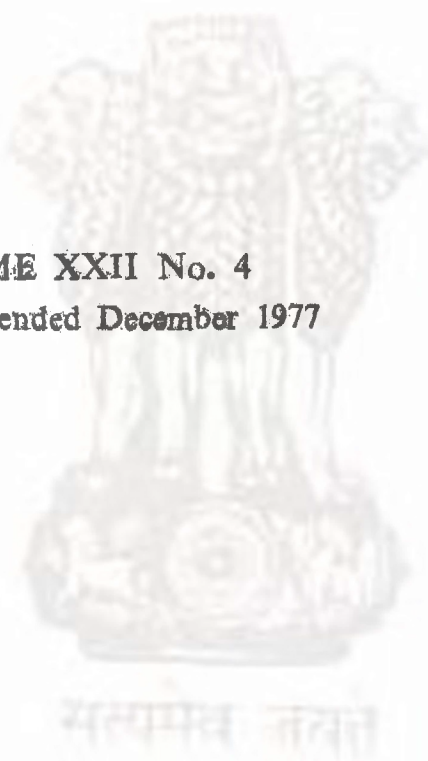


**ABSTRACT OF STATISTICS
FOR
TAMIL NADU**

VOLUME XXII No. 4
Quarter ended December 1977



Issued by ;
**THE DIRECTOR OF STATISTICS
MADRAS**

PREFACE

The Abstract of Statistics for Tamil Nadu presents in the form of a compendium, current statistics on selected items of importance. This publication is intended to serve as an authoritative book of reference to Government Departments, Research Scholars, Statisticians, Economists, and Planners, etc.

This issue covers in the main, Statistics for the quarter ended December 1977 with comparative data to the extent available.

Chapters on 'Economic Situation in Tamil Nadu' and 'Select Economic Indicators' highlight the tempo of progress of Tamil Nadu.

A special feature of this issue is the inclusion of a report on "Housing situation in Madras City."

The co-operation extended by other Heads of Departments in furnishing the statistics required, is gratefully acknowledged.

MADRAS,
Dated 7th April 1978. }

M. A. LATIFF,
Director of Statistics (In-charge)

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PART—A



सत्यमेव जयते

ECONOMIC SITUATION IN TAMIL NADU DURING THE QUARTER ENDED JUNE 1970.

General.

The rainfall during the hot weather period extending over March to May 1970 was above the normal in all the districts except, Madras, Chingleput, South Arcot, North Arcot and Coimbatore where it was below the normal.

Water-supply.

During the early part of the quarter the storage position and water-supply reported to be generally fair except in certain parts of Ramanathapuram, Madurai and Tirunelveli districts.

During the later part of the period under review, the availability of water was reported to be barely sufficient for crops except in certain parts of North Arcot, Tiruchirappalli, Madurai, Ramanathapuram, Tirunelveli, Coimbatore, Salem and Kanyakumari districts where the availability was inadequate.

Water-levels in the reservoirs.

Water-level in the reservoirs during the quarter gradually receded in Red Hills, Sholavaram, Poondi, Sathamur, Papanasam, Manimuthar and Bhavani reservoirs. It was far below the full tank level in Willington, Periyar, Stanley and Pechiparai.

Foreign trade.

The foreign trade of Tamil Nadu during the quarter ended 31st December, 1969 amounted to Rs. 115.10 crores, recording a fall of Rs. 8.38 crores as compared with that during the earlier quarter.

Of the total trade during the quarter under review, foreign imports accounted for Rs. 63.33 crores and exports for Rs. 51.77 crores. There was an increase of Rs. 3.60 crores in respect of exports and a decrease of Rs. 11.98 crores in respect of imports during the quarter as compared to the trade during the previous quarter.

Crop prospects.

During the period under review the following forecast reports 1969-70 were released for publication in the Statistical

supplement to the *Tamil Nadu Government Gazette*.

1. First and final forecast reports on maize, chillies, and castor.

2. Second forecast reports on tobacco and Bengalgram.

3. Second and final forecast report on onion.

4. Supplementary forecast report on Mesta.

5. Third and final forecast reports on paddy, cholam, cumbu, ragi, korra, varagu, samai, tobacco, bengalgram, redgram, ginger and pepper.

6. Fourth and final forecast report on gingelly.

7. Fifth and final forecast report on cotton.

The variations as compared to the previous year in the estimated area and production of crops for which final forecast reports were released, are shown below :

Crop.	Percentage variation in 1969-70 over the level in 1968-69.	
	Area.	Production.
(1)	(2)	(3)
1 Paddy	+ 2.77	+ 31.0
2 Cholam	+ 14.9	+ 23.0
3 Cumbu	+ 7.2	+ 15.9
4 Ragi	+ 13.4	+ 17.4
5 Korra	+ 25.2	+ 32.2
6 Varagu	+ 15.1	+ 18.1
7 Samai	+ 10.4	+ 16.3
8 Maize	+ 27.7	+ 31.0
9 Bengalgram	+ 8.2	+ 13.9
10 Redgam	+ 18.1	+ 5.0
11 Gingelly	+ 8.8	+ 11.7
12 Cotton	+ 22.6	+ 55.4
13 Chillies	+ 14.9	+ 23.0
14 Castor	+ 2.0	+ 3.6
15 Onion	+ 12.0	+ 15.9
16 Ginger	+ 18.9	+ 18.2
17 Pepper	+ 15.0	..
18 Tobacco	+ 3.9	+ 6.8

The condition of standing crops was reported to be generally fair in all the districts except in certain areas in Tirunelveli district. In parts of Kolathur, Alangudi,

Sowing of paddy in Pollachi taluk and Cholam in Udumalpet taluk and Tobacco in garden lands of Gobichettipalayam taluk was being done in Coimbatore district.

Agriculture.—The total geographical area of Tamil Nadu according to village papers was 13·0 million hectares in 1975—1976. Out of which the net area sown accounted for 6·0 million hectares, the area cultivable but not cultivated was 2·7 million hectares and the uncultivable land was 4·3 million hectares. Out of the 6·0 million hectares of net area sown, 2·6 million hectares or about 43 per cent was irrigated. The area sown more than once was 1·2 million hectares of which 0·8 million hectares or about 65 per cent was irrigated.

The gross cropped area was 7·2 million hectares out of which 3·4 million hectares or 47 per cent was irrigated.



Crop Yields.—The estimated average yield of principal crops in 1976—77 is as shown below.—

YIELD PER HECTARE IN KILOGRAM.

<i>Crop</i>	1975—76	1976—77	Variation, Per cent
(1)	(2)	(3)	(4)
Rice	2076	1812	—15
Groundnut	1128	1092	— 3
Gingelly	319	394	+19
Sugarcane@	93	96	+ 3
Cholam-Irrigated	1849	1997	+ 8
Unirrigated	699	870	+24
Combined	853	1335	+37
Cumbu-Irrigated	1624	1685	+ 4
Unirrigated	604	865	+43
Combined	700	1199	+42
Ragi-Irrigated	1815	1994	+10
Unirrigated	1227	695	—43
Combined	1512	1435	— 5
Cotton (Lint)	230	270	+15

@ in terms of tonnes

The decrease in the yield of rice was due to drought in the beginning of 1976—77 and floods during second half of the year.

The yield of other crops had however increased in 1976—77.

Area and Yield of Coconut and Arecanut—According to the provisional estimates for 1976—77 Tamil Nadu has nearly 35.59 million coconut palms in an estimated area of 1,08,903 hectares. The estimated bearing palms which was 65.8 per cent of the total palms yielded nearly 1094.9 million nuts during 1976—77.

As regards Arecanut crop Tamil Nadu has 7.3 million palms over an estimated area of 4,010 hectares. The estimated bearing palms which was 67.4 per cent of the total palms yielded nearly 2,380 tonnes of cured arecanuts.

Index numbers of agricultural economy—The provisional index number of area under crops, yield, production, cropping intensity and productivity per hectare for 1976—77 has decreased by 2.7, 0.1, 3.4, 3.0 and 3.8 points respectively as compared with 1975—76.

The index of cropping pattern and the index of net area sown has increased by 0.4 and 0.3 points respectively.

Livestock—The total cattle population in Tamil Nadu as per the Twelfth Quinquennial survey conducted in July 1977 is 236.4 lakhs as against 234.4 lakhs in 1974. The increase of 2.1 lakhs over a period of three years registered an annual growth rate of 0.29 per cent.

During the quarter ended it was reported that there was considerable havoc and damage to the cattle population in certain pockets of Tamil Nadu due to cyclone and continuous heavy rainfall.

Industrial Production—During the quarter ended September 1977 Industrial Production in Tamil Nadu improved as the average general Index (Base 1970—100) went upto 145.0 recording an increase of 11.3 points or 8.5 per cent over the previous quarter.

Substantial increases in output were observed in respect of Superior Kerosene, Caustic soda, Mixed Fertilizers, High Pressure Boilers and Fittings, Transformers and Synthetic gemstones.

Significant decreases in production were noticed in respect of Refined Oil, Coffee (cured), Bonded Abrasives, Frames, Railway wagons, and Motor vehicle Chassis.

Handloom—The estimated production of handloom cloth in Tamil Nadu was 148283 thousand metres during the quarter ended September 1977 showing a fall of 1.90 per cent when compared with the previous quarter the decrease being attributed to concentration on Agriculture by the Weavers.

Electricity—During the quarter ended December 1977 the electricity generated was 1578 millions units as against 1489 million units in the previous quarter, the percentage increase being 6.0 Per cent.

The consumption of electricity had increased from 1576 million units during the quarter ended June 1978 to 1873 million units during the quarter ended September 1977 showing an increase of 18.8 per cent in the consumption of Electricity.

Marine Fisheries—The Marine Fish landings on the coastline of Tamil Nadu for the quarter ended December 1977 is estimated at 24520 tonnes (provisioned) as against 32990 for the previous quarter representing a decline of 46.7 per cent due to cyclone and heavy rains in October and November 1977.

Joint Stock Companies.—During the quarter ended September and December 1977, 43 and 41 companies were newly registered respectively as against 43 companies during the quarter ended June 1977.

The total authorised capital of the companies registered during the quarter ended September and December, 1977, was Rs. 393.74 lakhs and 301.25 lakhs respectively in comparison with the previous quarters capital investment of Rs. 834.50 lakhs.

Transport.—During the quarter ended September 1977 the number of motor vehicles newly registered was 5,362 as against 5,562 in the previous quarter, showing a decline in the number of registrations.

Index Number of Wholesale Prices in Tamil Nadu (21st August 1939—100).—During the quarter ended December 1977 the index number of wholesale prices of foodgrain (21st August 1939—100) declined by 2.9 per cent while that of commercial products and composite index advanced by 5.0 per cent and 2.3 percent respectively.

Consumer Price Index Numbers.—During the quarter ended December 1977, the Consumer Price Index Number (Base: 1960—100) as compared to September 1977 advanced in all the centres viz., Madras City, Cuddalore, Tiruchirappalli, Madurai, Coimbatore, Nagarcoil and Coonoor centres.

Rural Price Index Numbers.—During the quarter ended December 1977, the index number of Rural prices (Year ended June 1971—100) for Puliur, Agaram, Thulayanaatham Eriodu, Guduvancheri and Kunnathur advanced while that of Gokilapuram and Kinathukadavu declined.

Consumer price Index Number for urban Non-manual employees.—During the quarter ended September 77, the Consumer Price Index Number for Urban Non-Manual Employees (1960—100) advanced in all the centres viz., Madras, Madurai and Tiruchirappalli.

Parity Index.—The index number of parity between the prices (1954—55—100) received and prices paid by the farmer advanced by 4.2 per cent during the quarter ended December 1977.

Employment.—The total number of employment seekers on the Live Register of Employment Exchanges at the end of the quarter ended December 1977 decreased by 1.5 per cent, compared with the previous quarter. The number of persons registered in the exchanges during this quarter decreased by 5.0 per cent, compared with the previous quarter. The placements made through the exchanges during this quarter increased by 9.2 per cent, compared with the previous quarter.

