Mill Products	139.1	121.2	145.4	135.2
9	205	Manufacture of Bakery products	189.7	197.0	232.2	206.3
10	206	Sugar (Refined)	9.7	4.8	..	4.8
11	207	Production of indigenous sugar	16.1	10.2	..	8.8
12	208	Salt	239.8	252.0	250.7	247.5
13	209	Manufacture of cocoa, chocolate sugar confectionery.	86.0	72.3	81.3	79.9
14	210	Vanaspathy	128.1	116.4	136.4	127.0
15	211	Refined oil	30.8	32.0	21.0	27.9
16	212	Tea (Processed)	100.2	83.2	109.7	97.7
17	213	Coffee (Cured)	184.6	280.6	232.7	232.6
18	216	Prepared animal feeds	482.7	404.1	470.8	452.5
19	220	Distilling, rectifying and blending of .. spirits.	201.5	206.9	144.9	184.4
20	224	Soft drinks and carbonated water	117.1	62.5	76.1	85.2
21	228	Manufacture of chewing tobacco, Jarda and snuff.	166.6	156.3	160.2	161.0
22	231	Cotton spinning, weaving and finishing of cotton textiles in mills.	131.0	131.5	134.4	132.3
23	247	Spinning, weaving and finishing of other textiles.	123.7	171.7	155.5	150.3
24	280	Manufacture of pulp, paper and paper board including newsprint.	203.1	230.5	220.1	219.5
25	300	Tyre and Tube Industries	80.3	88.1	107.8	92.1
26	302	Manufacture of rubber products n. e. c.	104.8	99.0	110.1	104.6
27	303	Manufacture of plastic products n.e.c. (except house furnishing).	370.6	421.3	464.5	418.8
28	304	Petroleum refineries	64.0	158.7	144.1	122.3
29	310	Manufacture of basic industrial organic and inorganic chemical and gases.	395.7	258.9	320.8	325.1
30	311	Manufacture of fertilisers and pesticides	700.7	552.2	608.2	620.4
31	312	Manufacture of paints, varnishes and lacquer.	138.1	124.1	138.4	133.5
32	313	Manufacture of drugs and Medicines.	554.7	438.2	399.3	464.1
33	314	Manufacture of perfumes, cosmetics, soaps in any form etc.	164.7	166.8	177.1	169.5
34	316	Manufacture of turpentine, synthetic resin and plastic materials etc.	101.5	125.4	132.9	119.9
35	317	Safety matches	259.4	213.5	207.3	226.7
36	318	Manufacture of explosives and ammuni- tion and fire works.	298.8	289.4	260.0	282.7
37	319	Manufacture of chemical products n.e.c.	341.0	288.7	372.4	334.0
38	320	Manufacture of structural clay products	106.9	105.2	104.6	105.6
39	321	Manufacture of glass and glass products	..	..	..	..
40	323	Manufacture of earthen ware and procelain ware	201.9	202.2	209.7	204.6
41	324	Manufacture of cement, lime and plaster	119.5	146.8	138.6	135.0

Serial Number	Code Number	Name of Industry	Index numbers for the month of			Average for the Quarter ended December 1980
			October 1980 (P).	November 1980 (P).	December 1980 (P).	
(1)	(2)	(3)	(8)	(9)	(10)	(11)
		MINING	134.1	123.3@	123.3	126.9
1	101	Lignite	142.5	130.3@	130.3	134.4
2	123	Bauxite	160.8	148.0	148.0	152.3
3	190	Stone quarrying clay and pits	119.6	113.4	113.4	115.5
4	193	Precious and Semi precious stone .. ..	..	..	..	..
5	194	Mica (Crude) .. .. .	..	14.3	14.3	9.5
6	195	Gypsum	86.7	44.8	44.8	58.8
		II. Manufacturing	192.6	186.1	207.7	195.9
7	201	Manufacture of dairy products	187.2	198.1	203.5	197.9
8	204	Grain Mill Products	113.8	74.9	149.2	112.6
9	205	Manufacture of Bakery products	231.4	231.8	249.7	237.6
10	206	Sugar Refined	12.6	30.3	152.6	65.2
11	207	Production of Indigenous sugar.	13.7	31.4	175.9	73.7
12	208	Salt	335.5	178.3	14.7	176.2
13	209	Manufacture of Cocoa, chocolate Sugar confectionery.	83.1	74.4	92.6	83.4
14	210	Vanaspathy	133.8	109.9	127.6	123.8
15	211	Refined Oil	24.9	20.8	17.0	20.9
16	212	Tea (Processed)	167.0	185.0	144.5	165.5
17	213	Coffee (cured)	255.4	139.3	134.4	176.4
18	216	Prepared Animal Feeds	440.9	487.9	381.7	436.8
19	210	Distilling, Rectifying and blending of spirits.	23.2	102.7	103.0	76.3
20	224	Soft Drinks and carbonated water.	55.9	43.0	38.6	45.8
21	228	Manufacture of chewing tobacco, Jeda and snuff.	167.9	138.7	157.6	154.7
22	231	Cotton spinning, weaving and fini- shing of cotton textiles in mills.	127.3	116.6	124.6	122.7
23	247	Spinning, weaving and finishing of other textiles.	157.6	114.1	144.7	138.8
24	280	Manufacture of pulp, paper and paper Board, including Newsprint.	220.3	215.7	212.8	226.3
25	300	Tyre and Tube Industries.	109.4	102.7	143.6	118.6
26	302	Manufacture of Rubber products n.e.c.	104.3	90.3	107.8	100.8
27	303	Manufacture of plastic products n.e.c. (except house furnishing)	530.4	527.7	461.7	506.6
28	304	Petroleum Refineries.	144.6	149.3	161.0	151.6
29	310	Manufacture of basic industrial orga- nic and inorganic chemical and gases.	400.9	308.1	322.5	343.5
30	311	Manufacture of fertilisers and pesti- cides.	702.7	618.2	639.5	653.4
31	312	Manufacture of paints, varnishes and lacquers.	123.1	125.8	181.2	143.4
32	313	Manufacture of drugs and Medicines.	394.5	441.2	474.9	436.9
33	314	Manufacture of perfumes cosmetics, soaps in any form, etc.	163.2	173.3	194.9	173.8
34	316	Manufacture of Turpentine, synthetic resin and plastic Materials, etc.	134.3	139.1	115.6	129.7
35	317	Safety matches	240.2	240.2	244.5	241.6
36	318	Manufacture of explosives and ammuni- tion and fire works.	268.7	48.3	40.2	119.1
37	319	Manufacture of chemical products n.e.c.	384.8	264.0	417.7	355.5
38	320	Manufacture of structural clay products	97.5	108.5	117.6	107.9
39	321	Manufacture of glass and glass products	..	..	..	..
40	323	Manufacture of earthen ware and procelain ware.	213.3	208.8	218.5	213.5
41	324	Manufacture of cement, lime and plaster	134.7	122.7	134.9	130.8

Serial number.	Code number.	Name of Industry.	Index numbers for the month of			Average for the quarter ended September 1980 (R).
			July 1980 (R).	August 1980 (R).	September 1980 (R).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
42	326	Manufacture of structural, stone goods, stone ware, stone dressing and stone crushing.	147.3	169.1	151.6	156.0
43	328	Manufacture of Asbestos cement and other cement products.	151.9	142.8	149.4	148.0
44	329	Manufacture of miscellaneous non-metal mineral products.	146.5	146.8	178.4	157.2
45	330	Iron and steel Industries	197.4	191.5	207.1	198.7
46	331	Foundries for casting and forging .. iron and steel.	165.3	153.3	136.1	151.6
47	339	Other non-ferrous metal industries ..	134.6	140.2	145.0	139.9
48	340	Manufacture of fabricated metal products	204.5	199.9	192.5	199.0
49	343	Manufacture of hand tools and general hardware.	482.5	461.4	417.5	453.8
50	344	Enamel sign boards and other enamel products.	80.0	130.0	130.0	113.3
51	345	Manufacture of metal utensil cutlery and kitchenware.	60.9	56.3	48.4	55.2
52	349	Manufacture of metal products except machinery and transport equipment N.E.C. like type founding.	150.5	145.8	124.5	140.3
53	350	Manufacture of Agricultural machinery	475.4	436.2	464.9	458.8
54	351	Manufacture and repair of heavy machinery and equipment used by construction and mining industries.	44.4	58.5	23.4	42.1
55	352	Manufacture of prime movers, boilers and steam generating plants such as diesel engines and parts.	388.3	400.7	412.6	403.5
56	353	Industrial machinery for food and textile industries.	242.0	290.8	239.2	257.3
57	355	Manufacture of refrigerators, air conditioner, and fire fighting equipments and their parts components and accessories.	15.2	12.1	12.1	13.1
58	356	Manufacture, alteration and repair general items of non-electrical machinery components equipment and accessories n.e.c.	95.3	124.2	119.2	112.9
59	357	Manufacture of machine tools, their parts and accessories.	267.6	261.1	251.0	259.9
60	358	Manufacture of office computing and accounting machinery and parts.	266.0	261.7	301.7	276.5
61	360	Manufacture of electrical industrial machinery and apparatus and parts.	249.8	253.3	242.2	248.4
62	361	Manufacture of insulated wires and cables	73.5	107.6	119.2	100.1
63	362	Manufacture of dry and wet batteries ..	111.8	165.0	118.9	111.9
64	363	Manufacture of electrical apparatus appliances and other parts.	966.0	714.6	358.6	679.7
65	364	Manufacture of radio and television transmitting and receiving sets.	155.9	152.7	160.0	156.2
66	370	Ship building and repairing	133.3	91.7	91.7	105.6
67	372	Manufacture of railway wagons and coaches and parts.	120.6	123.1	129.4	124.4
68	374	Manufacture of motor vehicles and parts	197.8	209.9	212.0	206.6
69	375	Manufacture of motor cycles and scooters and parts.	197.8	227.0	224.1	216.3
70	376	Manufacture of bicycles, cycle-rickshaw and parts.	98.3	86.2	98.3	94.3
71	379	Manufacture of transport equipment and parts n.e.c.	83.7	81.4	79.1	81.4
72	380	Manufacture of medical, surgical and scientific equipment.	61.5	58.0	52.7	57.4

4.3 - contd.

Serial number.	Code number.	Name of Industry.	Index number for the month of			Average for the quarter ended December 1980.
			October 1980 (P).	November 1980 (P).	December 1980 (P).	
(1)	(2)	(3)	(8)	(9)	(10)	(11)
42	326	Manufacture of structural, stone goods, stone ware, stone dressing and stone crushing.	129.0	156.3	154.9	146.7
43	328	Manufacture of Asbestos cement and other cement products.	145.4	138.4	162.9	148.9
44	329	Manufacture of miscellaneous non-metal mineral products.	164.1	165.7	174.7	168.9
45	330	Iron and steel industries	152.3	184.4	178.5	171.7
46	331	Foundries for casting and forging iron and steel.	167.0	162.2	167.0	165.4
47	339	Other non-ferrous metal industries ..	142.5	141.8	147.7	144.0
48	340	Manufacture of fabricated metal products	168.5	157.1	135.7	153.8
49	343	Manufacture of hand tools and general hardware.	376.6	464.0	467.0	435.9
50	344	Enamel sign boards and other enamel products.	90.0	60.0	110.0	86.7
51	345	Manufacture of metal utensil cutlery and kitchenware.	49.2	43.8	64.1	52.4
52	349	Manufacture of metal products except machinery and transport equipment N. E. C. like type founding.	125.9	140.1	108.2	124.7
53	350	Manufacture of agricultural machinery.	439.5	411.1	377.4	409.3
54	351	Manufacture and repair of heavy machinery and equipment used by construction and mining industries.	33.6	34.7	33.0	33.8
55	352	Manufacture of prime movers, boilers, and steam generating plants such as diesel engines and parts.	411.8	409.8	539.0	453.5
56	353	Industrial machinery for food and textile industries.	188.3	307.4	367.0	287.6
57	355	Manufacture of refrigerators, air-conditioners and fire fighting equipments and their parts components and accessories.	6.1	15.2	6.1	9.1
58	356	Manufacture, alteration and repair general items of non-electrical machinery components equipment and accessories n.e.c.	83.7	78.4	90.3	84.1
59	357	Manufacture of machine tools, their parts and accessories.	253.7	259.3	278.0	263.7
60	358	Manufacture of office computing and accounting machinery and parts.	259.8	267.0	310.2	279.0
61	360	Manufacture of electrical industrial machinery apparatus and parts.	278.8	228.5	230.3	245.9
62	361	Manufacture of insulated wires and cables	127.4	140.5	122.6	130.2
63	362	Manufacture of dry and wet batteries ..	97.8	101.4	116.4	105.2
64	363	Manufacture of electrical apparatus appliances and other parts.	751.0	653.5	694.6	699.7
65	364	Manufacture of radio and television transmitting and receiving sets.	154.0	149.9	138.6	147.5
66	370	Ship building and repairing	100.0	25.0	25.0	50.0
67	372	Manufacture of railway wagons and coaches and parts.	126.1	126.0	107.3	119.8
68	374	Manufacture of motor vehicles and parts	208.4	211.9	247.4	222.6
69	375	Manufacture of motor cycles and scooters and parts.	224.7	227.7	240.2	230.9
70	376	Manufacture of bicycles, cycle-rickshaws and parts.	101.1	93.4	110.1	101.5
71	379	Manufacture of Transport equipment and parts n.e.c.	90.7	88.4	102.3	93.8
72	380	Manufacture of medical, surgical and scientific equipment.	52.4	52.2	60.2	54.9

4.3—*could.*

Serial number.	Code number.	Name of Industry.	Index number for the month of.			Average for the quarter ended. September 1980 (R).
			July 1980 (R).	August 1980 (R).	September 1980 (R).	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
73	381	Manufacture of photographic and optical goods.			23.1	7.7
74	382	Manufacture of watches and clocks ..	272.2	208.8	246.7	242.7
75	387	Manufacture of stationery articles n.e.c.	45.9	48.1	46.4	46.8
76	389	Manufacture of miscellaneous products n.e.c.	46.9	51.6	53.6	50.7

III. Electricity.

77	490	Electricity generated	207.6	201.1	198.8	202.4
		General index	189.5	187.9	189.3	188.9



सत्यमेव जयते

4.3—*contd.*

Serial number.	Code number.	Name of Industry.	Index number for the month of			Average for the quarter ended December 1980.
			October 1980 (P).	November 1980 (P).	December 1980 (P).	
(1)	(2)	(3)	(8)	(9)	(10)	(11)
73	381	Manufacture of photographic and optical goods.	..	..	308.7	102.9
74	382	Manufacture of watches and clocks ..	206.9	253.6	25.5	162.0
75	387	Manufacture of stationery articles n.e.c.	32.8	25.5	1.0	19.8
76	389	Manufacture of miscellaneous products n.e.c.	..	..	..	..
<i>III. Electricity.</i>						
77	400	Electricity generated	197.2	192.5	198.2	196.0
		General index	191.2	184.9	203.3	193.1



V. HANDLOOM

The production of handloom cloth in Tamil Nadu during the quarter ended December 1980 was estimated 169,840,000 meters as against 168,126,000 meters during the previous quarter, registering an increase of 1.02 per cent.

Considering the rate of increase during the quarter under review and the previous quarter it is presumed that the industry is well set in motion during the year.

Among the different varieties of cloth produced saree accounted for 32.21 per cent and dhoties, towels and lungies for 11.05 per cent, 22.21 per cent and 18.68 per cent respectively. The remaining 25.85 per cent of the production was shared by shirting, bedspreads, carpets, gada etc.,

Out of the total production, cotton fabrics have accounted for 87.61 per cent followed by Artsilk, mixture of cotton and artsilk and silk fabrics with 6.17 per cent, 5.33 per cent and 0.89 per cent respectively.

5.1 PRODUCTION OF HANDLOOM CLOTH.

		,000' Meters		
Variety of Cloth.		Quarter ended June 1980.	Quarter ended September 1980.	Quarter ended December 1980.
(1)		(2)	(3)	(4)
A. Cotton	1. Dhoties	21,252	18,000	18,605
	2. Sarees	34,089	36,804	35,460
	3. Towels	36,286	39,430	37,714
	4. Handkerchiefs	805	851	842
	5. Lungies	12,242	12,908	14,568
	6. Bedspreads	9,084	8,207	8,392
	7. Angavastrams	1,968	2,064	1,982
	8. Shirtings	6,466	5,424	5,805
	9. Coatings	282	195	365
	10. Gada*	6,324	6,877	6,806
	11. Carpet	8,695	9,269	11,343
	12. Curtain Cloth	933	1,014	959
	13. Pillow Cover	1,265	1,371	1,297
	14. Pavadai and Dhavani	2,052	2,222	2,105
	15. Others	2,505	2,703	2,557
Total ..		1,44,248	1,47,339	1,48,800
B. Silk	1. Dhoties	142	149	140
	2. Sarees	1,033	1,156	1,236
	3. Angavastrams .. .. .	..	..	..
	4. Pavadai and Dhavani	78	69	68
	5. Others	20	49	69
Total ..		1,273	1,423	1,513
C. Art-Silk	1. Dhoties	73	50	24
	2. Sarees	9,317	8,997	9,068
	3. Lungies	338	128	177
	4. Pavadai and Dhavani	53	30	23
	5. Others	670	1,178	1,192
Total ..		10,451	10,383	10,484
D. Mixture of Art Silk and Cotton	1. Dhoties	180	..	..
	2. Sarees	8,402	8,858	8,939
	3. Others	204	123	104
Total ..		8,786	8,981	9,043
Grand Total ..		1,64,758	1,68,126	1,69,840

VI. JOINT STOCK COMPANIES.

During the Quarter ended March 1981 public and 130 private companies were newly registered as against 6 public and 108 private companies during the previous Quarter.

The total authorised capital of newly registered public and private companies during the quarter ended March 1981 was Rs 1,651.65 lakhs as against Rs 846.50 lakhs during the previous quarter.

During the quarter under review as well as during the previous quarter, 4 companies went into liquidation.

6.1 NEW REGISTRATION AND LIQUIDATION OF JOINT STOCK COMPANIES.

Month (1)		New Registration.					
		Number of companies			Authorised Capital		
		Public	Private	Total	Public	Private	Total
		(2)	(3)	(4)	(5)	(6)	(7)
(Rupees in Lakhs)							
January 1981	.. .. .	4	38*	42	90.50	403.25	493.75
February 1981	.. .. .	2	49	51	350.00	322.20	672.20
March 1981	.. .. .	2	43**	45	60.00	425.70	485.70
Total	..	8	130	138	500.50	1,151.15	1,651.65

* Includes two guarantee companies.

** includes one guarantee company.

		Liquidation.					
		Number of companies.			Authorised Capital.		
		Public.	Private.	Total.	Public.	Private.	Total.
		(8)	(9)	(10)	(11)	(12)	(13)
(RUPEES IN LAKHS)							
January 1981	.. .. .	1	3	4	20.00	12.00	32.00
February 1981	.. .. .	..	..	..	..	..	..
March 1981	.. .. .	..	..	..	..	..	..
Total		1	3	4	20.00	12.00	32.00

6.2 INDUSTRIAL BREAK UP OF NEW REGISTRATION OF JOINT STOCK COMPANIES

Industrial breakup.	(1)	Number of companies.			February 1981.		
		January 1981.			Public.	Private.	Total.
		Public.	Private.	Total.			
	(2)	(3)	(4)	(5)	(6)	(7)	
1 Agriculture and allied activities.	..	..	..	..	2	2
2 Mining and quarrying ..	..	1	1	..	..	..
3 Processing and manufacture of food stuff, textile, leather and product thereof.	1	7	8	..	12	12	
4 Processing and manufacture not elsewhere classified.	..	5	5	..	4	4	
5 Construction and utilities ..	..	..	..	..	..	..
6 Commerce (trade and finance.)	2	9	11	..	14	14	
7 Processing and manufacture metal, chemical and products thereof.	1	9	10	1	12	13	
8 Transport and Communication services.	..	1	1	1	2	3	
9 Community and business service.	..	3	3	..	3	3	
10 Personal and Other Services	..	3	3	..	..	..
Total ..	4	38	42	2	49	51	

Industrial breakup.	(1)	Number of companies.			Authorised capital (RUPEES IN LAKHS).		
		March 1981.			January 1981.		
		Public.	Private.	Total.	Public.	Private.	Total.
	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1 Agriculture and allied activities.	..	..	..	..	..	..	..
2 Mining and quarrying ..	..	..	..	..	5.00	5.00	..
3 Processing and manufacture of food stuff, textile, leather and product thereof.	1	14	15	60.00	157.00	217.00	..
4 Processing and manufacture not elsewhere classified.	..	6	6	2.50	43.50	46.00	..
5 Construction and utilities ..	..	..	..	..	55.00	55.00	..
6 Commerce (trade and finance.)	1	11	12	..	..	..	..
7 Processing and manufacture metal, chemical and products thereof.	..	5	5	..	25.00	25.00	..
8 Transport and Communication services.	..	1	1	28.00	40.25	68.25	..
9 Community and business service.	..	4	4	..	2.50	2.50	..
10 Personal and Other services	..	1	1	..	75.00	75.00	..
Total ..	2	43	45	90.50	403.25	493.75	..