♣ART—B



सत्यमेव जयते

HOUSING SITUATION IN MADRAS CITY

(An Appraisal of 1971 Census.)

1. INTRODUCTION.—One of the urgent problems facing the City of Madras is the acute shortage of housing. In planning for achieving self sufficiency in housing a correct estimation of the housing requirements should form the very first step. The next step should be to formulate a housing policy and a house-building programme consistent with our population policies and socioeconomic objectives in planning and housing. Planning for housing-sufficiency requires a thorough mastery of the relevant facts and figures relating to population, its characteristics and the present stock of housing and its anticipated future needs.

The problem of estimating housing needs is complex and difficult as the statistical information regarding housing and house building activity is scarce. Accurate and comparable factual data are scanty. Various factors that give effect to changes in housing stock are unknown and hence whatever data available, is incomplete. Not only accurate data regarding the number of households which occupy separate dwellings should be collected but also data on concealed households which form part and parcel of the existing households. This lacuna exists due to the disintegrating joint family structure which has been in vogue for generations and still continues for want of suitable accommodation. A true measure of the housing deficiency therefore, is the difference between the apparent demand plus the concealed demand and the number of habitable dwellings which are available.

In the present paper, an appraisal of the housing situation in the City of Madras is discussed with reference to the Census 1971. Madras City with its population of 2.47 millions in 1971, is capable of extreme rapid growth. It is expected to grow further to reach 3.42 millions by 1981. Correspondingly, the housing needs, which are already in short supply will grow further to massive proportions.

Among the four most populous cities of India the Urban population of Madras City* is growing at a very fast rate of 4.3 percent** per annum. Though Madras City is ranked fourth among the four cities in regard to population, size, it ranked third in the growth rate.

The all round expansion of Madras City has brought in its train many problems resulting in the mushrooming growth of a large number of unauthorised colonies and ugly slums, coupled with an acute shortage of house buildings for residential and non residential purposes. A detailed examination of the house-listing operations conducted during the census 1971 and the valuable information gathered will throw light on the housing situation that prevailed then.

A house as defined by the census authorities is retained in this study for all practical purposes. ***

* Madras City is wholly urban and it constitutes a district in the State.

** The other cities being Delhi Municipal Corporation, Bombay and Calcutta. Their Urban population growth rates were 5.9 per cent 4.4 per cent and 0.8 per cent respectively per annum.

*** Census of India 1971 ; Instructions to enumerators for filling up the houselisting and establishment schedules (Manager of Publications)

2 *Houses and their Users* ; House-listing operation as per Census 1971 showed that there were 463,785 houses in the city of Madras as against 273,418 reported in 1961. This shows that during the decade 1961—71 there was an increase of about 190,367 houses, recording a 70 per cent increase in houses. This rate of growth of houses was quite high when compared to the rate of growth of population. Decadal growth of population in the Madras city was 42·8 per cent in the case of houses it was 70 per cent. Though the above figures showed that the housing problem had been nearly solved the position was however quite different. There was a great shortage of houses and a considerable size of the population resided in slums and places unfit for human habitation.

The following table gives the stock of houses in Madras City and the uses to which they were put (according to Census 1971.)

TABLE I

CENSUS HOUSES AND USES TO WHICH THEY ARE PUT IN MADRAS CITY (1971)

<i>Item</i>	<i>Number of houses</i>	<i>Percentage to total</i>
(1)	(2)	(3)
1. Total number of Census houses	463,785	100·00
2. Vacant Houses	17,165	3·7
3. Occupied Houses		
(i) Fully residential	387,035	83·4
(ii) Shop-cum residence	2,475	0·6
(iii) Work-shop cum residence including household industry	2,080	0·4
(iv) Hotels, dargahs, tourists house and inspection houses	775	0·2
(v) Shops excluding eating houses	22,450	4·8
(vi) Business houses and Offices	4,480	1·0
(vii) Factories, Workshops and Work sheds	12,265	2·7
(viii) Restaurants, sweet meat-stalls and eating places	3,325	0·7
(ix) Places of entertain- ments, community gatherings excluding places of work- shops	400	0·1
(x) Places of workshops	1,040	0·2
(xi) Others.	10,295	2·2
Total 3 (ii) to (iii)	4,555	1·0
Total 3 (iv) to (xi)	55,030	11·9

The maximum number of houses were used as 'residences'. In the city about 83.4 per cent of the houses were used fully for residential purposes while only 1 per cent of the houses were used partly for residential purposes. In Madras City in 1971, for every 1187 persons there was one workshop—cum—residence (including household industry), for every 110 persons there was one shop (excluding eating houses), for every 201 persons there was one factory, workshop or workshed. Similarly for every 6,173 persons there was one place of entertainment such as cinema house, community centre etc, and for every 2374 persons there was one place of worship.

3. *Katcha or Pucca Houses:* Out of 4, 63, 785 houses, in the city as many as 3,65,640 (78.8%) houses had walls of burnt bricks, galvanised iron sheets, stone and cement or concrete (Pucca). In the case of 98,125 (21.2 per cents) houses the predominant material of wall was grass, leaves, reeds, mud, unburnt bricks or wood (Katcha). In the case of remaining 20 houses, the material used for walls was not stated.

Similarly 3,44,000 houses had Pucca roofs while 119,645 (25.8 per cent) houses had Katcha roofs.

Table below shows the distribution of houses with different types of materials of walls and roofs (Katcha and Pucca) in Madras City.

TABLE 2.

DISTRIBUTION OF HOUSES BY TYPE OF MATERIALS OF WALLS AND ROOFS IN
MADRAS CITY (1971).

<i>Predominant material used</i>	<i>Number of houses</i>	<i>Percentage to total.</i>
(1)	(2)	(3)
Total Number of Houses	463,785	100.0
A. WALLS		
1. Pucca i.e. burnt bricks, G.I. Sheets, Stone etc.,	365,640	78.8
2. Katcha i.e. grass leaves, reeds, bamboo, mud, unburnt bricks and wood	98,125	21.2
3. Others not stated	20	(Negligible)
B. ROOFS		
1. Pucca i.e. burnt bricks, G.I. Sheets, Stone etc.,	344,000	74.2
2. Katcha, i.e. grass leaves, Thatch Wood, Unburnt bricks Bamboo etc.	119,645	25.8
3. Others not stated	140	(Negligible)

Sources: (Census of India, 1971)

4 *Households Classified by Number of persons and by Number of rooms Occupied.*—According to 1971 census there were 394,625 households comprising of 2,265,345 persons living in 753,000 rooms * in Madras City. About 53.6 per cent of households with 48.8 per cent members lived in one room houses

The percentage of 'households' and 'the numbers housed' in two roomed houses were 24.0 and 25.4 respectively. About 10.4 per cent of households with 12.4 Per cent of members lived in three rooms. Households living in four roomed houses was 5.2 per cent with 6.2 per cent of population. The percentage of households living in 5 rooms constituted only 5.4 percent with 7.2 per cent population. The remaining 0.5 percent of the households lived in houses with unspecified number of rooms.

Households classified by number of persons and by number of rooms occupied is shown in the table below:—

TABLE 3.

HOUSEHOLDS CLASSIFIED BY NUMBER OF PERSONS AND BY NUMBER OF ROOMS
OCCUPIED IN MADRAS CITY 1971. **

Number of rooms.		Number of house- holds.	% to total	Total Number of		Members Total	% to total popula- tion
				Males	Females		
(1)		(2)		(3)	(4)	(5)	(6)
Total (all sizes)	..	394,625	100.0	1164900	1100445	2265345	100.0
One							
Room	..	211,360	53.6	568855	536880	1105735	48.8
Two							
Rooms	..	96,405	24.4	296590	280610	577200	25.4
Three							
Rooms	..	43,220	10.9	143990	136415	280405	12.4
Four							
Rooms	..	20,490	5.2	72105	67460	139565	6.2
Five †	..	21,270	5.4	83755	79070	162425	7.2
Unspecified	..	1,880	0.5	5	10	15	—

(Source : Census of India 1971)

* 'Room' refers to the definition adopted by the Census of India 1971.

** (i) Figures given in the table are unbiased estimates based on 20 per cent sample of Census Houses.

(ii) The institutional households are excluded from this table.

(iii) Population given in Col. 4, 5 and 6 in the table refer to house listing population 1970 and it will not tally with the actual census population of 1971.

It is seen from the table about 50 per cent of persons resided in one room. It will be interesting to study the distribution of number of persons per room per household in the city. Table 4 gives the distribution in the case of Madras City.

TABLE 4.
DISTRIBUTION OF AVERAGE NUMBER OF PERSONS PER ROOM PER HOUSEHOLD
IN MADRAS CITY (1971).

<i>Numbers of room (house-size)</i>	<i>Number of persons per room</i>	<i>Number of persons per household.</i>
(1)	(2)	(3)
All Sizes	3.01	5.77
One Room	5.23	5.23
Two Rooms	2.99	5.99
Three Rooms	2.16	6.49
Four Rooms	1.70	6.81
Five and above	1.18	7.64

An inverse relationship is perceived between the 'number of persons per room' and the size of the house. Invariably greater congestion is felt in tenements with house sizes having one, two and three rooms as compared to the latter categories. Evidently this indicated acute shortage of houses.

5. *Households and Tenure status.*—The tenure status of these households is also worth examining. In Madras City, out of 3,94, 625 households, a large chunk of it lived in rented houses. Greater part of the population in the city were migrants who settled there to eke-out their living with no possibility of owning houses at the place of domicile. Table 5 below shows the position with regard to the tenure status of the households in Madras City.

TABLE 5.

Type of Tenure.	Households.	Percentage to total.
Total	394,625	100.0
Owned	105,660	26.8
Rented	288,965	73.2

It is seen that the percentage of households having own-houses was quite low, majority of the households were therefore living in rented houses.

In the city of Madras, according to 1971 Census the rented houses were either owned by the Government or Private Agencies. While the Government decided types and sizes of houses, merely by status, the private agencies tried to play safe by building average houses for average families. Thus practically, no choice in the matter of selecting the type of accommodation suited to its socio economic needs and resources was left with the households,

6. *Houseless persons and Slum Dwellers*—There were 7049 persons in the city of Madras in 1971 who were reported as house less who could be better described as pavement dwellers. The concentration of these pavement dwellers' was largely found in the neighbourhood of Kothwal Chavadi, harbour railway over head bridges and the spaces below the stairs as well as in open areas and pavements on busy thoroughfares in the City. There were mostly rickshaw Pullers and coolies and workers, who eked out their livings doing odd jobs and begging;

In 1961 there were 548 slums comprising of 97,851 households without population of 4,12,168 whereas in 1971 the number of slums increased to 1202 with 1,63,809 families. The number of slum dwellers in 1971 swelled up to 7,37,53*. It is seen that the population living in slums accounted for 33.5 Percent of the total population of the city. In other words, a third of the city's population lived in slums. This is also indicative of the acute shortage of housing in this city. To tackle the problem of slum clearance on a war footing, a separate act called the Tamil Nadu Slum Improvement and Clearance Act of 1971 was passed, giving statutory powers to the slum clearance Board (formed for the purpose) in the matter of clearing slums and preventing growth of further slums.

Some tangible work was done by the Board but it is too early to say whether the Slum Clearance Board has achieved the results as anticipated.

7. Conclusion.

Population as well as houses had grown sizeably during the decade but yet about 1/3 of the population in the city of Madras were still living in the slums.

2. About one half of the population lived in one room tenements.

3. When the house size increased from one room to five and above, the number of persons per room declined correspondingly from 5.23 to 1.18. Thus an inverse relationship existed between 'the number of persons per room' and the size of house, evidently an acute shortage of housing accommodation is seen.