6.2—*contd.*

<i>Industrial break-up.</i>	<i>Authorised capital</i>			<i>(RUPEES IN LAKHS.)</i>		
	<i>February 1981.</i>			<i>March 1981.</i>		
(1)	<i>Public.</i>	<i>Private.</i>	<i>Total.</i>	<i>Public.</i>	<i>Private.</i>	<i>Total.</i>
	(14)	(15)	(16)	(17)	(18)	(19)
1 Agriculture and allied activities.	..	15.00	15.00	..	..	..
2 Mining and quarrying ..	..	..	..	..	4.50	4.50
3 Processing and manufacture of food stuff, textile, leather and product there of.	..	110.50	110.50	50.00	258.00	308.00
4 Processing and manufacture metal, chemical and products there of.	300.00	94.50	394.50	..	61.00	61.00
5 Processing and manufacture	50.00	26.00	70.00	..	36.00	36.00
6 Construction and utilities	..	..	26.00	..	..	..
7 Transport and Communi- cation services.	..	20.00	40.20	..	5.00	5.00
8 Commerce (trade and finance).	..	20.00	..	10.00	33.20	43.20
9 Community and business service.	..	16.00	16.00	..	3.00	3.00
10 Personal and Other services	..	..	..	..	25.00	25.00
Total ..	350.00	322.20	672.20	60.00	423.70	483.70

सत्यमेव जयते

VII. ELECTRICITY.

GENERATION CONSUMPTION AND RURAL ELECTRIFICATION.

During the quarter ended March 1981 the generation of Electricity was 1905 million units as against 2,026 million units during the previous quarter.

The total consumption of electricity increased/decreased from 2,282 million units during the quarter ended September 1980 to 2,120 million units during the quarter ended December 1980.

During the quarter ended March 1981 10 new villages and hamlets were electrified and 7,916 agricultural pumpsets were energised.

7.1 GENERATION OF ELECTRICITY—QUARTER ENDED 31st MARCH 1981

<i>Serial number and name of the Power House.</i>				<i>Units Generated.</i>			<i>Used on Auxiliaries.</i>		<i>Net units.</i>		
(1)				(2)			(3)		(4)		
1	Pykara	..	..	104	568	400	269	644	104	298	756
2	Moyar	..	..	42	208	300	129	160	42	079	140
3	Mettur	..	..	20	614	590	387	415	20	227	175
4	Mettur Tunnel	..	..	47	615	000	256	110	47	358	890
5	Papanasam	..	..	18	817	000	119	400	18	697	600
6	Periyar	..	..	57	829	000	394	240	57	434	760
7	Kundah I	..	..	98	791	000	171	000	298	620	000
8	Kundah II	..	..	231	642	000	197	200	131	444	800
9	Kundah III	..	..	132	837	000	580	800	32	256	200
10	Kundah IV	..	..	22	130	400	65	426	22	064	974
11	Sarkarpathy	..	..	46	918	900	25	688	46	893	212
12	Kundah V	..	..	23	741	000	74	110	23	666	890
13	Aliyar	..	..	16	282	000	65	520	16	216	480
14	Kodayar I	..	..	28	326	000	79	200	28	246	800
15	Kodayar II	..	..	8	694	000	42	300	8	651	700
16	Suruliar	..	..	2	573	000	33	043	2	539	957
17	Sholayar I	..	..	63	193	800	171	626	63	022	174
18	Sholayar II	..	..	13	070	000	48	220	13	021	780
19	M. E.S. (Gen) BBPH	..	..	79	468	580	11,300	290	68	168	290
20	Ennore	..	..	468	283	000	61,739	100	406	543	900
21	I.T.P.S.	..	..	377	595	000	36,933	000	340	662	000
Total				1,905	197	970	113,082	492	1,792	115	478

7.2 POWER PURCHASED—QUARTER ENDED 31st MARCH 1981

(In Million Unit)

<i>Serial number and sources.</i>	<i>Import.</i>	<i>Export.</i>
(1)	(2)	(3)
1 Neyveli Lignite Corporation	612.722	..
2 Kerala State Electricity Board .. .	244.563	..
3 Andhra Pradesh Electricity Board .. .	1.466	0.053
4 Karnataka Electricity Board .. .	26.403	40.188
5 Madras Refineries.	2.369	..
Total ..	887.523	40.241

7.3 CONSUMPTION OF ELECTRICITY.

<i>Serial number and Category.</i>	<i>During the quarter ended September 1980.</i>	<i>During the quarter ended December 1980.</i>
(1)	(2)	(3)
1 Domestic	199.855	196.644
2 Commercial	126.323	123.866
3 Industrial	1,128.788	1,116.482
4 Public Lighting	18.106	20.067
5 Agriculture	590.751	481.313
6 Water Works	21.737	22.213
7 Sales to Licenses	51.344	53.074
8 Sales to other States	95.278	55.937
9 Miscellaneous	49.845	50.637
Total ..	2,282.027	2,120.233

7.4 RURAL ELECTRIFICATION.

<i>Serial number and particulars.</i>	<i>As on 31st December 1980.</i>	<i>During 1st January 1981 to 31st March 1981.</i>	<i>As on 31st March 1981.</i>
(1)	(2)	(3)	(4)
1 Number of Towns, Villages and Hamlets Electrified.	63,463	10	63,473
2 Number of Pump sets connected ..	9,12,146	7,016	9,19,162

VIII. HOUSING

CONSTRUCTION ACTIVITY OF TAMIL NADU HOUSING BOARD

The total number of houses/flats/apartments/tenements/under construction by the Tamil Nadu Housing Board under different housing schemes during the quarter ended 31-12-80 was 3,364. During the quarter under report 31-12-80, 1097 houses/flats/apartments/tenements were completed. Since inception of the scheme (i. e.) from 21-4-1961 upto the quarter ended 31-12-80 an aggregate number of 62,860 houses/flats/apartments/tenements were completed.

8.1 HOUSES CONSTRUCTED BY THE TAMIL NADU HOUSING BOARD UNDER DIFFERENT SCHEMES.

Serial Number.	Name of the scheme.	Number of houses/flats/tenements/apartments provisional.	
		Completed since 21st April 1961 to the quarter ended 31st December 1980.	Under construction during the quarter ended 1980.
(1)	(2)	(3)	(4)
1. Low Income group Housing		13,774	800
2. Middle Income Group Housing		8,461	297
3. Tamil Nadu Government Rental Housing		10,875	89
4. Subsidised Industrial Housing		2,494	..
5. Slum Improvements/Clearance		15,316	..
6. Deposit Works .. .. .		..	..
7. Special Low Cost Housing Scheme/E.W.S.		11,224	2,178
8. Ancillary .. .. .		..	..
9. Police		716	..
	Total	62,860	33,64

Construction activity of Tamil Nadu Slum Clearance Board.—Up to the end of September 80 construction of 4,432 houses/flats/apartments/tenements was in progress under slum improvement/Clearance scheme by Tamil Nadu Slum Clearance Board.

Since inception (i.e.) September '70 upto quarter ended 30-9-80 houses/flats/apartments/tenements numbering 36,244 were completed.

8.2 HOUSES CONSTRUCTED BY TAMIL NADU SLUM CLEARANCE BOARD.

Serial number and name of the Scheme.	Number of houses/flats/tenements apartments.	
	Completed since inception September 1970 to 30th September 1980.	Under construction during the quarter ended 30th September 1980.
(1)	(2)	(3)
1 Slum Improvement/Clearance	36,244	4,432

BUILDING APPLICATIONS SANCTIONED BY THE CORPORATION OF MADRAS

During the quarter ended December, 1980, number of permits sanctioned for construction of building in Madras City by the Corporation of Madras was 2,015 as against 1,451 during the corresponding quarter in 1979.

8.3 NUMBER OF PERMITS SANCTIONED FOR CONSTRUCTION OF BUILDINGS IN PUBLIC AND PRIVATE SECTORS IN MADRAS CITY.

Serial number and month. (1)	Year.	
	1979. (2)	1980. (3)
1. October	373	634
2. November	415	573
3. December	663	808
Total ..	1,451	2,015

Index number of Building Cost in Madras City.—The Index Number of Building Cost in Madras City for the quarter ended December 1980 rose to 280 registering an increase of 10 points from 270 during the previous quarter. All round increase in the prices of building materials such as bricks and tile products, stone and quarry products, Cement and lime, Iron and Steel materials, Ancillary materials, electrical fittings, and sanitary wares etc. have contributed to the upward trend in the index. The prices of timber and wages paid to the skilled labour remained unchanged during the quarter under review.

8.4 INDEX NUMBER OF BUILDING COST IN MADRAS CITY.

(Base year 1971—1972=100)

Serial number and Group. (1)	Weightage proportional to the total cost. (2)	Group Index for the quarter ended.	
		30th Septem- ber 1980. (3)	31st Decem- ber 1980. (4)
1. Building Materials	67.25	270.96	282.79
2. Building Labour	16.82	373.20	373.20
3. Other charges	15.93	260.43	268.19
Total ..	100.00	286.48	295.67
Index number of Building Cost in Madras City ..	100	286	296

IX. TRANSPORT.

NEW REGISTRATIONS OF MOTOR VEHICLE.

During the quarter ended December '80 the total number of newly registered motor Vehicles in Tamil Nadu was 10,462 as against 10,511 during the previous quarter.

The decrease in the new registrations during the quarter ended December '80 was due to fall in registrations of almost all the categories of vehicles excepting in motors cycles, scooters, mopeds and private cars.

9.1 REGISTRATIONS OF MOTOR VEHICLES.

Serial Number.	Category of Vehicles.	Quarter ended	
		September '80.	December '80.
(1)	(2)	(3)	(4)
1.	Motor Cycles, Scooters and Mopeds ..	7,150	7370
2.	Private Cars ..	586	612
3.	Jeeps and Station Wagons ..	204	195
4.	Taxis ..	221	214
5.	Other contract carriages (Auto rickshaws) ..	371	340
6.	Buses ..	488	396
7.	Goods Vehicles ..	754	676
8.	Others ..	737	659
Total ..		10,511	10,462

X PRICES.**WHOLESALE PRICES OF SELECT COMMODITIES.**

When compared with the monthly average wholesale prices which prevailed during the month of December, 1930, the monthly average wholesale prices of the following commodities declined during the month of March, 1931 and the percentage of fall in prices were shown in brackets :

Wheat (2·8), Redgram dhall (3·1), Cane Jaggery II Sort (14·4), Palm Jaggery (9·8) Sugar (0·1) Coconut Oil (14·2), Coir yarn (3·5), Tanned Cow Hides (21·4), and Tanned Sheep skins (8·3).