4. Slums in Madras City had grown rapidly during the decade 1961—71. There were more than twice the number of slums in 1971 when compared to 1961. Though Madras City, as the State's capital had been enjoying the most favoured treatment in the matter of housing and other civic amenities, the never-ending influx of migrant population to the city coupled with the shortage of housing accommodation led to the mushrooming of unauthorised slums. The pressing need for providing decent housing accommodation to slum dwellers

* Tamil Nadu Slum Clearance Board—Slums of Madras City. A Socio-economic Survey, (Mimco) P.6.

led to the formation of the Slum Clearance Board in the City which initiated steps to clear the slums and prevent creation of further slums. Between 1971 and 1975 the Board built, 18,385 units of houses to rehouse and re-habilitate the slum-dwellers.

The house building activity in the city since 1971 had been impressive and the number of houses built by the State Housing Board and other Government sponsored agencies and in the private sector accounted for 35,686 units of houses upto 1975. An accelerating tempo in house building activities in the years to come, though not commensurate with the growing pressure on accommodation may be anticipated.



PART—C



SELECT ECONOMIC INDICATORS

1. POPULATION GROWTH

	1941	1951	1961	1971	1977 [@]
Population in Lakhs	263	301	337	412	469
Decadal Variation (percent)	-11.91	-14.66	-11.85	-22.30	-13.84
Index of Population (1901=100)	136	156	175	214	244

[@]Projected2. INDEX NUMBERS OF AGRICULTURAL ECONOMY (Triennium ended
1969-70-100)

	1971- 72	1972- 73	1973- 74	1974- 75	1975- 76	1976- 77 (P)
Area under crops	107.5	108.1	107.0	93.3	101.3	98.6
Cropping Pattern	97.4	99.3	105.4	106.3	100.7	101.1
Yield	117.9	117.1	122.2	104.5	126.7	126.6
Agricultural Production	123.8	125.9	138.2	103.9	129.5	126.1
Net area sown	105.5	105.3	102.7	92.3	99.6	99.9
Cropping Intensity	101.9	102.7	104.2	101.1	101.7	98.7
Productivity	117.3	119.6	134.6	112.6	130.0	126.2

P—Provisional

3. INDEX NUMBER OF INDUSTRIAL PRODUCTION
(1970=100)

	1971R	1972R	1973R	1974R	1975R	1976
General Index	106	115	113	123	127	138

R: Revised

4. INDEX OF HANDLOOM PRODUCTION (BASE 1970-71=100)

Variety of cloth	1971-72	1972-73	1973-74	1974-75	1975-76	1976-77
Cotton	110.27	109.33	106.58	103.21	106.10	107.27
Silk	92.01	105.61	90.90	97.79	109.38	108.35
Art Silk	106.62	104.16	102.64	99.68	116.16	137.08
Mixture	104.76	108.72	100.94	103.58	113.34	137.98
Total	109.69	108.99	105.99	102.99	107.01	110.35

5. INDEX NUMBERS OF WHOLESALE PRICES IN TAMIL NADU (21st August 1939=100)

Group	1972	1973	1974	1975	1976
Foodgrains	1112	1192	2102	2512	1730
Commercial products	1498	2017	2265	2391	2463
Composite Index	1327	1653	2193	2445	2139

6. CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS (1960=100)

Centre.	1972	1973	1974	1975	1976
Madras City	197	221	281	325	283
Cuddalore	201	224	296	325	289
Tiruchirappalli	208	246	329	372	313
Madurai	201	226	306	352	296
Coimbatore	185	207	282	331	300
Nagercoil	219	255	339	390	330
Coonoor	193	214	307	314	295

7. ALL INDIA CONSUMER PRICE INDEX NUMBER FOR INDUSTRIAL WORKERS
(1960=100)

	1971	1972	1973	1974	1975	1976
All India Consumer price index	190	202	236	304	321	296

8. CONSUMER PRICE INDEX NUMBERS FOR URBAN NON-MANUAL EMPLOYEES
(1960=100)

Centre	1971	1972	1973	1974	1975	1976
Madras City	184	200	222	275	310	292
Madurai	164	175	199	264	306	285
Tiruchinappalli	182	194	209	273	313	282

9. Index numbers of rural prices (Year ended June 1936=100)

Centre.	1971	1972	1973	1974	1975	1976
Puliyur (South Arcot)	987	1038	1215	1709	2028	1635
Agaram (South Arcot)	956	1006	1158	1594	1736	1534
Thulayanatham (Trichirapalli)	1019	1061	1162	1693	2083	1837
Briodu (Madurai)	998	1019	1245	2010	2302	1737
Gokilapuram (Madurai)	1126	1239	1500	2240	2452	1996
Kinathukadavu (Coimbatore)	1024	1047	1310	2242	2527	1821
Gudivancheri (Chengalpattu)	1056	1090	1288	1954	2211	1598
Kunnathur (Chengalpattu)	981	1009	1195	1886	2136	1551

10 INDEX NUMBERS OF FARM PRICES (1954-55=100)

Item.	1971	1972	1973	1974	1975	1976
Prices received by farmer	234	238	279	440	501	378
Prices paid by farmer.	282	295	325	465	553	507
Index of parity	83	81	86	94	91	75

11. INDEX NUMBERS OF WAGES PAID TO CERTAIN CATEGORIES OF AGRICULTURAL LABOUR
(1960=100)

Category	1971	1972	1973	1974	1975	1976	1977
Field Labour (Men)	218	230	240	322	405	384	395
Tending Cattle (men)	176	187	198	239	344	336	333
Other Agricultural Labour (men)	200	203	225	292	376	386	398

12 INDEX NUMBER OF TOTAL VALUES OF FOREIGN IMPORTS AND EXPORTS
(1970-71=100)

	1971-72	1972-73	1973-74	1974-75	1975-76
Foreign Imports	108	96	168	191	151 P
Foreign Exports	108	151	181	181	270

P=Provisional

13. INDEX OF EMPLOYMENT
(1960=100)

	1971	1972	1973	1974	1975	1976
Persons registered	210.8	201.3	221.3	206.8	194.6	196.1
Persons Placed on employment	113.7	100.5	98.5	92.6	96.3	94.9
Persons on the Live Register	358.1	370.9	460.2	485.1	569.4	647.5

14. INDEX NUMBERS OF NET STATE DOMESTIC PRODUCT AT CURRENT PRICES BY
SECTORAL GROUPS.

	1970-71=100				
Sectors	1971-72	1972-73	1973-74	1974-75	1975-76
1. Primary Sector (Agriculture, Forestry and Logging, Fishing, Mining and Quarrying)	120.5	124.9	158.2	149.1	156.8
2. Secondary Sector (Manufacturing (Registered), Manufacturing (Un-registered); Construction, Electricity, Gas and Water supply)	105.6	113.8	147.2	174.3	184.7
3. Tertiary Sector (Banking and Insurance, Real estate and Ownership of dwellings, Public administration, Transport and Communication, Trade, Storage, Hotels and Restaurants, other Services)	109.7	121.3	141.4	157.7	176.4
4. Net State Domestic Product	113.0	120.9	149.5	158.3	170.6
5. Per capita Net State Domestic Product	111.1	116.7	141.5	145.4	153.2

PART —D



सत्यमेव जयते

I CLIMATE AND RAINFALL

RAINFALL

The North-East monsoon set in Tamil Nadu on 13th October 1977 a little ahead of schedule when compared to the past 10 years. The monsoon was active for about a fortnight (13-10-1977 to 26-10-1977), the longest spell in recent years. This has brought continuous rains to several parts of the State, particularly, to coastal areas which received 1½ to 3 times of their normal rainfall. The incessant rains during the first spell had improved the storage position in all the reservoirs of the State and it also brought copious supply of water to the Hydel reservoirs, improving the power supply position. A well marked low pressure area, which lay over South Andaman Sea on 8th November morning formed a deep depression on the same evening. This had intensified into a severe cyclonic storm with a speed of 100 km per hour which crossed near Nagapattinam in the early hours of 12th November and heavy to very heavy rainfall occurred in the districts of Chingleput, South Arcot, Salem, Tiruchirappalli, Thanjavur and Madras.

The incessant rains in October and cyclone in November have claimed the lives of 560 persons besides damaging properties worth Rs. 155 crores. About 28,300 acres of land and 1700 wells were sandcast and crops to the value of Rs. 41.81 crores were damaged.

The North East monsoon was excessive in October and November and deficient in December. But for the calamities the monsoon was excessive in all the district of the State and it was 61% more than the normal rainfall for the entire State.

Table No. 1.1

RAINFALL BY DISTRICT

Districts.	October 77	November 77	Decem- ber 77	North - East Monsoon	Normal	Percentage Deviation from Normal
MADRAS	638.1	496.1	24.0	1158.2	795.3	+45.6
CHINGLEPUT	557.4	534.2	5.1	1096.7	691.0	+58.7
SOUTH ARCOT	400.8	580.0	15.4	996.2	627.8	+58.7
NORTH ARCOT	242.8	394.5	4.2	641.5	385.5	+66.4
SALEM	214.4	283.7	1.9	500.0	303.1	+65.0
DHARMAPURI	226.5	181.3	Nil	407.8	290.9	+48.4
COIMBATORE	340.3	222.8	3.4	566.5	332.1	+70.6
TIRUCHIRAPPALLI	338.6*	337.1	9.4	685.1	419.2*	+63.4
PUDUKOTTAI	248.9	282.1	21.0	553.0	374.1	+40.3
THANJAVUR	404.1	592.6	47.3	1044.0	680.6	+53.4
MADURAI	411.9	267.3	3.4	682.6	409.0	+66.9
RAMANATHAPURAM	463.0	265.5	25.4	753.9	455.5	+65.5
TIRUNELVELI	324.2*	436.7*	46.3*	807.2*	485.8*	+66.2
NILGIRIS	386.0	364.0	4.0	754.0	513.6	+46.8
KANYAKUMARI	471.3	283.4	4.5	759.2	564.0	+34.6
STATE	353.7	355.2	14.1	760.4	449.7	+69.1

*Provisional

Excess Rainfall +20 percent and more of Normal
 Normal Rainfall +20 per cent to -20 per cent of Normal
 Deficient Rainfall -20 per cent to -59 per cent of Normal
 Scanty Rainfall -60 per cent to -99 per cent of Normal.

Water Supply.—During the quarter ended December 1977, the water supply was reported to be more than adequate in all the districts of the State. All the tanks in Tamil Nadu were almost full.

The water level in the reservoirs of Red Hills, Sholavaram, Poondi, Sathanur, Stanley Papanasam, Manimuthar, Amaravathi, Periyar, Krishnagiri and Bhavani had steadily increased during the quarter under review. The water level in the other reservoirs namely Vaigai, Pechipparai, Terunchani had also increased but receded in December 1977.



TABLE 1.2—WATER LEVELS IN THE SELECTED RESERVOIRS DURING THE QUARTER ENDED
31ST DECEMBER 1977.