The monthly average wholesale prices of the following commodities showed an upward trend during the month of March 1931 and percentage of increase in prices were shown in brackets :

Paddy I Sort (6·8), Paddy II Sort (12·1), Rice I Sort (5·0), Rice II Sort (12·4), Cholan (21·3), Cambu (33·3), Ragi, (22·5) Turmeric (11·9), Chillies (52·2), Pepper (9·3), Groundnut pods (2·0), Groundnut kernels (7·9), Gingelly seed (6·9), Castor seed (7·6), Gingelly oil (3·9), Groundnut oil (12·2), Ghee (2·5), Cashewnut (4·7), Alcanut (4·2), Cotton Lint M.C.U. 5 (5·8), Tobacco (7·8), Cotton seed (13·7) and Tanned Goat skins (2·9).



सत्यमेव जयते

10-1 MONTHLY AVERAGE WHOLESALE PRICES OF SELECT COMMODITIES.

Serial. number	Commodity.	Unit.	April 80.	May 80.	June 80.	July 80.	August 80.	Sept. 80.	Oct. 80.	Nov. 80.	Dec. 80.	Jan. 81.	Feb. 81.	March 81.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)
1.	Paddy I Sort	Quintal	120-13	121-83	126-11	139-26	142-88	143-41	143-19	144-62*	144-59	144-59	157-07	154-44
2.	Paddy II Sort	"	@121-13	@122-05	123-74	137-08	140-39	134-67	120-69	133-67*	140-28	148-8(@	156-19	157-21@
3.	Rice I Sort	"	201-10	R203-00	R209-88	225-14	232-38	232-71	239-68	254-95*	253-45	246-33	272-77	266-07
4.	Rice II Sort	"	190-71	191-58	195-81	211-75	217-27	213-40	203-19*	211-85	223-06*	227-57	254-31	250-65
5.	Wheat	"	177-19	173-80	178-63	188-33	180-10	192-56	199-05*	205-94*	213-50	202-50	204-38	207-50
6.	Cholam	"	123-53	118-24	113-33	115-37	114-85	R111-50	114-98	120-35*	135-09	138-05	161-50	164-26
7.	Cumbu	"	139-44	127-29	118-62	115-67	112-39	112-19	111-53*	119-76	127-13*	130-83	170-41	169-54
8.	Ragi	"	116-18	111-65	113-33	121-47	124-07	128-22	129-76	136-16*	14-77*	14-44-96	172-16	174-93
9.	Redgramdhall	"	446-98	437-90	439-74	448-40	451-05	455-70	509-14	527-38	504-68	489-94	493-85	488-58
10.	Turmeric	"	342-50	321-60	315-75	293-25	247-20	238-25	234-60	268-30	282-25	267-2	277-00	315-50
11.	Chillies	"	539-64	523-07	556-29	582-83	590-56	555-84	544-03	524-24	519-24	571-80	723-12	750-15
12.	Pepper	"	1575-00	1536-00	1,500-00	1,537-50	1,545-00	1,575-00	1,600-00	1,600-00	1,675-00	1,770-00	1,775-00	1,831-25
13.	Cane Jaggery II Sort	"	260-46	231-10	304-06	355-10	363-05	390-62	417-78*	387-06*	342-96	297-20	300-70	293-71
14.	Palm Jaggery	"	340-03	360-70	358-71	390-16	422-88	R460-47	520-36	520-19	539-26	526-62	491-61	486-70
15.	Sugar	"	556-61	547-85	549-18	689-38	764-42	R245-00	N.T.	822-17	715-89	693-16	706-86	715-33
16.	Groundnut (peds)	"	322-92	280-43	292-34	342-13	332-42	307-23	320-50	314-12*	378-64	386-22	1,439-69	386-250.
17.	Groundnut (kernals)	"	390-46	400-61	424-08	480-14	477-06	R431-28	465-91*	487-15*	510-63	569-20	598-79	551-04
18.	Gingelly Seed	"	600-24	635-88	547-31	548-07	512-72	R466-25	477-34*	498-05*	528-75*	560-78	610-18	565-09
19.	Castor Seed	"	260-83	266-80	278-67	297-50	291-33	297-33	304-43*	296-65	305-97*	330-24	331-65	329-33
20.	Coconut (unhusked)	1000 Nuts.	N.T.	1,294-12	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.
21.	Gingelly Oil	10 Kg.	132-38	137-48	115-22	123-10	114-18	103-76	108-95*	114-86	119-16	116-96	124-07	123-01
22.	Groundnut Oil	"	92-26	91-90	95-11	105-37	105-51	112-56	106-04*	109-50	111-23	122-52	133-73	124-75
23.	Coconut Oil	"	138-78	146-68	156-43	168-31	169-22	176-23	184-91*	201-30*	180-78*	183-43	173-88	155-18
24.	Ghee (ungraded)	Quintal	2,266-00	2,271-88	2,328-13	2,328-13	2,303-13	2,366-05R	2,456-88	2,577-08	2,535-63	2,535-63	2,595-00	2,578-75
25.	Cashewnut (With shel	"	799-11	784-38	804-81	824-66	859-95	876-20R	911-49	985-42*	993-75*	1,000-00	1,010-50	1,040-41
26.	Arcanaut (husked)	"	1,460-24	1,392-85	1,509-02	1,582-41	1,410-81	1,411-91	1,441-45	1,560-70	1,471-55	1,421-12	1,505-66	1,533-55
27.	Cotton Lint-MCU 5	"	1,280-54	1,278-74	1,321-31	1,354-59	1,303-92	1,401-71	1,216-22	1,431-28	1,535-82	1,669-06	1,615-56	1,625-26
28.	Tobacco	"	650-31	690-53	694-66	687-95	668-21	662-83	589-24	585-57	612-63	634-55	664-72	660-11
29.	Coir yarn	"	371-77	371-77	375-21	379-79	377-78	269-18	381-06	369-19	370-44*	370-32	376-57	357-50
30.	Cotton Seed	"	170-86	171-46	178-41	181-61	184-51	178-89	173-59*	179-91	197-49	206-74	218-67	224-55
31.	Tanned Cow Hides	Kg.	26-00	26-00	27-00	27-25	28-00	28-00	28-00	28-00	28-00	28-00	28-00	22-00
32.	Tanned Goat skin	"	116-67	119-67	121-67	124-08	126-33	126-33	126-33	126-33	126-33	125-93	127-33	130-00
33.	Tanned sheep skins	"	143-33	148-93	152-67	157-08	163-33	160-00	160-00	160-00	160-00	160-00	160-00	146-67

NOTE: R—Revised figures.

② Due to good demand for paddy II sort the price of paddy II sort was higher than that of Paddy I sort.

* Due to good demand for rice II sort the price of II sort rice was higher than that of I sort rice.

10.2 ANNUAL AVERAGE WHOLE SALE PRICES OF SELECT COMMODITIES.

Serial number.	Comm.	Unit.	1975-76.	1976-77.	1977-78.	1978-79.	1979
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1.	Pady I Sort	.. Quintal	146.85	110.95	110.00	102.17	116.01
2.	Pady II Sort	.. "	137.78	103.34	103.63	100.90	115.63
3.	Rice I Sort	.. "	249.88	182.93	185.94	170.52	198.14
4.	Rice II Sort	.. "	225.94	169.45	171.64	160.65	185.87
5.	Wheat	.. "	216.94	188.93	179.59	166.75	174.21
6.	Cholam	.. "	151.82	127.15	122.04	92.58	105.72
7.	Cumbu	.. "	152.81	119.00	118.01	88.28	102.13
8.	Ragi	.. "	136.32	107.32	111.13	87.13	101.40
9.	Redgram dhall	.. "	254.87	242.98	400.02	463.40	465.68
10.	Turmeric	.. "	336.78	428.89	760.30	807.66	419.52
11.	Chillies	.. "	1,230.80	636.99	731.34	746.37	630.50
12.	Pepper	.. "	1,328.94	1,763.75	1,917.36	1,971.92	1,816.85
13.	Cane Jaggery II Sort	.. "	226.42	211.39	166.13	130.87	212.02
14.	Palm Jaggery	.. "	272.59	267.79	223.47	373.11	285.33
15.	Sugar	.. "	436.97	455.06	379.88	262.91	342.99
16.	Groundnut (with shell)	.. "	188.51	216.86	273.29	217.41	278.39
17.	Groundnut (without shell)	.. "	291.58	317.06	373.30	303.06	395.91
18.	Gingelly seeds	.. "	346.70	397.68	408.89	362.78	443.83
19.	Castor seeds	.. "	153.17	231.39	252.17	196.83	230.83
20.	Coconut (unhusked)	.. 1000 Nuts	913.46	1,091.73	1,087.17	1,050.00	833.33
21.	Gingelly oil	.. 10 kg.	77.46	84.60	88.58	74.96	100.48
22.	Groundnut oil	.. "	65.14	71.32	81.83	57.32	90.91
23.	Coconut oil	.. "	84.88	109.92	112.68	124.27	132.16
24.	Ghee (Ungraded.)	.. Quintal	1,769.43	1,850.44	1733.61	2,379.92	2,280.49
25.	Cashewnuts (with shell)	.. "	312.47	425.99	763.31	604.43	678.88
26.	Arecanuts (husked)	.. "	812.66	975.10	1,046.49	1,067.71	1,126.83
27.	Cotton seeds	.. "	136.47	148.32	158.99	126.48	148.65
28.	Cotton lint	.. "	894.11	1,217.23	1,330.05	1,389.18	1,298.44
29.	Tobacco	.. "	951.19	927.83	837.60	745.04	579.04
30.	Coir yarn	.. "	208.44	215.38	236.07	252.21	356.51
31.	Tanned cow hides	.. Kg.	14.06	18.54	16.91	20.40	24.12
32.	Tanned goat skins	.. "	72.80	80.83	74.16	100.96	121.52
33.	Tanned sheep skins	.. "	86.16	103.63	66.43	128.55	157.22

RETAIL PRICES OF SELECT COMMODITIES.

When compared with the average retail prices that prevailed during the last month of the previous quarter (i.e.) December 1980, the monthly average prices of the following commodities recorded a downward trend in March 1981 :—

Redgram dh il (3.1 per cent), Cane jaggery (12.3 per cent), Palm jaggery (15.1 per cent), Sugar (1.7 per cent) Coconut husked (10.3 per cent), Ghee (3.6 per cent) and Coconut oil (17.2 per cent).

The retail prices of the following commodities recorded an upward trend.

Rice I sort (4.5 per cent), Rice II sort (9.7 per cent) Wheat, (5.6 per cent) Cholam (19.6 per cent), Gumbu (30.7 per cent), Ragi (23.4 per cent) Chillies (38.4 per cent), Turmeric (2.7 per cent), salt (8.0 per cent), Coriander (0.3 per cent), Groundnut oil (13.6 per cent) Gingelly oil (6.0 per cent) cotton seed (17.6 per cent), Areanut husked (5.1 per cent) and Tobacco (14.1 per cent).

The average retail prices of pepper and coir yarn remained unchanged during the quarter under review.



सत्यमेव जयते

10.3. MONTHLY AVERAGE RETAIL PRICES OF SELECT COMMODITIES.

Commodity.	Unit.	April 1980.	May 1980.	June 1980.	July 1980.	August 1980.	Sep. 1980.	Oct. 1980.	Nov. 1980.	Dec. 1980.	Jan. 1981.	Feb. 1981.	March 1981.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)
1. Rice I Sort	Quintal	217.00	220.00	227.00	243.00	244.00	244.00	252.00	268.00	265.00	258.00	284.00	277.00
2. Rice II Sort	"	203.00	204.00	207.00	222.00	228.00	224.00	217.00	229.00	237.00	241.00	267.00	260.00
3. Wheat	"	220.00	219.00	221.00	223.00	215.00	212.00	220.00	231.00	245.00	264.00	266.00	263.00
4. Cholan	"	134.00	139.00	125.00	125.00	127.00	123.00	125.00	116.00	143.00	147.00	173.00	171.00
5. Cumbu	"	147.00	138.00	131.00	130.00	122.00	128.00	129.00	133.00	145.00	142.00	181.00	183.00
6. Ragi	"	130.00	127.00	134.00	139.00	141.00	141.00	144.00	149.00	154.00	155.00	182.00	180.00
7. Redgram dhall	Gm.	4.91	4.83	4.83	4.90	4.92	5.04	5.42	5.02	5.45	5.32	5.33	5.28
8. Chillies	Quintal	650.00	618.00	628.00	657.00	664.00	656.00	639.00	616.00	628.00	651.00	819.00	867.00
9. Pepper	"	2,200.00	2,204.00	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00	2,200.00	2,100.00	2,150.00	2,200.00
10. Turmeric	"	472.00	478.00	500.00	413.00	338.00	350.00	355.00	422.00	475.00	475.00	488.00	418.00
11. Cane Jaggery	"	300.00	318.00	358.00	405.00	474.00	462.00	485.00	459.00	416.00	362.00	364.00	356.00
12. Palm Jaggery	"	358.00	317.00	367.00	420.00	463.00	459.00	546.00	551.00	641.00	602.00	558.00	544.00
13. Sugar	Kg.	5.73	5.70	5.67	6.97	7.50	8.90	N.T.	8.50	7.51	7.12	7.34	7.38
14. Salt	"	0.25	0.24	0.29	0.23	0.23	0.24	0.25	0.25	0.25	0.26	0.26	0.27
15. Coriander	Quintal	527.00	530.00	528.00	523.00	527.00	507.00	526.00	645.00	651.00	712.00	672.00	693.00
16. Coconut Husked	100 nuts.	129.00	123.00	120.00	140.00	146.00	148.00	150.00	173.00	165.00	155.00	153.00	141.00
17. Ghee (Agmark)	Kg.	23.50	23.50	25.00	25.00	25.80	27.75	30.00	26.75	28.00	27.00	26.25	27.00
18. Coir Yarn **	Quintal	313.00	313.00	314.00	321.00	330.00	330.00	331.00	334.00	338.00	338.00	338.00	338.00
19. Groundnut Oil	Kg.	10.00	9.84	10.18	11.33	11.24	10.93	11.26	11.64	11.74	12.18	14.19	13.34
20. Coconut Oil	"	14.77	15.46	16.34	17.64	18.01	18.41	19.37	21.38	21.67	20.74	18.94	17.11
21. Gingelly Oil	"	13.84	14.47	12.85	13.82	12.64	11.41	12.11	12.09	12.77	13.50	14.11	13.54
22. Cotton seed	Quintal	185.00	179.00	191.00	195.00	196.00	189.00	187.00	193.00	204.00	214.00	241.00	240.00
23. Aracanut (Husked)***	"	2,625.00	2,350.00	2,350.00	2,400.00	2,450.00	2,500.00	2,550.00	2,550.00	2,475.00	2,490.00	2,677.00	2,660.00
24. Tobacco	"	775.00	772.00	754.00	685.00	672.00	648.00	638.00	619.00	638.00	653.00	788.00	721.00

** Relates to Nagercoil and Kuzhithurai Centres only. *** Relates to Mettupalayam Centre only.
R=Revised.

10.4 ANNUAL AVERAGE RETAIL PRICES OF SELECT COMMODITIES.

Serial num- ber.	Commodity.	Unit.	1972-73.	1973-74.	1974-75.	1975-76.	1976-77.	1977-78.	1978-79.	1979-80.	1980-81.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1	Rice I sort	Quintal.	145.85	155.44	293.60	279.55	187.00	199.00	185.00	214.00	248.00
2	Rice II sort	"	115.22	122.88	267.68	243.51	180.00	182.00	171.00	198.00	229.00
3	Wheat	"	187.00	309.75	315.45	269.48	204.00	200.00	189.00	202.00	235.00
4	Cholam	"	87.96	95.79	203.40	170.29	136.00	131.00	304.00	115.00	137.00
5	Cumbu	"	82.36	94.53	191.30	159.45	127.00	125.00	101.00	111.00	141.00
6	Ragi	"	81.15	95.79	189.11	155.81	119.00	123.00	102.00	116.00	148.00
7	Redgram dhall	Kg.	2.44	2.59	3.44	2.82	2.72	4.34	5.06	4.54	5.15
8	Chillies	Quintal.	364.61	485.09	737.66	1,303.77	727.00	845.00	846.00	715.00	670.00
9	Pepper	"	759.09	807.00	1,217.59	1,362.61	2,010.00	2,288.00	2,216.00	2,207.00	2,196.00
10	Turmeric	"	353.18	508.04	478.88	427.95	494.00	849.00	945.00	545.00	427.00
11	Cane Jaggery	"	165.17	168.13	176.46	245.51	237.00	193.00	164.00	250.00	360.00
12	Sugar	Kg.	3.58	3.70	4.58	4.58	4.65	3.93	2.33	3.53	6.95
13	Salt	"	0.12	0.12	0.15	0.16	0.16	0.19	0.22	0.23	0.25
14	Coriander	Quintal.	274.46	300.22	379.77	449.33	710.00	671.00	379.00	346.00	587.00
15	Coconut (Unhusked)	1,000 Nuts.	580.00	1,175.00	1,300.00	814.90**	1,030.00**	1,030.00**	1,160.00**	1,200.00**	1,470.00**
16	Ghee (Agmark)	Kg.	14.50	18.10	18.95	20.78	22.71	22.10	24.16	24.33	26.49
17	Palm Jaggery	Quintal.	255.73	207.81	236.88	319.15	318.00	291.00	246.00	327.00	489.00
18	Coir Yarn	"	145.50	155.94	221.99	244.57	232.00	273.00	235.00	301.00	328.00
19	Groundnut Oil	Kg.	5.07	7.81	8.02	6.76	7.65	8.72	7.23	9.68	11.54
20	Coconut Oil	"	7.50	11.70	12.95	9.47	12.14	12.38	13.24	14.09	18.20
21	Gingelly Oil	"	6.44	8.39	9.15	8.22	8.93	9.40	7.93	10.50	13.18
22	Cotton seed	Quintal.	97.92	145.55	155.56	141.93	155.00	171.00	143.00	169.00	201.00
23	Arachnut	1,000 Nuts.	N.T.*	130.00*	N.T.*	712.50*	712.50*	1,525.00*	1,845.00*	2,440.00*	2,462.00*
24	Tobacco	Quintal.	619.88	530.50	597.16	4,117.70	1,163.00	952.00	908.00	594.00	696.00

* Rate per 1,000 nuts (unhusked).

* Rate per Quintal for Husked nuts.

R—Revised.

** Husked.

INDEX NUMBERS OF WHOLESALE PRICES.

(1970—71 = 100)

During the quarter ending 31-3-81, the Index for primary Articles group moved up by 6.88 per cent to 260.25 from 243.50 in the previous quarter. The sub-group index for the "Food Articles", "Non-Food Articles" and 'Minerals' also advanced to 256.25, 264.74 and 310.42 respectively.

The group index for "Fuel, Power and Light" moved to 297.05 from its previous quarters level of 275.30 registering an increase of 8.23 per cent.

The group Index for "Manufactured products" advanced to 241.49 in the current quarter as against 231.89 in the previous quarter registering an increase of 4.14 per cent.



105 INDEX NUMBERS OF WHOLESALE PRICES.
(1970=71=100.)

Primary Articles Group

<i>Sl. No.</i>	<i>Group/ Month</i>	<i>Food Articles.</i>	<i>Non-food Articles.</i>	<i>Minerals.</i>	<i>primary Articles.</i>	<i>Fuel, power and light.</i>	<i>Manufactured products.</i>	<i>All Commodities.</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1.	April 1980	221.96	215.20	197.02	219.09	245.35	211.35	216.54
2.	May 1980	223.58	212.05	197.02	218.88	245.35	217.66	219.21
3.	June 1980	226.20	212.92	197.02	220.81	273.21	220.12	222.22
4.	July 1980	232.18	213.50	197.02	224.68	273.21	216.63	227.09
5.	August 1980	227.71	217.65	205.62	223.62	274.53	227.77	227.11
6.	September 1980	229.30	218.56	262.55	225.82	275.30	230.09	229.32
7.	October 1980	238.67	223.48	306.58	234.06	275.30	232.55	234.74
8.	November 1980	246.21	231.64	306.58	241.72	275.30	232.40	238.71
9.	December 1980	242.85	241.95	306.58	243.50	275.30	231.89	239.42
10.	January 1981	246.55	255.55	208.91	250.86	283.36	234.83	244.86
11.	February 1981	255.66	264.95	310.46	259.96	292.30	240.20	252.31
12.	March 1981	256.25	264.74	310.42	260.25	297.95	241.49	253.22



CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS

(Base : 1960=100.)

The Consumer Price Index number for March 1981, as compared to December 1980 increased in Madras City, Cuddalore, Coimbatore, Nagarcoll and Coonoor, while it declined in Tiruchirapalli and Madurai.

When compared with the index for December 1980, the index for March 1981 appreciated by 6 points in Madras City by 17 points in Cuddalore, by 24 Points in Coimbatore, by 13 points in Nagarcoll and by 10 points in Coonoor, while it eased by 4 points in Tiruchirapalli and by 5 points in Madurai.