Name of the Reservoirs.							Level as on			
							Full depth. (in meters.)			
(1)							(2)	1—10—77	29—10—77	5—11—77
							(3)	(4)	(5)	
1	Red Hills ..	..	..	..	..	..	14.69	12.34	14.01	14.08
2	Sholavaram ..	..	..	..	..	..	19.66	17.17	18.55	18.50
3	Poondi ..	..	..	..	..	..	42.06	37.42	42.87	41.45
4	Sathanur ..	..	..	..	..	..	36.27	22.22	35.58	35.66
5	Wellington ..	..	..	..	..	..	8.60	4.87	8.53	8.35
6	Vaigai ..	..	..	..	..	..	21.64	13.06	21.12	21.15
7	Periyar ..	..	..	..	..	..	14.63	4.72	12.55	12.48
8	Papanasam ..	..	..	..	..	..	45.11	9.47	28.13	29.80
9	Manimuthar ..	..	..	..	..	..	35.97	8.24	22.39	23.46
10	Bhavani ..	..	..	..	..	..	32.30	18.86	25.42	25.39
11	Amaravathi ..	..	..	..	..	..	33.53	21.47	32.87	32.97
12	Stanley ..	..	..	..	..	..	36.58	15.06	36.15	36.44
13	Krishnagiri ..	..	..	..	..	..	15.89	12.49	15.75	15.81
14	Pechipparai ..	..	..	..	..	..	14.63	1.92	10.75	11.39
15	Perunchani ..	..	..	..	..	..	22.47	6.73	20.50	20.84

Name of the Reservoirs.						Full depth. (in meters.)	Level as on		
							26—11—77	3—12—77	31—12—77
(1)	(2)	(6)	(7)	(8)					
1 Red Hills	14.69	14.44	14.63	14.60					
2 Sholavaram	19.66	19.37	19.17	19.52					
3 Poondi	42.06	41.80	42.06	41.99					
4 Sathanur	36.27	35.66	35.69	36.19					
5 Wellington	8.60	8.69	8.69	8.18					
6 Vaigai	21.64	20.93	21.51	20.39					
7 Periyar	14.63	12.52	12.74	11.58					
8 Papanasam	45.11	40.44	44.22	43.67					
9 Manimuthar	35.97	29.91	32.08	35.49					
10 Bhavani	32.30	30.43	31.26	30.92					
11 Amaravathi	33.53	33.33	33.08	32.78					
12 Stanley	36.58	36.57	36.58	34.34					
13 Krishnagiri	15.89	15.75	15.84	15.66					
14 Pechipparai	14.63	13.70	13.88	11.79					
15 Perunchani	22.47	22.57	22.46	20.75					

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 fifth among the States in India. According to Census 1971 the population in Tamil Nadu is 41,199,168 of which 50·6 per cent are males and 49·4 per cent are females. 28,734,334 persons or 69·7 per cent of the population are in rural areas and the remaining 12,464,834 persons or 30·3 per cent are in urban areas.

Of the total population, 14,741,967 persons (35·8 per cent) are classified as workers and 26,457,201 persons (64·2 per cent) as non-workers. Among the workers 11,667,065 (79·1 per cent) are males and 3,074,902 (20·9 per cent) are females.

Literates form 39·5 per cent of the total population (16,256,393 persons) as against 31·4 per cent in 1961. Madras City has the highest percentage of literacy viz. 62·01, while Dharmapuri district has the lowest percentage viz., 22·3.

According to Census 1971, the density of population in Tamil Nadu works out to 317 per sq. km. Madras City has the highest density of population viz., 19,293 while Dharmapuri district has the lowest density of population viz. 174.

The population of scheduled castes and scheduled tribes in Tamil Nadu is 7,627,110 forming 18·51 per cent of the total population. 7315,595 persons belong to scheduled castes and 311,515 persons to scheduled tribes. Chengalpattu district has the largest percentage of these two classes of people i.e. 27·22 while Kanyakumari district has the lowest percentage of scheduled castes and scheduled tribes i.e. 4·12.



TABLE NO. 2.1—AREA AND POPULATION BY DISTRICTS,

(as per Census 1971)

District/State.	Area. IN SQ. KM.		
	Total.	Rura .	Urban.
(1)	(2)	(3)	(4)
1 Madras	128.0	....	128.0
2 Chengalpattu	7,920.0	7,219.0	641.0
3 North Arcot	12,265.0	12,026.6	238.4
4 South Arcot	10,898.0	10,659.6	238.4
5 Tiruchirappalli	11,114.3	10,769.0	345.3
6 Pudukottai	4,649.9	4,594.5	55.4
7 Thanjavur	8,261.8	7,943.6	318.2
8 Madurai	12,626.0	12,168.0	461.0
9 Ramanathapuram	12,578.0	12,176.9	401.1
10 Tirunelveli	11,433.0	10,673.7	759.3
11 Kanyakumari	1,684.0	1,641.2	42.8
12 Salem	8,643.0	8,291.9	351.1
13 Dharmapuri	9,643.0	9,575.4	67.6
14 Coimbatore	15,673.0	14,733.8	939.2
15 Nilgiris	2,549.0	1,642.5	906.5
State	1,30,069.0	1,24,175.5	5,893.5

District/State.	Population.		
	Total.	Rural.	Urban.
(1)	(5)	(6)	(7)
1 Madras	2469,449	....	2,469,449
2 Chengalpattu	2,907,599	1,896,909	1,010,690
3 North Arcot	3,755,797	2,972,702	783,095
4 South Arcot	3,617,723	3,104,726	512,997
5 Tiruchirappalli	3,192,134	2,433,755	758,379
6 Pudukottai	947,351	832,372	114,979
7 Thanjavur	3,550,063	2,778,375	771,688
8 Madurai	3,938,197	2,614,003	1,324,194
9 Ramanathapuram	2,800,207	2,113,545	686,662
10 Tirunelveli	3,200,515	2,171,019	1,029,496
11 Kanyakumari	1,222,549	1,018,144	204,405
12 Salem	2,992,616	2,197,234	795,382
13 Dharmapuri	1,677,775	1,533,834	143,941
14 Coimbatore	4,373,178	2,816,936	1,556,242
15 Nilgiris	494,815	250,780	243,235
State	41,199,108	28,734,334	12,464,834

TABLE No. 2.2 GROWTH RATE, DENSITY, SEX RATIO AND LITERACY.
as per census 1971

District/State.	(1)	Decennial Growth Rate	Density per sq. km.	Number of females per 1000 males	Literacy Rate		
					Persons	Males	Females.
		(2)	(3)	(4)	(5)	(6)	(7)
1 Madras	42.81	19293	904	62.01	70.57	52.54
2 Chengalpattu	32.38	367	948	39.73	51.76	27.03
3 North Arcot	19.37	306	971	34.66	47.55	21.39
4 South Arcot	18.69	332	969	31.14	44.06	17.80
5 Tiruchirappalli	19.60	287	987	38.79	52.40	25.02
6 Pudukkottai	26.62	204	1011	31.40	46.05	16.90
7 Thanjavur	17.75	430	994	40.30	53.55	26.96
8 Madurai	22.63	312	986	41.51	55.07	27.77
9 Ramenathapuram	18.11	227	1042	39.74	54.72	25.39
10 Tirunelveli	17.22	280	1042	44.83	57.13	33.02
11 Kanyakumari	—	22.63	726	972	58.21	64.12	52.14
12 Salem	—	21.07	346	963	31.71	42.68	20.33
13 Dharmapuri	—	25.94	174	969	22.32	31.66	12.67
14 Coimbatore	—	22.93	279	957	38.90	51.33	25.90
15 The Nilgiris	—	20.70	194	944	47.03	58.48	34.90
State	—	22.30	317	978	39.46	51.78	26.86

TABLE NO. 2.3 SCHEDULED CASTES AND SCHEDULED TRIBES.
as per census 1971

	District/State	Scheduled Castes (2)	Percentage to district population (3)	Scheduled Tribes (4)	Percentage to district population (5)	Scheduled Castes and Scheduled Tribes (6)	Percentage to district population (7)
	(1)						
1	Madras	259,119	10.49	928	0.04	260,047	10.53
2	Chengalpattu	763,991	26.28	27,189	0.94	791,180	27.22
3	North Arcot	725,885	19.33	70,727	1.88	796,612	21.21
4	South Arcot	937,894	25.92	14,105	0.39	951,999	26.31
5	Dharmapuri	227,825	13.58	30,123	1.80	257,948	15.38
6	Salem	480,317	16.05	94,383	3.15	574,700	19.20
7	Coimbatore	688,271	15.74	26,021	0.60	714,292	16.34
8	The Nilgiris	92,694	18.76	19,869	4.02	112,563	22.78
9	Madurai	587,874	14.93	6,707	0.17	594,581	15.10
10	Tiruchirapalli	580,211	18.17	14,731	0.46	594,942	18.64
11	Thanjavur	808,112	22.76	922	0.03	809,034	22.79
12	Pudukkottai	151,294	15.97	278	0.03	151,572	16.00
13	Ramanathapuram	459,616	16.07	1,056	0.03	460,672	16.11
14	Tirunelveli	504,956	15.78	1,614	0.05	506,570	15.83
15	Kanyakumari	47,536	3.89	2,862	0.23	50,398	4.12
	State	7,315,595	17.76	311,515	0.75	7,627,110	18.51

TABLE NO. 2.4 POPULATION BY CATEGORIES OF WORKERS-1971.
as per census 1971

District/State	Cultivators	Agricultural labourers	Livestock Forestry, Fishing, Hunting and Plantations Orchards and Allied activities	Mining and quarrying	Manufacturing, Processing and Service and Repairs	
					In Household Industry (a)	Non-Household Industry (b)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1 Madras —	1,061	649	8,923	223	11,171	179,486
2 Chengalpattu —	238,790	330,254	19,389	2,183	50,230	112,792
3 North Arcot —	510,096	416,303	17,184	4,104	54,759	92,976
4 South Arcot —	523,709	464,411	18,255	14,185	24,522	43,967
5 Tiruchirappalli —	502,425	330,442	11,191	3,171	39,754	97,092
6 Pudukkottai —	187,427	64,441	3,799	908	6,339	12,618
7 Thanjavur —	316,281	518,167	23,256	351	30,597	51,194
8 Madurai —	420,324	526,238	36,325	3,805	46,406	108,319
9 Ramanathapuram —	371,900	275,045	25,671	1,817	58,401	90,760
10 Tirunelveli —	290,757	360,858	33,821	4,081	105,503	117,632
11 Kanyakumari —	58,120	126,447	27,349	632	18,857	30,516
12 Salem —	410,554	331,347	14,540	8,982	108,393	111,900
13 Dharmapuri —	349,768	160,727	6,200	2,319	8,202	12,467
14 Coimbatore —	417,124	570,330	55,296	3,167	105,859	225,563
15 Nilgiris —	9,451	14,406	102,146	726	920	15,142
State —	4,607,787	4,490,065	403,295	50,654	669,913	1,302,424
Percentage	31.26	30.46	2.74	0.34	4.54	8.83

Table No. 2.4 POPULATION BY CATEGORIES OF WORKERS -1971--cont.

As per Census-1971

District/State	Construction	Trade and Commerce	Transport storage and communication	Other services	Total workers	Non-workers
(1)	(8)	(9)	(10)	(11)	(12)	(13)
Madras	..	169,531	129,334	162,504	696,379	1,773,070
Chengalpattu	..	64,724	41,302	104,669	980,755	1,926,844
North Arcot	..	81,321	35,510	106,903	1,333,169	2,422,628
South Arcot	..	56,053	21,803	78,802	1,255,163	2,362,560
Tiruchirappalli	..	80,620	32,428	88,213	1,202,033	1,990,101
Pudukkottai	..	19,477	4,138	21,959	323,649	623,702
Thanjavur	..	96,911	23,050	110,000	1,183,096	2,366,967
Madurai	..	127,827	34,123	133,036	1,453,938	2,484,259
Ramanathapuram	..	78,307	14,498	91,966	1,020,345	1,839,862
Tirunelveli	..	97,887	28,822	116,488	1,171,516	2,028,999
Kanyakumari	..	26,602	9,376	42,767	350,494	872,055
Salem	..	68,248	33,643	75,078	1,182,279	1,810,337
Dharmapuri	..	25,273	7,225	33,899	610,873	1,066,897
Coimbatore	..	148,756	44,457	171,098	1,786,460	2,386,718
Nilgiris	..	12,685	5,949	26,333	191,813	302,202
State	..	1,154,222	465,657	1,363,715	14,741,967	26,457,201
Percentage	..	7.83	3.16	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 1975-76. Out of which the net area sown accounted for 6.0 million hectares, the area cultivable but not cultivated showed 2.7 million hectares and the uncultivable land was 4.3 million hectares. Out of the 6.0 million hectares of the net area sown, 2.6 million hectares or about 43% was irrigated. The area sown more than once was 1.2 million hectares of which 0.8 million hectares or about 65% was irrigated.

Out of 2.7 million hectares of total area cultivable but not cultivated, 1.4 million hectares or 52% was under current fallows and the remaining 48% 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%) of forest land and 2.3 million hectares (54%) of other uncultivable area including land put to non-agricultural uses.