10.6. CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS

(Base : 196 =100)

<i>Period.</i>	<i>Madras city.</i>	<i>Cuddalore.</i>	<i>Tiruchirapalli.</i>	<i>Madurai.</i>	<i>Coimbatore.</i>	<i>Nagarcoll.</i>	<i>Coonoor.</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1976	283	289	313	296	300	330	295
1977	306	310	335	328	317	344	312
1978	316	329	358	335	323	363	321
1979	341	352	375	361	353	401	348
1980	377	400	417	403	405	472	396
1980							
April	361	387	398	388	390	454	386
May	367	395	407	393	393	452	384
June	371	388	405	403	397	465	391
July	383	400	414	412	406	478	404
August	384	410	417	409	411	484	403
September	381	405	419	410	413	482	405
October	380	409	431	413	420	485	408
November	398	428	445	429	429	500	411
December	404	437	454	435	435	500	422
1981							
January	403	436	452	439	431	498	420
February	409	445	455	452	445	524	433
March	410	454	450	430	450	513	432

10.7. ALL INDIA AVERAGE CONSUMER PRICE INDEX NUMBER FOR INDUSTRIAL WORKERS.

(Base : 1960=100.)

<i>Period.</i>	<i>Index.</i>
1976	296
1977	321
1978	329
1979	350
1980	390
1980	
April	375
May	382
June	386
July	394
August	397
September	402
October	406
November	411
December	408
1981	
January	411
February	418
March	420

CONSUMER PRICE INDEX NUMBERS FOR URBAN NON-MANUAL EMPLOYEES

(Base: 1960 = 100.)

The Indices of March '81 have advanced in Madras, Madurai, and Tiruchirappalli 7, 8 and 22 points respectively when compared with that of December 1980 indices.

10·8 CONSUMER PRICE INDEX NUMBERS FOR URBAN NON-MANUAL EMPLOYEES

(Base : 1960 = 100.)

Period.	Madras.	Madurai.	Tiruchirappalli.
(1)	(2)	(3)	(4)
1976	292	285	282
1977	307	291	306
1978	319	299	314
1979	341	321	331
1980	378	362	365
1980			
April	364	344	350
May	369	353	352
June	373	355	358
July	380	365	363
August	384	367	369
September	385	370	370
October	389	380	380
November	397	388	390
December	405	392	392
1981			
January	405	396	396
February	411	400	413
March	412	400	414

INDEX NUMBERS OF RURAL PRICES (1970 — 71=100)

During the quarter under review the food Group Index moved up by 6·72 percent to 249·83 as against 234·09 in the last quarter.

The Group Index "Fuels and Lighting" also increased by 0·96 percent to 291·88 during the quarter ended 31st March 81 while it was 289·10 in the last quarter.

The Index for the Group "Clothing" also advanced to 224·25 from 220·58 registering an increase of 1·66 per cent.

The Group Index for the 'Miscellaneous' items moved to 242·50 from its last quarters level of 230·93 registering a rise of 5·01 percent.

On the whole the composite Index Number of Rural Prices in Tamil Nadu registered an increase of 5·87 per cent and stood at 250·64 during the quarter under review.

10.9. INDEX NUMBERS OF RURAL PRICES (1970 - 71 = 100)

<i>Month & year.</i> (1)	<i>Food.</i> (2)	<i>Fuel and Lighting.</i> (3)	<i>Clothing.</i> (4)	<i>Miscellaneous.</i> (5)	<i>Composite Index</i> (6)
1980					
April	205.72	261.64	207.16	214.75	210.22
May	206.04	258.33	208.90	217.72	210.59
June	210.29	260.46	213.31	224.82	214.94
July	223.55	270.58	215.93	224.88	226.35
August	219.58	271.92	217.76	226.33	223.48
September	220.89	277.16	220.36	222.72	224.22
October	224.29	280.64	221.16	229.29	228.25
November	229.43	285.20	223.05	230.74	232.87
December	234.09	289.10	220.58	236.93	236.74
1981					
January	235.74	290.18	219.69	234.02	238.33
February	247.56	291.26	222.49	237.39	248.27
March	249.83	291.88	224.23	242.50	250.64

10.10 INDEX NUMBER OF PARITY.

(Base Year : 1954-55=100)

<i>Months.</i> (1)	<i>Index number of prices received by the farmer.</i> (2)	<i>Index number of prices paid by the farmer.</i> (3)	<i>Index of parity.</i> (4)
1980			
April	440	651	68
May	448	661	68
June	473	691	68
July	513	697	74
August	488	696	70
September	481	702	68
October	472	715	66
November	493	730	67
December	513	733	70
1981			
January	559	739	76
February	587	740	79
March	568	745	76

XI. TRADE.

The total value of foreign trade through ports in Tamil Nadu during the quarter ended 30th September 1980 was of the order of Rs. 403.4 crores of which exports amounted for Rs. 146.4 crores and imports Rs. 257.0 crores. As compared to the corresponding quarter of the previous year exports fell by 26.4 per cent and the imports showed a decrease of 12.9 per cent.

11.1 IMPORTS AND EXPORTS.

(Rs. p. in lakhs.)

<i>Serial number and Name of the Port.</i>	<i>Exports.</i>	<i>Imports.</i>
(1)	(2)	(3)
1. Madras	6,758	1,3623
2. Cuddalore	13	1.9
3. Nagapatnam	2.2	48
4. Tuticorin	1,468	2,906
5. St. Thomas Mount (Airport)	6,197	8,997
6. Tiruchirappalli (Airport) .. .. .	..	..
	<hr/> 14,638	<hr/> 25,703

XII. LABOUR AND EMPLOYMENT.

During the quarter ended 31st March 1981, the number of persons who had registered their names with the Employment Exchange were 1,03,575 as against 1,24,187 in the previous quarter, showing a decrease of 16.60 per cent. The number of persons placed in employment through the Employment Exchanges during the quarter under review was 13,728 while it was 11,328 during the previous quarter registering an increase of 21.19 per cent.

The number of persons on the Live-Register at the end of the quarter ended 31st December 1980 and 31st March 1981 were 11,12,808 and 11,83,561 respectively.

12.1 REGISTRATION AND PLACEMENTS THROUGH THE EMPLOYMENT EXCHANGES BY DISTRICTS.

Serial number and district.	Number of persons on the Live Register.				Registrations during the quarter ended.				Placements during the quarter ended.			
	December 1980.		March 1981.		December 1980.		March 1981.		December 1980.		March 1981.	
	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
1. Madras	..	1,98,567	2,24,926	+ 13.27	17,769	17,550	-- 1.23	2,249	3,398	+ 51.09	3,398	+ 51.09
2. Chengalpattu	..	89,198	1,08,392	+ 21.52	9,192	9,860	+ 7.27	612	627	+ 2.45	627	+ 2.45
3. South Arcot	..	77,251	86,060	+ 11.40	9,493	10,060	+ 5.97	502	816	+ 62.55	816	+ 62.55
4. North Arcot	..	56,511	71,059	+ 25.74	9,357	8,692	-- 7.11	649	875	+ 34.82	875	+ 34.82
5. Salem	70,335	71,548	+ 1.72	6,327	6,107	-- 3.13	954	770	-- 19.10	770	-- 19.10
6. Dharmapuri	..	46,305	41,620	+ 10.78	3,960	3,252	-- 17.88	567	635	+ 11.99	635	+ 11.99
7. Coimbatore	..	75,568	76,622	+ 1.40	6,166	4,533	-- 26.48	569	505	-- 11.25	505	-- 11.25
8. Tiruchirappalli	..	77,998	88,934	+ 14.02	11,039	6,280	-- 41.11	575	631	+ 9.74	631	+ 9.74
9. Pudukkottai	..	21,373	21,322	-- 0.24	2,567	2,745	-- 12.54	190	230	+ 21.05	230	+ 21.05
10. Thanjavur	..	96,031	77,390	-- 20.08	9,460	6,974	-- 26.28	763	1,704	+ 57.80	1,704	+ 57.80
11. Madurai	..	75,925	80,511	+ 6.04	11,338	8,210	-- 27.59	1,777	763	-- 59.16	763	-- 59.16
12. Ramanathapuram	..	50,627	51,891	+ 2.50	10,613	5,330	-- 46.77	761	728	-- 4.24	728	-- 4.24
13. Tirunelveli	..	70,835	70,452	-- 0.54	8,229	5,846	-- 28.96	711	1,375	+ 93.30	1,375	+ 93.30
14. The Nilgiris	..	30,839	30,811	-- 0.09	1,629	3,380	+ 107.49	569	522	+ 94.05	522	+ 94.05
15. Kanniyakumari	..	48,194	49,316	+ 2.33	3,393	2,273	-- 33.01	310	242	-- 24.57	242	-- 24.57
16. Periyar	31,451	32,692	+ 3.95	4,255	2,898	-- 31.89	560	407	-- 27.32	407	-- 27.32
STATE	..	11,12,808	11,83,561	+ 6.36	1,24,187	1,03,575	-- 16.60	11,328	13,728	+ 21.19	13,728	+ 21.19

PLANTATION LABOUR.

As on 31st December 1980, there were 317 Plantations registered under the Plantations Act in Tamil Nadu comprising of 137 Tea, 148 Coffee, 28 Rubber and 4 Cinchona. Out of these, 239 estates reported statistics relating to employment and their earnings during this quarter. These comprised of 111 Tea, 101 Coffee, 25 Rubber and 2 Cinchona estates. As at the end of the corresponding quarter in the previous year there were 321 plantations of which 141 were Tea Estates, 143 Coffee, 31 Rubber and 6 Cinchona. Of these 243 reported statistics. These comprised of 112 Tea estates, 100 Coffee, 29 Rubber and 2 Cinchona.

Tea Plantations :—The total number of workers employed in Tea Plantations as at the end of the quarter under review was 62,028. Out of them 54,386 or 87.68 per cent were permanent workers. As at end of corresponding quarter in the previous year there were 57,000 workers. Of these permanent workers accounted for 51,887 or 90.08 per cent.

The average daily attendance of permanent workers in the quarter ended December, 1980 was 84.67% as against 83.74% during the quarter ended December '79. During the quarter under review, the average daily cash earnings earned by the permanent Garden Labourers were Rs. 9.60, Rs. 10.36 and Rs. 7.07 for Men, Women and Minor workers, whereas the same were Rs. 8.60, Rs. 8.74 and Rs. 5.74 respectively in the quarter ended December 1979. Similar details in respect of other Categories of Labourers are furnished in the Table.

Coffee Plantations :—As on 31st December 1980, 9,712 workers were employed in the Coffee plantations as against 8,628 workers in the quarter ended December '79. Of these 4,105 or 42.18% were Permanent workers in the current quarter as compared to 4,342 or 50% in the quarter ended December '79. Average daily attendance of permanent workers was 85.48% in the current quarter as against 85.85% during the quarter ended December 1979. Average daily cash earnings to the permanent Garden Labourers was Rs. 7.24 for Men, Rs. 7.24 for Women and Rs. 6.14 for Minors as against Rs. 6.93, Rs. 6.81 and Rs. 5.93 respectively in the quarter ended December 1979. Similar details in respect of other categories of labourers are furnished in the table.