The gross cropped area was 7.2 million hectares out of which 3.4 million hectares or 47% was irrigated.



Table No. 3.1 LAND UTILISATION 1975-76

(Area in hectares)

District	Uncultivable land			Area cultivable but not cultivated				Land under miscellaneous tree crops and groves not included in the net area sown		
	Total geographical area by village papers	Forests	Barren & uncultivable land	Land put to non-agricultural uses	Total	Cultivable waste	Permanent pastures & other grazing lands	Land under miscellaneous tree crops and groves not included in the net area sown	Current fallows	Other fallow land
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	(11)
Madras	12,800	—	—	12800	12,800	—	—	—	—	—
Chengalpattu	783,938	43,150	31,021	183,538	257,709	21,759	33,966	27,717	93,463	16,367
South Arcot	1,089,884	52,819	125,284	117,936	296,039	62,776	10,994	47,415	91,877	40,082
North Arcot	1,230,223	318,888	67,184	126,985	513,057	31,400	9,376	10,119	86,284	43,163
Salem	862,006	157,248	69,937	68,633	295,818	26,569	14,090	5,085	72,260	27,194
Dharmapuri	962,913	317,294	79,492	77,460	474,246	10,312	11,370	5,426	28,998	8,945
Coimbatore	1,573,132	388,534	19,274	131,493	539,301	6,926	9,229	12,885	265,997	39,809
Tiruchirappalli	1,112,090	77,974	40,528	145,910	264,412	45,529	40,693	16,997	133,498	32,301
Pudukkottai	466,130	25,284	10,840	128,593	164,717	18,590	4,411	7,957	51,246	22,149
Thanjavur	819,518	10,451	34,368	135,604	181,423	20,747	4,101	20,193	20,614	22,525
Madurai	1,266,396	240,473	85,233	113,225	438,931	25,917	11,757	15,680	162,263	36,438
Ramanathapuram	1,250,275	47,831	19,580	231,690	299,101	40,952	3,100	5,044	199,124	98,267
Tirunelveli	1,141,623	132,676	40,119	153,561	326,356	56,915	22,214	22,597	204,976	130,556
The Nilgiris	254,464	108,831	33,814	11,790	154,435	16,508	8,792	7,489	4,555	3,736
Kanyakumari	167,166	50,539	7,486	19,786	77,811	748	224	2,185	400	253
STATE	12,998,978	1,971,992	664,160	1,660,004	4,296,156	385,418	184,317	206,789	1,415,555	521,785

Table No. 3.1 LAND UTILISATION 1975-76-cont.

Area in hectares

District	Total (7 to 11)	Net area sown			Area sown more than once			Gross cropped area		
		Irrigated	Unirrigated	Total	Irrigated	Unirrigated	Total	Irrigated	Unirrigated	Total (15 + 18)
(1)	(12)	(13)	(14)	(15)	(16)	(17)	(18)	(19)	(20)	(21)
Madras										
Chengalpattu	193272	243069	95813	338957	109688	22461	132149	352757	118349	471105
South Arcot	253144	286920	253781	540701	105065	48751	153816	391985	302532	694517
North Arcot	180342	258591	278133	536824	78775	55047	133822	337466	333180	670646
Salem	145198	115263	305727	420990	33728	24778	58506	148991	330505	479496
Dharmapuri	65051	65618	357988	423616	20762	25746	46508	86380	383744	470124
Coimbatore	334846	290914	408071	698985	61530	50650	118180	358444	458721	817165
Tirachirappalli	269018	166638	412022	578660	59848	19520	79368	226486	431542	658028
Pudukkottai	104353	98665	98395	197060	16716	1730	18446	115381	100125	215505
Tanjavur	87680	474126	76689	550815	165684	159876	325560	639810	236565	876375
Madurai	252055	193900	381510	575410	57715	4823	62358	251615	386333	637948
Ramanathapuram	346487	216213	388474	604687	12163	1686	13849	228376	390160	618536
Tirunelveli	437258	116217	251792	378009	56882	15029	71911	183099	266821	449920
The Nilgiris	41080	95	58854	58949	—	1194	1194	95	60048	60143
Kanyakumari	3310	28690	56875	85565	26734	3426	30160	55424	50301	115725
STATE	2713594	2565019	3424209	5989228	811290	434717	1246007	3376309	3858926	7235235

IRRIGATION.

Out of 6.0 million hectares of net area sown in 1975—76, 2.6 million hectares or 43 per cent was irrigated. The proportion of net area irrigated to the net area sown was above 50 per cent in the deltaic district of Thanjavur, which was 86.1 per cent. In the non-deltaic districts of Chengalpattu, South Arcot and Pudukkottai, the percentages are 71.7, 53.1 and 50.1 respectively. It was less than 50 per cent in the other districts of the State as indicated below.

Table No. 3.2 Percentage to Net area Irrigated to Net area sown.

<i>District</i>	<i>Percentage of net area irrigated to the net area sown.</i>
1. North Arcot	48.2
2. Coimbatore	41.6
3. Ramanathapuram	35.8
4. Madurai	33.7
5. Kanyakumari	33.5
6. Tirunelveli	33.4
7. Tiruchirappalli	28.8
8. Salem	27.4
9. Dharmapuri	15.5
10. The Nilgiris	0.2

The different sources of irrigation and the percentages of area irrigated by each to the total net area irrigated are shown below.

Table No. 3.3 Percentage of area Irrigated to the total net Area Irrigated.

<i>Source of irrigation</i>	<i>Percentage of area irrigated to the total net area irrigated</i>
1. Government canals	35.5
2. Wells (Tube wells and ordinary wells)	33.9
3. Tanks	29.2
4. Other sources including Private canals	1.4

Government Canals and Tanks

Government canals were the principal source of irrigation in the district of Thanjavur (97.4 per cent) Kanyakumari (56.8 per cent), Tiruchirappalli (48.4 per cent) and Coimbatore (47.9 per cent). The districts in which tank irrigation was the important source are given below together with the percentage area of irrigated.

Table No. 3.4 Percentage of area Irrigated Tank Irrigation to Net area irrigated.

<i>District</i>	<i>Percentage of area irrigated from tanks to the total net area irrigated in the district.</i>
1. Ramanathapuram	82.2
2. Pudukkottai	78.5
3. Chengalpattu	63.4
4. Kanyakumari	39.1
5. North Arcot	38.0
6. Tirunelveli	36.6
7. South Arcot	27.1

Wells and other sources.—Wells including tube wells were the chief source of irrigation in Salem, Dharmapuri, North Arcot, Coimbatore, Tirunelveli, Madurai, Tiruchirappalli and South Arcot districts accounting for 76.8 per cent, 59.5 per cent, 53.0 per cent, 50.0 per cent, 46.6 per cent, 46.1 per cent, 35.0 per cent and 27.9 per cent respectively.

Net area irrigated by springs, channels and Kasa ms was negligible in the Nilgiris district.

Wells supplementing other Irrigation sources.—Wells supplementing other irrigation sources served fairly in large area in North Arcot, Chengalpattu and South Arcot Districts. Their percentages to the total net area irrigated in the districts being 10.9, 10.0 and 8.3 respectively.

Crops irrigated.—The area of crops irrigated in the State was 3.4 million hectares. It was more than 50 per cent of the gross area sown under all crops in the district of Chengalpattu and Thanjavur, the percentages being 74.9 and 73.0 respectively. It was less than 25 per cent of gross area sown in the districts of Dharmapuri (18.4 per cent) and the Nilgiris (0.2 per cent).

Of the total area of crops irrigated, 81.5 per cent was under cereals and pulses, 3.8 per cent under sugarcane 5.2 per cent under oil-seeds (groundnut, gingelly and castor), 2.1 per cent under cotton and the remaining 7.4 per cent under other crops.

The area irrigated more than once was 0.8 million hectares.



TABLE NO. 3·5—AREA IRRIGATED BY SOURCE/CROPS—1975-76.

			Net area irrigated by.				(Area in hectares)
District.			Government canals and private canals.	Tanks.	Wells including tube-wells.	Other Sources.	Total net area irrigated.
(1)			(2)	(3)	(4)	(5)	(6)
1	Madras	.. ..	..	..	..	..	..
2	Chengalpattu	.. ..	9,027	154,232	71,107	8,703	243,069
3	South Arcot	.. ..	75,501	77,816	122,033	11,570	286,920
4	North Arcot	.. ..	19,365	98,313	136,289	2,624	258,691
5	Salem	.. ..	16,416	8,225	88,312	2,110	115,263
6	Dharmapuri	.. ..	7,072	17,971	39,036	1,539	65,618
7	Coimbatore	.. ..	139,975	41,365	145,377	1,197	290,914
8	Tiruchirappalli	.. ..	80,579	22,561	60,292	3,186	166,638
9	Pudukkottai	.. ..	10,427	77,449	10,602	187	98,665
10	Thanjavur	.. ..	461,642	3,735	6,822	1,927	474,126
11	Madurai	.. ..	53,042	49,535	89,770	1,553	193,900
12	Ramanathapuram	.. ..	322	177,772	38,006	113	216,213
13	Tirunelveli	.. ..	20,722	46,133	59,128	184	126,217
14	The Nilgiris	.. ..	..	..	..	95	95
15	Kanyakumari	.. ..	16,301	11,701	323	365	28,690
State			910,441	749,828	869,397	35,353	2,565,019

										(Area in hectares)			
										Area irrigated under.			
District.										Paddy.	Wheat.	Other cereals and pulses.	Sugarcane.
(1)										(7)	(8)	(9)	(10)
1	Madras	..	..	..	..	..	..	..	..	..	..	..	..
2	Chengalpattu	..	..	..	..	..	299,121	..	..	21,370	..	2,697	..
3	South Arcot	..	..	..	..	..	280,287	..	..	30,198	..	21,467	..
4	North Arcot	..	..	..	..	..	236,153	15	..	32,231	..	27,992	..
5	Salem	..	..	..	..	..	61,849	..	..	36,290	..	9,218	..
6	Dharmapuri	..	..	..	..	..	48,857	25	..	13,754	..	8,325	..
7	Coimbatore	..	..	..	..	..	125,866	93	..	85,281	..	30,515	..
8	Tiruchirappalli	..	..	..	..	..	144,913	..	..	29,215	..	9,010	..
9	Pudukkottai	..	..	..	..	..	101,896	..	..	5,483	..	323	..
10	Thanjavur	..	..	..	..	..	607,490	..	..	4,427	..	6,161	..
11	Madurai	..	..	..	..	..	145,404	68	..	48,513	..	6,474	..
12	Ramanathapuram	..	..	..	..	..	163,193	..	..	27,390	..	4,638	..
13	Tirunelveli	..	..	..	..	..	110,930	..	..	31,513	..	1,002	..
14	The Nilgiris	..	..	..	..	..	11	..	..	..	..	..	..
15	Kanyakumari	..	..	..	..	..	52,901	..	..	10	..	1	..
State							2,378,871	201	..	365,675	..	127,823	..

TABLE NO. 3·5—AREA IRRIGATED BY SOURCES / CROPS—1975-76—cont.

						(Area in hectares)			
						Area irrigated under.			
District.						Cotton.	Oilseeds.	Others.	Total.
(1)						(11)	(12)	(13)	(14)
1	Madras	..	..	..	..	..	..	..	..
2	Chengalpattu	..	..	..	..	2	22,267	7,300	352,757
3	South Arcot	..	..	..	..	2,894	46,318	10,821	391,985
4	North Arcot	..	..	..	..	45	30,481	10,549	337,466
5	Salem	..	..	..	..	4,057	10,020	27,557	148,991
6	Dharmapuri	..	..	..	..	1,568	6,258	7,593	86,380
7	Coimbatore	..	..	..	..	37,495	40,849	38,345	358,444
8	Tiruchirappalli	..	..	..	..	1,022	12,311	30,015	226,486
9	Pudukkottai	..	..	..	..	149	5,229	2,301	115,381
10	Thanjavur	..	..	..	..	55	12,493	9,184	639,810
11	Madurai	..	..	..	..	13,535	11,116	26,505	251,615
12	Ramanathapuram	..	..	..	..	4,549	5,340	22,266	228,376
13	Tirunelveli	..	..	..	..	5,728	5,247	28,679	183,099
14	The Nilgiris	..	..	..	..	..	..	84	95
15	Kanyakumari	..	..	..	..	..	475	2,037	55,424
State						72,099	208,404	223,236	3,376,309

INDEX NUMBERS OF AGRICULTURAL ECONOMY

The index numbers of area under crops (Triennium ended 1969—70=100) has decreased by 2.7 points from 101.3 in 1975—76 to 98.6 points in 1976—77.

The index of yield has decreased by 0.1 points from 126.7 in 1975—76 to 126.6 in 1976—77.

The index of agricultural production has decreased by 3.4 points from 129.5 in 1975—76 to 126.1 in 1976—77.

The Index of cropping pattern has increased by 0.4 point from 100.7 in 1975—76 to 101.1 in 1976—77.

The index of net area sown has increased by 0.3 points from 99.6 in 1975—76 to 99.9 in 1976—77.

The index of cropping intensity has decreased by 3.0 points from 101.7 in 1975—76 to 98.7 points in 1976—77.

The index of productivity per hectare has decreased by 3.8 points from 130.0 in 1975—76 to 126.2 in 1976—77.

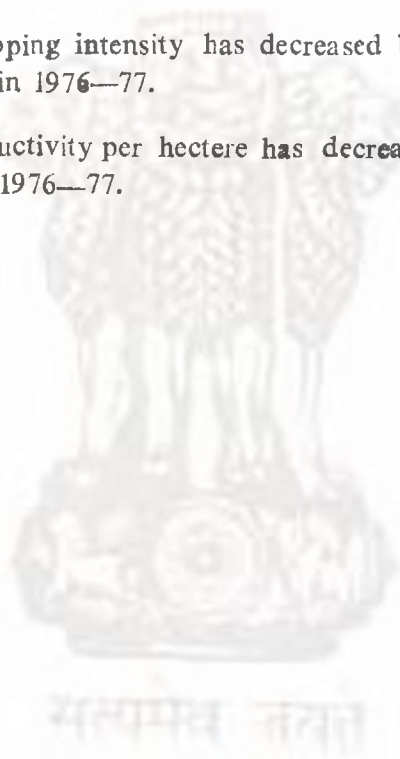


TABLE NO. 3.6—INDEX NUMBERS OF AGRICULTURAL ECONOMY.

(Triennium ending 1969-70=100)							
Crops.	Index of area under crops.			Index of Yield.			
	1974-75.	1975-76.	1976-77. (P)	1974-75.	1975-76.	1976-77	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	
A. Food Group—							
Total Cereals	88.0	102.3	95.7	101.6	131.1	137.7	
Total Pulses	113.5	113.3	132.2	92.6	93.9	100.1	
Total Food Group	90.0	103.2	98.6	101.3	130.0	136.3	
B. Non Food Group—							
Total Oil seeds	98.7	93.0	94.9	102.4	120.6	106.4	
Fibre	87.9	73.4	73.4	101.2	111.9	119.5	
Total Plantation crops ..	115.7	121.1	121.1	117.7	110.5	110.7	
Condiments and spices ..	101.3	132.3	130.8	90.8	117.0	99.7	
Total Fruits and Vegetables	107.4	105.9	109.3	128.2	155.0	150.5	
Total Non food group ..	101.1	96.8	98.7	106.8	123.8	118.5	
General	93.3	101.3	98.6	104.5	126.7	126.6	

Crops.	Index of Agricultural Production.			Index of cropping pattern.			
	1974-75.	1975-76.	1976-77. (P)	1974-75.	1975-76.	1976-77. (P)	
(1)	(8)	(9)	(10)	(11)	(12)	(13)	
A. Food Group—							
Total Cereals	90.1	134.3	130.4	100.6	100.0	99.0	
Total Pulses	129.4	133.2	166.8	122.4	124.4	125.9	
Total Food Group	90.9	134.3	131.2	99.5	99.9	97.5	
B. Non Food Group—							
Total Oil Seeds	109.1	125.2	110.2	108.0	111.6	109.2	
Fibre	89.0	82.1	100.3	100.3	100.1	100.2	
Total Plantation crops ..	137.3	136.4	136.4	100.7	101.8	101.8	
Condiments and spices ..	101.0	157.8	132.6	110.3	102.0	101.7	
Total Fruits and Vegetables	136.8	157.7	157.0	99.0	95.7	95.4	
Total Non Food group ..	115.8	125.2	121.7	106.5	104.2	104.0	
General	103.9	129.5	126.1	106.3	100.7	101.1	

	1974-75.	1975-76.	1976-77.
Index of Net area sown	92.3	99.6	99.9
Index of cropping intensity	101.1	101.7	98.7
Index of productivity per hectare	112.6	130.0	126.2

P = Provisional

WAGES PAID TO CERTAIN CATEGORIES OF AGRICULTURAL LABOURERS

The index numbers of wages paid to the agricultural labourers during the quarter ended December, 1977 have shown an upward trend over the previous quarter in the case of all categories of labourers except nonadults under 'Tending Cattle'. The increase ranged from 3 points to 47 points while the decrease is 6 points.



TABLE No. 3.7 INDEX NUMBERS OF WAGES PAID TO CERTAIN CATEGORIES OF AGRICULTURAL LABOUR.

Year/Month.	Field labourers.			Tending Cattle.			Other Agricultural labourers.			
	Men.	Women.	Non adults.	Men.	Women.	Non-adults.	Men.	Women	Non-adults.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)	(10)	
1972	..	230	220	253	187	197	222	203	180	230
1973	..	240	226	260	198	200	232	225	198	253
1974	..	322	296	341	239	236	281	292	259	326
1975	..	405	391	418	344	345	361	376	338	377
1976	..	384	381	406	336	336	359	386	346	394
1977	..	395	398	439	333	316	361	398	353	420
1977	..	380	395	410	345	305	352	391	348	404
January	..	387	397	431	341	305	357	393	346	413
February	..	391	399	419	356	305	359	402	360	399
March	..	390	394	422	356	305	354	403	349	383
April	..	406	410	431	355	305	351	403	347	400
May	..	403	397	427	344	284	357	398	347	399
June	..	390	390	438	317	303	380	390	333	429
July	..	387	377	441	309	325	361	387	338	400
August	..	395	385	451	320	326	366	396	345	422
September	..	407	402	462	319	326	364	402	375	455
October	..	402	412	468	320	342	362	407	375	422
November	..	402	417	468	315	357	364	406	364	465
December	..									

ESTIMATED AREA UNDER MAJOR FOOD AND NON-FOOD CROPS

The districtwise and crop wise estimates of area framed from the particulars collected in respect of 20% of sample villages selected for the year 1977-78 are presented in the Tables 3.8 to 3.14 together with the corresponding estimates of area for the year 1976-77.



TABLE NO. 3.8—ESTIMATES OF AREA UNDER PADDY FOR KHARIF SEASON 1977-78 ACCORDING TO TRS IN TAMIL NADU.

District.	Estimated area in '000' Hectares in 1977-78.			Estimated area in '000' Hectares in 1976-77.			Per cent- variation over 1976-77.
	Irrigated area.	High Yielding.	Total.	Irrigated area.	High Yielding.	Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Chengalpattu	157	82	183	176	82	204	-1.03
South Arcot	141	94	153	128	77	140	+9.3
North Arcot	141	55	145	126	37	130	+11.5
Salem	25	13	26	16	4	17	+52.9
Dharmapuri	30	2	32	23	3	25	+28.0
Coimbatore	44	32	44	34	32	34	+29.4
Tiruchirappalli	71	38	89	55	34	70	±27.1
Pudukottai	49	30	57	36	24	42	+35.7
Thanjavur	378	344	386	252	239	298	+29.5
Madurai	84	70	97	25	14	26	@
Ramanathapuram	109	32	161	64	19	111	+45.0
Tirunelveli	40	17	40	16	9	16	@
Kanyakumari	28	8	28	14	3	15	±86.7
Total	1,297	817	1,441	965	577	1,128	27.7

@ Percentage variation is large hence not shown

TABLE NO. 3.9

ESTIMATES OF AREA UNDER CHOLAM FOR KHARIF SEASON 1977—78 ACCORDING TO TRS

District	Estimated Area in '00' Hectares in 1977—78		Estimated Area in '00' Hectares in 1976—77		Percentage variation over 1976—77
	Irrigated Area	Total Area	Irrigated Area	Total Area	
Chengalpattu	2	2	2	3	-33.3
South Arcot	9	284	6	307	-7.5
North Arcot	11	298	11	345	-13.6
Salem	31	490	34	391	+25.3
Dharmapuri	8	546	33	486	+12.3
Coimbatore	176	1225	100	1234	+18.5
Tiruchirapalli	25	1147	32	1229	-6.7
Pudukottai	31	67	3	23	@
Thanjavur	0	0	0	0	0
Madurai	156	737	50	928	-20.6
Ramanathapuram	26	71	8	63	+12.7
Tirunelveli	80	144	66	124	+16.1
Total	555	5011	345	4933	+1.6

@Percentage variation is large, hence not shown.

TRS = Timely Reporting Scheme

TABLE NO. 3.10 ESTIMATES OF AREA UNDER CUMBU FOR KHARIF SEASON 1977—78
ACCORDING TO TRS IN TAMIL NADU

District	Estimated Area in '00' Hectares in 1977—78		Estimated Area in '00' Hectares in 1976—77		Percentage variation over 1976—77
	Irrigated Area	Total Area	Irrigated Area	Total Area	
Chengalpattu	22	31	17	30	+3.3
South Arcot	51	747	33	619	20.7
North Arcot	29	132	25	160	-17.5
Salem	20	327	57	377	-13.3
Dharmapuri	14	143	16	115	+24.3
Coimbatore	63	256	56	211	+21.3
Tiruchirapalli	82	775	75	791	+2.0
Pudukottai	0	7	0	7	0
Thanjavur	2	5	2	7	-28.6
Madurai	21	108	21	109	-0.9
Ramanathapuram	8	81	25	144	-43.8
Tirunelveli	17	100	14	130	-23.1
Total	329	2712	341	2700	+0.4

TRS = Timely Reporting Scheme.

TABLE 3.11—ESTIMATES OF AREA UNDER RAGI FOR KHARIF SEASON 1977-78 ACCORDING TO TRS.

District.	Estimated area in '00' hectares in 1977-78.		Estimated area in '00' hectares in 1976-77.		Percentage variation over 1976-77
	Irrigated area.	Total area.	Irrigated area.	Total area.	
(1)	(2)	(3)	(4)	(5)	(6)
1 Chengalpattu	73	84	86	114	-26.3
2 South Arcot	49	59	64	68	-13.2
3 North Arcot	41	84	44	58	+44.8
4 Salem	16	120	9	190	-36.8
5 Dhatmapuri	60	1,000	52	701	+ 42.7
6 Coimbatore	128	191	81	228	-16.2
7 Tiruchirappalli	19	44	18	29	+51.7
8 Pudukkottai	8	41	6	20	@
9 Thanjavur	41	42	14	17	@
10 Madurai	26	39	46	60	-35.0
11 Ramanathapuram	77	130	60	138	-5.8
12 Tirunelveli	57	58	29	37	+56.8
Total	594	1,892	509	1,660	+14.0

@Percentage variation is large, hence not shown.

TRS = Timely Reporting Scheme.