Rubber Plantations :—1,497 workers were employed in Rubber Plantations in the quarter ended December 1980 as against 3,501 in the quarter ended December 1979. Of these, total permanent workers were 1,438 or 96.06% as compared to 1,350 or 39% in the quarter ended December '79. The average daily attendance of permanent workers was 87.55% as compared to 81.23% in the quarter ended December 1979.

During the quarter ended December '80, the average daily cash earnings earned by the permanent Garden labourers was Rs. 15.16 for men and Rs. 12.65 for women, whereas they were Rs. 16.01 and Rs. 12.80 respectively in December '79 quarter ended. Similar particulars in respect of other categories of workers are furnished in the Table.

Cinchona Plantations : During the quarter under review, 2,078 workers were employed in cinchona plantations as against 1,227 in the quarter ended December '79. Of the total workers 1,009 or 48.56% were permanent workers as compared to 694 or 56.56% in December '79. The average daily attendance of permanent workers are 1,009 or 90.38% in the current quarter, whereas it was 584 or 84.14% in the quarter ended December '79. Average daily cash earnings for permanent Garden labourers amounted to Rs. 8.61 for men, Rs. 8.58 for women and Rs. 4.57 for minors as against Rs. 7.33 and Rs. 7.41 for men and women workers respectively. Similar details in respect of other category of workers are furnished in the Table.

**12.2. PERCENTAGE OF AVERAGE DAILY ATTENDANCE OF
PERMANENT WORKERS IN PLANTATIONS.**

<i>Plantation.</i>	<i>31st December 1979.</i>			<i>31st December 1980.</i>		
	<i>Total number of per- manent workers</i>	<i>Average daily atten- dance.</i>	<i>Perce- tage.</i>	<i>Total number of perma- nent workers.</i>	<i>Average daily atten- dence.</i>	<i>Perce- tage</i>
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Tea	51,887	43.451	83.74	54,386	4,6053	85.67
2. Coffee	4,342	3,728	85.85	4,105	3,509	85.48
3. Rubber	1,453	1,098	81.33	1,438	1,259	87.55
4. Cinchona	694	584	84.14	1,009	912	90.38



सत्यमेव जयते

12.3 AVERAGE DAILY EARNINGS OF WORKERS IN PLANTATION.

Sl. No.	Category of plantation and Workers.	Gardeu.		Labour.		Outside Labour.		Garden.		Labour.		Outside.		Labour.	
		P Rs. P.	T Rs. P.	P Rs. P.	T Rs. P.	P Rs. P.	T Rs. P.	P Rs. P.	T Rs. P.	P Rs. P.	T Rs. P.				
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)	(14)	(15)	(16)
1.	TEA—														
	Men	8.60	7.48	7.46	7.37	9.60	10.34	10.42	8.43						
	Women	8.74	7.90	7.37	7.65	10.36	10.27	10.92	8.78						
	Minors	5.84	5.10	—	—	7.07	7.93	—	—						
2.	COFFEE—														
	Men	6.93	6.83	5.47	5.14	7.24	7.93	6.56	5.70						
	Women	6.81	6.30	5.49	4.98	7.24	8.19	6.04	5.62						
	Minors	5.93	2.73	—	3.11	6.14	2.84	—	3.81						
3.	RUBBER—														
	Men	16.01	10.46	15.85	10.27	15.16	15.73	16.11	16.04						
	Women	12.80	9.95	12.46	—	12.65	12.43	14.09	—						
	Minors	—	4.87	—	—	—	6.01	—	—						
4.	CINCHONA—														
	Men	7.33	6.80	—	6.50	8.61	—	—	7.64						
	Women	7.41	6.80	—	6.50	8.58	—	—	7.60						
	Minors	—	4.00	—	3.76	4.57	—	—	4.37						

P = Permanent
T = Temporary

**12.4 NUMBER OF PLANTATIONS REGISTERED AND NUMBER OF
PLANTATIONS THAT REQUESTED PARTICULARS.**

<i>Serial number.</i>	<i>Name of Plantation.</i>	<i>number of Estates Registered. As on 31st December '80.</i>	<i>Number of Estates Registered.</i>
(1)	(2)	(3)	(4)
1.	Tea	137	111
2.	Coffee	148	101
3.	Rubber	25	25
4.	Cinchona	4	2
	Total	<u>317</u>	<u>239</u>

**12.5 PERCENTAGE OF PERMANENT WORKERS TO TOTAL NUMBER OF
WORKERS IN PLANTATION.**

<i>Serial number.</i>	<i>Names of Plantation</i>	<i>As on December 1980</i>		<i>Percentage.</i>
		<i>Total No. of workers</i>	<i>Number of Permanent workers.</i>	
(1)	(2)	(3)	(4)	(5)
1.	Tea	62,028	54,386	88
2.	Coffee	9,732	4,105	42
3.	Rubber	1,497	1,438	96
4.	Cinchona	2,078	1,009	49
	Total	<u>75,335</u>	<u>60,938</u>	<u>81</u>

**12.6 PERCENTAGE OF TEMPORARY WORKERS TO TOTAL
NUMBER OF WORKERS IN PLANTATIONS.**

<i>Sl. No.</i>	<i>Names of Plantation.</i>	<i>As on 31st December ' 1980</i>		<i>Pe cen- tage.</i>
		<i>Total No. of workers.</i>	<i>Number of temporary workers.</i>	
(1)	(2)	(3)	(4)	(5)
1.	Tea	62,028	7,642	12
2.	Coffee	9,732	5,627	58
3.	Rubber	1,497	59	4
4.	Cinchona	2,078	1,069	51
	Total	<u>75,335</u>	<u>14,397</u>	<u>19</u>

XIII. LOCAL BODIES.

As on 31-3-79 there were 2 Corporations; 4 Special grade 10 Selection grade, 27 first grade, 34 Second grade 24 Third grade Municipal Councils and 8 Township committees in the State.

The Details of Area, Population facilities such as sanitation, Water-supply, Street Lighting and Roads together with the Financial position of Municipalities are given in the following tables.

13.1 AREA AND POPULATION OF MUNICIPAL BODIES.

<i>Sl. No.</i>	<i>Grades of the Municipalities.</i>	<i>No. of municipalities.</i>	<i>Area as per 1971 census Sq.Km.</i>	<i>Population 1971 census persons.</i>
(1)	(2)	(3)	(4)	(5)
1.	Corporation	2	148.92	30,18,563
2.	Special Grade	4	124.24	12,23,772
3.	Selection Grade	10	165.49	11,37,580
4.	First Grade	27	326.68	15,89,891
5.	Second Grade	34	476.80	13,78,737
6.	Third Grade	24	347.39	6,10,454
7.	Township Committees	8	135.14	2,06,169
Total for the State		109	1,724.66	91,65,166

13.2 SANITATION FACILITIES IN MUNICIPAL BODIES -1978-79.

Sl. No.	Grades of Municipalities	Total No. of houses	No. of houses with private		Provided Latrines.		No. of Private Latrines in use		Urinals (Public) only.	Public Baths,	length of Drainage in Kms.
			Flush-out.	Dry.	Flushout.	Dry.	Flushout.	Dry.			
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)		
1.	Corporations	2,32,710	1,84,874	8,955	857	95	81	523	1,576.6		
2.	Special Grade	2,09,414	45,065	86,254	161	327	32	8	440.6		
3.	Selection Grade	2,13,893	45,157	94,060	192	539	74	26	609.3		
4.	First Grade	3,23,517	44,327	1,57,365	216	521	124	114	753.4		
5.	Second Grade	3,13,164	21,275	1,17,706	95	409	111	16	813.7		
6.	Third Grade	1,55,466	9,025	40,102	46	175	89	1	240.2		
7.	Township Committees	53,307	13,427	9,755	92	95	25	2	14.5		
TOTAL		15,01,471	3,63,150	5,14,197	1,659	2,161	526	690	4,448.3		

सत्यमेव जयते

13.3 WATER SUPPLY IN MUNICIPAL BODIES 1978-79.

Serial number.	Grades of the Municipalities.	Length of pipe lines in operation in Km.	No. of houses connected till the end of the year.	No. of Public taps provided.	Water tax collection.	Other receipts.	Total running charges.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
(RS IN LAKHS)							
1.	Corporation	1494.00	1,23,528	9,719	105,62,552	133,93,422	27,159,450
2.	Special Grade	545.07	64,361	4,137	129,34,814	26,57,420	18,15,337
3.	Selection Grade	655.68	64,948	3,601	95,00,375	37,01,845	108,74,017
4.	First Grade	882.61	68,701	5,484	78,64,135	39,19,871	89,62,498
5.	Second Grade	791.27	47,876	3,940	84,45,427	25,05,222	79,15,197
6.	Third Grade	235.06	18,879	1,848	19,10,227	7,88,704	15,68,278
7.	Township Committees	84.52	3,612	424	10,61,371	1,39,775	10,65,778
Total for the year		4,688.21	3,89,505	29,163	5,22,78,981	2,71,06,259	6,65,24,555

13.4 STREET LIGHTING IN MUNICIPAL BODIES-1978-79.

Serial number.	Grades of Municipalities.	Electric Mercury vapour lamps, fluorescent tube lights, flood lights etc.,	Ordinary lights.	Other than electric lights.	Total.
(1)	(2)	(3)	(4)	(5)	(6)
1.	Corporation	49,565	8,055	—	57,620
2.	Special Grade	25,757	6,475	—	32,232
3.	Selection Grade	22,925	7,601	10	30,536
4.	First Grade	33,772	6,945	—	40,717
5.	Second Grade	24,715	8,088	18	32,821
6.	Third Grade	3,974	5,423	—	14,397
7.	Township Committees	5,704	1,191	13	6,508
Total for the State		1,71,012	43,778	41	2,14,831

13.5 LENGTH OF ROADS IN MUNICIPAL BODIES 1978-79.

Serial number.	Grades of Municipalities.	Length of Roads (in Kms.)				Total.
		Concrete.	Bituminous.	Waterbound Macadam.	Unsurfaced.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1.	Corporation	133.88	133.14	111.77	82.08	1600.87
2.	Selection Grade	98.64	557.91	157.92	98.35	912.82
3.	Special Grade	174.31	633.85	143.71	92.51	1044.38
4.	First Grade	216.44	817.62	279.91	226.87	1540.84
5.	Second Grade	193.61	563.71	311.18	367.15	1435.65
6.	Third Grade	43.85	173.28	132.53	253.36	303.02
7.	Township Committee	9.66	116.43	77.71	104.30	308.10
TOTAL		870.39	4,195.94	1214.73	1214.62	7595.68

13.6. RECEIPTS AND EXPENDITURE OF MUNICIPAL BODIES 1975-79.

<i>Serial number</i>	<i>Grades of Municipal Councils</i>	<i>Total Receipts.</i>	<i>Total Expenditure.</i>
(1)	(2)	(3) (Rs. in lakhs)	(4) (Rs. in lakhs)
1.	Corporations	4,880.80	4,818.32
2.	Special Grade	1,841.17	1,861.60
3.	Selection Grade	1,259.82	1,294.57
4.	First Grade	1,462.53	1,397.92
5.	Second Grade	961.46	942.74
6.	Third Grade	355.82	355.16
7.	Township Committees	238.61	192.84
Total ..		11,040.21	10,863.15

XIV. STATE FINANCE

RECEIPTS AND EXPENDITURE OF REVENUE ACCOUNT

The receipts under Revenue Account for 1981-82 is Rs. 112,827 lakhs (Budget Estimates) as against Rs. 117,375 lakhs (Revised Estimate) for the previous year.