TABLE NO. 3.12—ESTIMATES OF AREA UNDER COTTON FOR KHARIF SEASON 1977-78. ACCORDING TO TRS

District.	Estimate area in '00' hectares in 1977-78.		Estimated area in hectares in 1976-77.		Percentage variation over 1976-77
	Irrigated area.	Total area.	Irrigated area.	Total area.	
(1)	(2)	(3)	(4)	(5)	(6)
1 Chengalpattu	0	1	0	7	-85.7
2 South Arcot	21	34	13	27	+25.9
3 North Arcot	2	3	1	9	-66.7
4 Salem	34	137	29	106	+29.2
5 Dharmapuri	16	51	5	11	@
6 Coimbatore	240	263	162	223	+17.9
7 Tiruchirappalli	10	34	3	21	+61.9
8 Pudukkottai	1	5	2	2	@
9 Thanjavur	1	1	0	0	@
10 Madurai	124	270	65	190	+42.1
11 Ramanathapuram	14	122	2	129	-5.4
12 Tirunelveli	70	151	17	103	+46.6
Total	534	1,072	299	828	+29.5

@ Percentage variation is large, hence not shown.

TRS = Timely Reporting Scheme.

TABLE NO. 3.13—ESTIMATES OF AREA UNDER GROUNDNUT FOR KHARIF SEASON
1977-78, ACCORDING TO TRS.

District.					Estimated area in '00' hectares in 1977-78.		Estimated area in '00' hectares in 1976-77.		Percentage variation over 1976-77.
					Irrigated area.	Total area.	Irrigated area.	Total area.	
(1)	(2)	(3)	(4)	(5)	(6)				
1 Chengalpattu	69	322	43	359	—10.3				
2 South Arcot	105	930	61	1,028	—9.5				
3 North Arcot.. .. .	109	1,464	74	1,886	—22.4				
4 Salem	23	597	46	822	—27.4				
5 Dharmapuri	30	441	16	546	—19.2				
6 Coimbatore	91	798	40	692	+15.3				
7 Tiruchirappalli	16	453	26	414	+9.4				
8 Pudukkottai.. .. .	32	359	10	348	+3.2				
9 Thanjavur	22	76	15	139	—45.3				
10 Madurai	39	415	14	350	+18.6				
11 Ramanathapuram	23	194	15	211	—8.1				
12 Tirunelveli	31	54	6	15	⊙				
Total	590	6,103	366	6,810	—10.4				

@ Percentage variation is large, hence not shown.

TABLE NO. 3.14—ESTIMATES OF AREA UNDER POTATO IN KHARIF SEASON 1977-78 ACCORDING TO TRS.

District.	Estimated area in '00' hectares in 1977-78.		Estimated area in '00' hectares in 1976-77.		Percentage variation over 1976-77.
	gated area.	Total area.	Irrigated area.	Total area.	
(1)	(2)	(3)	(4)	(5)	(6)
1 The Nilgiris	0	25	0	18	38.9

TRS=Timely Reporting Scheme

Estimated Area and Yield of Coconut and Arecanut.—Considering the unsatisfactory position of the availability of area and yield Statistics of coconut and are canut crops a scheme for the correct estimation of area and yield of coconut and arecanut by conducting sample surveys was initiated in 1959-60 and continued since then.

According to the provisional estimates for 1976-77 Tamil Nadu has nearly 35.59 million coconut palms over an estimated area of 108903 hectares. The estimated bearing palms which was 65.8 per cent of the total palms yielded nearly 1094.9 million nuts during 1976-77.

As regards arecanut crop Tamil Nadu has 7.3 million palms over an estimated area of 4,011 hectares. The estimated bearing palms which was 67.4 per cent of the total palms yielded nearly 2,384 tonnes of cured arecanuts. The details are given in the statements enclosed.



TABLE NO. 3.15—PROVISIONAL ESTIMATES OF ARECANUT 1976-77

Serial number and District.	Estimated area in hectare.	Estimated number of palms in '000'		
		Bearing.	Non-bearing.	Total.
(1)	(2)	(3)	(4)	(5)
1 Salem and Dharmapuri	1,194	1,992	150	2142
2 Coimbatore	1,202	1,259	991	2,250
3 Tiruchirappalli, Thanjavur, Madurai and Tirunelveli	182	161	64	225
4 Kanniyakumari	1,433	1,505	1,173	2,678
Villages reported to be not growing arecanut		Negligible.		
State	4,011	4,917	2,378	7,295

TABLE NO. 3.15—PROVISIONAL ESTIMATES OF ARECANUT 1976-77 (contd.)

Serial number and District.	Yield in tonnes. (Green nuts with husks.)			Yield in tonnes. (Cured nuts)
	Ripe.	Tender.	Total.	
(1)	(6)	(7)	(8)	(9)
1 Salem and Dharmapuri	3,692	....	3,692	867
2 Coimbatore	1,752	....	1,752	607
3 Tiruchirappalli, Thanjavur, Madurai and Tirunelveli.	216	....	216	93
4 Kanyakumari	1,656	32	1,688	812
Villages reported to be not growing arecanut		Negligible.		
State	7,316	32	7,348	2,364

TABLE NO. 3.16 THE PROVISIONAL ESTIMATES OF COCONUT—1976—77

Sl. No.	District	Estimated area in hectare	Estimated number of palms in '000'			Yield of nuts in '000'
			Bearing	Non-Bearing	Total	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. Village growing coconut alone						
1	Chengalpattu	3386	522	364	886	27316
2	South Arcot	2191	471	243	714	23007
3	North Arcot	5977	1505	754	2259	82060
4	Salem	6968	2312	1010	3322	145299
5	Dharmapuri	6655	1563	787	2350	71306
6	Coimbatore	15083	3639	1577	5216	176396
7	Tiruchirappalli	3902	1436	473	1909	60931
8	Thanjavur	18523	4678	1178	5856	201867
9	Pudukkottai	1668	387	433	820	12590
10	Madurai	6325	1436	1111	2547	52582
11	Ramanathapuram	8408	971	1106	2077	31308
12	Tirunelveli	4331	556	375	931	21741
13	Kanniyakumari	15855	2145	1419	3564	105701
II. Villages reported to be not growing coconut						
		9631	1813	1328	3141	82795
STATE		108203	23434	12158	35592	1094899

IV. CROP PROSPECTS

During the quarter ended December 1977 better climatic conditions and improved irrigation potentials have given firm hopes of increased agricultural productivity.

As all tanks in Chengalpattu district were full, agricultural operations of various kinds were in full swing.

Sowing of paddy, cumbu, varagu and cholam in Kallakurichitaluk and transplantation of paddy in Ginjee taluk were in progress in South Arcot district. Harvest of paddy, Groundnut and Ragi crops was also done in certain parts of South Arcot district. Due to the heavy incessant rains during the second week of November 1977, an extent of 7,029 hectares was reported to have been submerged.

Transplantation of Navarai Paddy had commenced in North Arcot district and the standing samba paddy was being harvested in certain other parts of the district.

Harvest of groundnut, cholam, paddy, sugarcane, ragi and samai crops was done in parts of Dharmapuri district. Transplantation of paddy was also done in certain parts.

Sowing of paddy in Pollachi taluk, and Cholam in Udumalpet taluk and tobacco in garden lands of Gobichetti Palayam taluk was being done in Coimbatore district.

The heavy rain fall associated with the cyclonic storm was keenly felt in Thanjavur, Tiruchirappalli, part of Madurai and Pudukkottai districts. This has caused heavy floods and damaged the standing crops to a great extent.

Flood in Thanjavur district affected badly the harvest of Kuruvai paddy. No sowing could be done due to incessant rains. Transplantations of Thaladi paddy could not be proceeded with according to time schedule.

Plantains and betel-wines were damaged badly. Samba crop was mostly submerged and Thaladi crops were the worst affected.

In Ramanathapuram, both the wet crops and dry crops were affected and the yield was reported to be poor. Weeding, Manuring and applying of pesticides were being done in most of the places of Ramanathapuram district. Transplantation of paddy was also in progress in certain parts.

The general crop condition in the State as a whole was satisfactory. The latter part of the agricultural year 1977—78 is expected to be bright.

TABLE NO. 4.1 SUMMARY OF FORECAST REPORT ON CERTAIN CROPS.

Sl. No.	Name of the crop.	Name of the Report.	Area in hectares		Percentage variation of current year's crops as compared with previous year's crop.
			of current year's crop	of previous year's crop.	
(1)	(2)	(3)	(4)	(5)	(6)
1	Ginger	First forecast report 1976-77	720	600	-20.0
2	Tapioca	do.	49930	50070	-0.3
3	Garlic	First and final forecast report 1976-77	560	580	-3.4
4	Sweet potatoe	do.	6140	6810	-9.8
5	Senna	Third and final forecast report 1976-77	3000	3180	-5.7
6	Banana	Ad-hoc estimates 1976-77	43400	42240	-2.7
7	Indigo (Dyes)	do.	760	940	-19.1
8	Indigo (Green manure)	do.	2110	1560	-35.3
9	Cloves (Green)	do.	77	73	-5.5
10	Paday	First forecast report 1977-78	808000	695000	-16.3
11	Cholam	do.	383500	387600	-1.1
12	Cumbu	do.	178700	172700	-3.5
13	Ragi	do.	137100	135700	-1.0
14	Korra	do.	12200	12000	-1.7
15	Varagu	do.	137800	129800	-6.2
16	Samai	do.	96400	87700	-9.9
17	Redgram	do.	52050	52450	-0.8
18	Pepper	do.	200	150	-5.3
19	Gingelly	Second forecast report 1977-78	59320	57570	-3.0
20	Ground-nut	do.	814800	775200	-5.1
21	Sugarcane	do.	75100	67950	-10.5
22	Cotton	do.	63110	54920	-14.9
23	Mesta	Second and final forecast report 1977-78	130	120	-8.3

Production (in tonne)		Percentage variation of current year's production as compared with the previous year's.	Remarks.
of current year's crop. (7)	of previous year's crop. (8)		
		(9)	(10)
..	..	..	Production not worked out
1135060	1115800	+ 1.7	—
2870	2880	— 0.3	Production in terms of cured dry bulbs.
53290	57950	— 8.0	—
2640	2370	+ 11.4	Production in terms of leaves
9665450	9303020	+ 3.9	Production in quin- tals for fruit bearing orchard.
180	240	— 25.0	Production in quintals
.	.	..	Production not worked out
96	94	+ 2.1	—
..	..	..	Production not worked out
..	..	..	do.
..	..	..	do.
—	—	—	do.
—	—	—	do.
—	—	—	do.
—	—	—	do.
—	—	—	do.
..	..	..	do.
696460	567260	+ 22.8	In terms of unsheHed nuts
615780	503410	— 22.3	In terms of gur
..	..	..	Production not worked out
570	540	+ 5.6	Production in bales of 180 kg. dry fibre.

V. LIVESTOCK

The total livestock Population in Tamil Nadu as per the 12th Quinquennial survey is 236.4 Lakhs.

There is an increase of 209390 Livestock which works out to 0.89% when compared with the total livestock in the year 1974. The number of buffaloes and goats increased by 3.67% and 6.96% respectively. There is also an increase of 4.97% in respect of poultry. The cattle and sheep population decreased by 0.17% and 4.02% respectively.

TABLE NO. 5.1 LIVESTOCK POPULATION IN TAMIL NADU FOR THE YEAR 1977

Sl. No.	Items.	1977 @	1974	variation over 1974	Percentage of variation over 1974 figures.
(1)	(2)	(3)	(4)	(5)	(6)
1.	Cattle	10554568	10572378	-17810	-0.17
2.	Buffaloes	2958069	2853253	+104816	+3.67
3.	Sheep	5176409	5392821	-216412	-4.02
4.	Goats	4229629	3954477	+275152	+6.95
5.	Other Live stock	723859	660485	+63374	+9.59
6.	Total Live stock	23642534	23433414	+209120	+0.89
7.	Poultry	13623144	12977658	+645486	+4.97

(a) Provisional.

VI INDUSTRIES

ANNUAL SURVEY OF INDUSTRIES

The Annual Survey of Industries is conducted under the Collection of Statistics Act, 1953.