The expenditure under Revenue Account is Rs. 1,13,784 lakhs (Budget Estimates) against Rs. 1,18,505 (Revised Estimates) for the previous year.

There is a deficit of Rs. 957 lakhs in 1981-82 (Budget Estimates) when compared Rs. 1,130 lakhs in the previous year (Revised Estimates).

14.1 RECEIPTS AND EXPENDITURE OF REVENUE ACCOUNT

<i>Items</i>	<i>1979-80</i>	<i>(Rs. in lakhs)</i>	
		<i>1980-81</i>	<i>1981-82</i>
<i>Accounts</i>	<i>Revised Estimates</i>	<i>Budget Estimates</i>	
(1)	(2)	(3)	(4)
<i>(Rs. in lakhs)</i>			
Revenue Receipts	94,485	1,17,375	1,12,827
Expenditure on Revenue Account	84,555	1,18,505	1,13,784
Revenue Surplus (+) or Deficit (—)	(+) 9,530	(—) 1,130	(—) 957

XV. STATE INCOME

STATE INCOME OF TAMIL NADU

According to Quick Estimate for 1979-80 the Net State Domestic Product for Tamil Nadu in real terms, i.e., at 1970-71 prices, stood at Rs. 3306.51 crores as against a Rs. 3,130.26 crores in the previous year, registering a growth of 5.6 per cent. The estimates for the years 1970-71 to 1978-79 were revised with reference to latest data available. The per Capita Income in real terms during the year (1979-80) stood at Rs. 711 registering 4.3 per cent increase over the previous year. The Primary sector generally commands the trend in State income accounting for 37.4 per cent of total Net State Domestic Product during the year, 1979-80 with a growth of 7.32 per cent over the previous year. This is mainly attributed to the better performance in the Agricultural front. A fairly good harvest of food grains with 10.5 per cent increase during the year supplemented by an increase of 8.3 per cent in Sugarcane and 12 per cent increase in Gingelly have been mainly responsible for the increase in the primary sector. The secondary sector also performed well during the year with an increase of 4.5 per cent over the previous year. Of these, the registered sector which is the major one among the secondary sector moved ahead with an increase of 4.7 per cent during 1979-1980. The income from Electricity, Gas and Water-supply also continued to register and maintain a increase of 8.5 per cent during 1979-1980. The tertiary sector continued to maintain sizable increase during 1979-80.

At current prices the State and per Capita Income during 1979-80 is estimated at Rs. 6,275.30 crores and Rs. 1350 respectively.



Number.

Industry.	1970-71.	1971-72.	1972-73.	1973-74.	1974-75.	1975-76. R.E.	1976-77. R.E.	1977-78. P.R.	1978-79. P.R.	1979-80. Q.E.	1980-81. Q.E.
(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)	(13)
						(ROUTES IN LAKHS.)					
Agriculture	90,456	97,013	94,142	1,03,247	73,474	99,161	94,434	1,09,347	1,10,872	1,11,120	
Forestry and Logging	816	843	678	691	634	515	573	563	672	759	
Fishing	1,955	2,125	2,331	2,560	2,438	2,954	2,811	2,597	2,806	2,544	
Mining and Quarrying	1,246	1,427	1,111	1,262	1,151	649	943	542	912	1,42	
Sub total —Primary	94,513	1,01,408	98,262	1,07,760	77,617	1,01,479	98,761	1,13,469	1,15,212	1,23,702	
8-1. Manufacturing (Registered)	26,462	27,573	29,135	29,610	29,902	33,871	36,412	37,367	41,444	45,462	
8-2. Manufacturing (Un-Registered)	19,409	19,041	18,924	16,166	17,246	19,143	19,596	18,933	19,731	19,543	
8-3. Construction	12,315	13,993	13,977	11,984	12,533	13,801	14,886	17,080	18,712	20,293	
8-4. Electricity, Gas and Water Supply	3,749	3,954	3,909	3,862	4,161	4,536	4,629	5,326	5,773	6,271	
Sub total —Secondary	61,935	65,627	65,045	62,402	64,042	71,351	75,786	79,206	87,645	91,574	
8-1. Railways	2,843	2,860	2,879	2,636	2,949	3,474	3,293	40.3	3,937	3,917 (R)	
8-2. Transport by other means and storage	7,832	7,847	8,655	8,937	8,300	8,967	9,148	9,755	10,423	11,246	
8-3. Communications	2,521	2,513	2,516	3,016	2,957	3,348	3,574	3,651	3,754	3,755 (R)	
8-4. Trade, Hotels and Restaurants	32,869	35,353	35,676	38,135	31,265	36,546	37,618	41,408	43,872	46,173 (R)	
Sub Total	46,165	48,573	49,226	52,726	45,511	52,335	52,633	59,257	62,036	65,160	
10. Banking and Insurance.. .. .	5,068	6,069	6,56	6,226	5,812	6,816	7,785	8,733	10,184	10,184 (R)	
11. Real Estate and Ownership of Dwellings and Business Services.	8,103	8,210	8,602	8,957	9,707	9,703	10,127	10,589	11,089	11,676	
Sub Total	13,071	14,359	15,168	15,173	15,119	16,539	17,912	19,322	21,273	21,820	
12. Public Administration	7,437	7,984	8,180	9,522	10,018	12,744	12,791	14,066	15,506	15,779	
13. Other Services	13,859	14,009	14,127	14,455	15,025	15,144	15,717	16,026	16,304	16,616	
Sub Total	21,796	22,003	22,307	23,977	25,062	27,888	28,508	30,092	31,810	32,395	
14. N. S. D. P. at Factor Cost	2,37,480	2,49,970	2,50,508	2,62,638	2,67,432	2,69,812	2,72,680	2,79,349	2,85,026	2,90,551	
Estimated population (in lacs)	407	415	421	427	434	440	446	453	459	463	
Per Capita (in Rupees)	583	602	595	614	621	613	611	601	632	631	

RE: Revised Estimate.
QE: Quick Estimate.

P.R.: Partially Revised Estimate.
R.E.: Preliminary Estimate.
Q.E.: Previous Year Figure repeated.

15.1 NUTRITIONAL STATUS PROJECT BY INDUSTRY OF ORIGIN AT CURRENT PRICES

State, Loc. and Unit

Serial Number	Industry	A1-J Section											
		(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)	(12)
									RE.	PR.	PRLY.	OE.	
									1976-77.	1977-78.	1978-79.	1979-80.	
									(9)	(10)	(11)	(12)	
									(RUPEES IN LAKHS)				
1	Agriculture	..	..	..	1,05,879	1,16,139	1,37,642	1,19,116	1,21,984	1,40,090	1,52,739	1,57,499	2,19,706
2	Forestry and Logging	..	..	..	1,066	903	1,084	1,463	598	1,563	2,078	2,266	2,460
3	Fishing	..	..	..	2,133	2,527	2,632	2,922	3,105	3,415	3,197	4,137	4,336
4	Mining and Quarrying	..	..	..	1,452	1,399	1,670	2,074	1,681	1,819	1,842	1,870	2,077
	Sub-total—Primary	..	..	..	1,10,530	1,19,968	1,41,889	1,25,665	1,27,768	1,46,887	1,59,856	1,65,872	2,28,579
5	Manufacturing (Registered)	..	..	..	27,674	31,236	34,841	53,653	52,893	63,806	72,428	82,363	98,634
5	Manufacturing (Un-Registered)	..	..	..	21,762	23,277	23,668	30,187	32,853	34,038	33,566	35,101	39,770
6	Construction	..	..	..	14,232	15,074	15,745	17,101	22,647	26,440	30,869	36,140	42,077
7	Electricity, Gas and Water Supply	..	..	..	3,785	4,426	5,247	6,135	6,236	8,145	7,409	8,152	8,404
	Sub-total—Secondary	..	..	..	67,453	74,013	83,501	1,19,536	1,14,629	1,32,579	1,44,672	1,61,656	1,88,885
8	Services	..	..	..	2,919	2,894	2,528	3,365	4,329	4,744	5,613	5,527	5,527(R)
8	Transport by other means and storage	..	..	..	9,590	10,165	14,911	16,211	13,776	19,530	24,140	26,235	29,196
8	Communication	..	..	..	2,644	2,632	3,353	3,615	4,211	5,635	6,053	6,502	6,502(R)
9	Trade, Hotels and Restaurants	..	..	..	37,980	40,324	50,068	53,072	53,993	60,663	67,029	70,943	88,354
	Sub-total	..	..	..	53,133	58,715	71,065	76,344	76,389	90,572	1,02,835	1,09,207	1,29,579
10	Banking and Insurance	..	..	..	6,439	7,493	8,807	11,305	14,566	16,228	17,632	19,157	19,157(R)
11	Real Estate and Ownership of Dwellings and Business Services	..	..	..	8,674	9,518	10,736	10,331	11,141	12,148	13,463	14,941	16,790
	Sub-total	..	..	..	15,113	17,011	19,043	21,636	25,707	28,376	31,095	34,098	35,947
12	Public Administration	..	..	..	9,324	9,944	11,753	13,182	15,381	15,899	17,995	16,510	18,183
13	Other Services	..	..	..	14,724	15,647	16,520	18,537	18,405	18,985	19,754	24,698	26,357
	Sub-total	..	..	..	24,048	25,591	28,273	31,719	33,786	34,884	37,749	41,208	44,540
14	N.S.-D.P. At Factor Cost	..	..	..	2,70,277	2,94,398	3,45,170	3,64,600	3,78,279	4,38,298	4,76,207	5,19,041	6,27,580
	Estimated Population (In Lakhs)	..	..	..	415	421	427	434	440	446	453	459	465
	Per Capita (In Rs.)	..	..	..	651	673	808	841	860	972	1,051	1,116	1,350

NOTE: — P.R. : Revised Estimate. P.R. : Preliminary Estimate.

O.E. : Out of the Year