The factories registered under Section 2 (m) (i) and 2(m) (ii) of the Factories Act, 1948 are covered by the Annual Survey of Industries. The Survey is conducted in two parts, viz., Census and Non-Census. Under the Census sector, all factories using power and employing 50 or more workers and employing 100 or more workers, not using power are covered. The Non-Census sector comprises of all factories, employing 10 to 49 workers and using power and employing 20 to 99 workers without the aid of power.

The survey excludes from its purview, the units engaged in defence production, storage and distribution of oil, restaurants and services, technical training institutions not producing anything for sale or exchange for reasons of security or for their non-manufacturing activity.

The Annual Survey of Industries, 1974-75 has covered 6664 factories against 6458 factories during 1973-74. The productive capital, invested in various manufacturing industries during 1974-75, is Rs. 1583.10 crores showing an increase of 9.8 per cent over the corresponding productive capital for 1973-74.

The number of employees during 1974-75 increased by 6.5 per cent over 1973-74. The salaries and wages paid to employees also increased by 26.7 per cent over 1973-74. The value of output and the value added by manufacture, during 1974-75, showed an increase of 42.1 per cent and 31.1 per cent respectively over 1973-74.

In short, there was a general progress and considerable improvement in the industrial sector of the economy in Tamil Nadu during 1974-75.

TABLE NO. 6'1—RESULTS OF ANNUAL SURVEY OF INDUSTRIES, 1974-75—FACTORY SECTOR

Provisional

National Industrial Classification.	Units.	Fixed capital.	Working capital.	Productive capital.	Workers (numbers)	Wages
		Rs. in lakhs. (3)	Rs. in lakhs. (4)	Rs. in lakhs. (5)	(6)	Rs. in lakhs. (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1. Major Group 20-21						
Manufacture of Food Products ..	1,862	57,03	35,61	92,64	76,665	9,25
2. Major Group 22						
Manufacture of Beverages, Tobacco and Tobacco Products.	112	4.57	1,35	5,92	3,306	57
3. Major Group 23						
Manufacture of Cotton Textiles ..	713	79,70	1,18,02	1,97,72	111,022	48,80
4. Major Group 24 and 25						
Manufacture of Wool, Silk and Synthetic Fibre Textiles and manufacture of Jute, Hemp and Mesta Textiles.	190	12,34	7,75	20,09	7,991	3,11
5. Major Group 26						
Manufacture of Textiles Products, including wearing apparel other than foot-wear.	283	2,63	4,40	7,03	7,879	1,19
6 Major Group 27						
Manufacture of Wood and Wood Products, furniture and fixtures.	151	1,04	2,89	3,93	4,018	66
7. Major Group 28						
Manufacture of Paper and Paper products and printing publishing and allied industries.	582	32,05	16,19	48,24	20,698	7,44
8 Major Group 29						
Manufacture of Leather and Leather products.	295	7,82	6,90	14,72	11,953	2,89
9. Major Group 30						
Manufacture of rubber, plastic, petroleum and coal products.	160	58,40	32,99	91,39	9,961	5,40
10 Major Group 31.						
Manufacture of Chemical and Chemical products.	417	98,84	89,44	1,88,28	37,108	10,52
11. Major Group 32.						
Manufacture of non-metallic mineral products.	140	35,88	12,45	48,33	13,854	4,92
12. Major Group 33.						
Basic Metal and alloys industries ..	313	34,24	19,38	53,62	17,965	6,25
13. Major Group 34						
Manufacture of Metal products and parts except machinery and transport equipment	255	6,70	22,83	29,53	9,221	3,50
14. Major Group 35						
Manufacture of machinery, machine tools and parts, except electrical machinery.	380	55,76	69,82	1,25,58	27,122	13,90

TABLE NO. 6*1—RESULTS OF ANNUAL SURVEY OF INDUSTRIES, 1974-75—FACTORY SECTOR—cont.

Provisional

National Industrial Classifications.	Units.	Fixed capital.	Working capital.	Productive capital.	Workers (numbers)	Wages
		Rs. in lakhs. (3)	Rs. in lakhs. (4)	Rs. in lakhs. (5)		Rs. in lakhs. (7)
(1)	(2)	(3)	(4)	(5)	(6)	(7)
15. Major Group						
Manufacture of Electrical machinery apparatus, appliances and supplies and parts.	178	16,06	17,38	33,44	13,698	6,22
16. Major Group 37						
Manufacture of Transport equipment and parts.	146	50,54	74,58	1,25,12	42,360	25,07
17. Major Group 38						
Other Manufacturing Industries ..	57	6,24	3,09	9,33	3,422	1,01
18. Major Group 40						
Electricity	28	4,30,17	40,48	4,70,65	51,615	21,33
19. Major Group 41						
Gas and Steam	4	6	10	16	68	3
20. Major Group 42						
Water works and supply	7	1,07	2	1,09	185	6
21. Major Group 91.						
Sanitary Services	15	7	10	17	237	9
22. Major Group 95						
Recreational and cultural services ..	24	1,50	27	1,23	1,605	41
23. Major Group 96						
Personal Services	16	15	..	15	362	8
24. Major Group 97						
Repair Services	336	7,43	7,31	14,74	14,884	5,81
All Groups	6,664	10,0029	5,82,81	15,83,10	497,199	1,78,57

6.1 RESULTS OF ANNUAL SURVEY OF INDUSTRIES, 1974-75—FACTORY SECTOR

Provisional

National Industrial Classification.	Empl- yees (Num- bers.)	Emolu- ments	Output.	Input	Deprecia- tion	Value added by manu- facture.
		Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs.	Rs. in lakhs. (13)
(1)	(8)	(9)	(10)	(11)	(12)	
1. Major Group 20-21.						
Manufacture of Food Products	90,504	16,28	3,32,93	2,94,24	5,97	32,72
2. Major Group 22						
Manufacture of Beverages, Tobacco and Tobacco Products.	4,321	1,09	16,61	14,09	41	2,11
3. Major Group 23.						
Manufacture of Cotton Textiles	1,23,455	64,14	4,63,17	3,58,27	12,09	92,81
4. Major Group 24 and 25.						
Manufacture of Wool, Silk and Synthetic Fibre Textiles and manufacture of Jute, Hemp and Mesta Textiles.	8956	4,39	46,64	36,98	1,40	8,26
5. Major Group 26.						
Manufacture of Textile Products, including wearing apparel other than footwear.	8,986	1,62	24,60	21,45	29	2,86
6. Major Group 27.						
Manufacture of Wood and Wood Products, furniture and fixtures.	9,642	94	6,38	4,53	8	1,77
7. Major Group 28.						
Manufacture of Paper and Paper products and printing publishing and allied industries:	25,927	11,80	88,27	57,23	3,89	27,15
8. Major Group 29						
Manufacture of Leather and Leather products.	13,739	4,02	1,08,26	98,46	86	8,94
9. Major Group 30						
Manufacture of rubber, plastic, petroleum and coal products:	13,010	10,79	2,74,74	2,12,94	8,01	53,79
10. Major Group 31.						
Manufacture of Chemical and Chemical products.	43,576	18,26	2,62,66	1,92,98	14,13	55,55
11. Major Group 32.						
Manufacture of non-metallic mineral products	17,403	8,27	76,81	58,95	3,62	14,24
12. Major Group 33.						
Basic Metal and alloys industries	23,025	10,40	1,0532	81,63	3,19	20,50
13. Major Group 34.						
Manufacture of Metal products and parts except machinery and transport equipment.	11,525	5,51	49,76	36,48	1,14	12,14
14. Major Group 35.						
Manufacture of machinery, machine tools and parts except electrical machinery.	38,412	27,07	2,53,80	1,61,69	8,02	8,409

6.1 RESULTS OF ANNUAL SURVEY OF INDUSTRIES, 1974-75—FACTORY SECTOR—*cont.*
Provisional

<i>National Industrial Classification.</i>	<i>Em- ploy- ees (Num- bers.)</i>	<i>Emolu- ments Rs. in lakhs.</i>	<i>Output. Rs. in lakhs.</i>	<i>Input Rs. in lakhs.</i>	<i>Deprecia- tion Rs. in lakhs.</i>	<i>Value added by manu- facture. Rs. in lakhs. (13)</i>
(1)	(8)	(9)	(10)	(11)	(12)	(13)
5. Major Group 36.						
Manufacture of Electrical machinery apparatus, appliances and supplies and parts:	17,710	10,94	79,32	54,34	1,93	23,05
16. Major Group 37.						
Manufacture of Transport equipment and parts.	56,178	39,30	2,27,61	1,50,42	6,69	70,50
17. Major Group 38.						
Other manufacturing Industries ..	4,593	2,06	8,27	5,56	47	2,24
18. Major Group 40.						
Electricity	69,092	29,01	1,27,60	68,87	16,16	42,57
19. Major Group 41.						
Gas and Steam	92	6	69	84	1	16
20. Major Group 42.						
Water works and supply	244	9	74	58	6	10
21. Major Group 91.						
Sanitary Services	288	12	22	15	1	6
22. Major Group 95.						
Recreational and cultural services ..	1,970	67	2,55	1,41	14	1,00
23. Major Group 96.						
Personal Services	376	10	29	18	1	10
24. Major Group 97.						
Repair Services	19,435	9,25	40,99	31,48	61	8,90
ALL GROUPS	602,459	2,76,18	25,98,23	19,43,75	89,19	5,65,29

INDUSTRIAL PRODUCTION.

Industrial Production in Tamil Nadu improved during the quarter ended September 1977 as the average General Index (Base 1970 - 100) increased by 11.3 points or 8.5 per cent.

Sizeable increases in output were noticed in respect of Superior kerosene (78.3 per cent) caustic soda (48.8 per cent) Mixed Fertilizer (48.0 per cent), Pesticides (33.0 per cent) Metal containers (32.8 per cent), High Pressure Boilers and Fittings (56.6 Per cent), Transformers (41.1 per cent), Railway Coaches (30.6 per cent), Synthetic gemstones (79.3 percent).

Significant decrease in production were observed in respect of Refined oil (64.6 per cent), Tea (Processed) (33.6 per cent), Coffee (cured) (40.9 per cent), cut and Abrasives (28.2 per cent), Bonded Abrasives (43.0 percent) Frames (68.0 percent) Railway wagons (71.5 per cent) and Motor Vehicles Chassis (41.4 per cent).

Statements showing the Index Numbers and production of selected items of products are appended.



TABLE NO. 6,2 INDUSTRIAL PRODUCTION BY PRODUCTS.

S.No.	Name of the products.	Unit.	Production during.			
			April. (4)	May. (5)	June. (6)	Total. (7)
(1)	(2)	(3)				
MINING.						
1.	Lignite	Tonne	3,41,772	2,80,749	3,32,499	9,55,020
2.	Bauxite	Do.	5,774	4,678	4,050	14,502
3.	Limestone	Do.	3,57,414	3,48,900	3,92,119	10,98,433
4.	Magnesite	Do.	26,946	28,247	28,148	83,341
5.	Gypsum	Do.	5,304	5,337	9,836	20,477
MANUFACTURING						
6.	Sugar (Refined) ..	Do.	47,823	21,387	1,944	71,154
7.	Hydrogenated oil. (Vanaspathy)	Do,	629	670	693	1,992
8.	Refined oil	Do,	341	333	209	883
9.	Tea (Processed)	Do,	7,839	7,966	7,100	22,905
10.	Coffee (Cured)	Do,	844	764	772	2,380
11.	Cotton Yarn	Do,	13,982	13,367	14,585	41,934
12.	Cotton woven piece goods	'000' metres.	14,329	14,250	13,664	42,243
13.	Printing Paper	Tonne	2,120	2,354	2,055	6,529
14.	Tyres (all types)	No,	5,77,045	6,27,694	6,10,847	18,15,586
15.	Tubes (all types)	No,	4,71,748	4,41,372	4,47,007	13,60,127
16.	Superior Kerosene	Tonne.	11,482	23,819	22,065	57,366
17.	High Speed Diesel Oil	Do,	9,164	67,161	59,609	1,35,934
18.	Ammonia	Do,	36,457	16,008	39,406	91,871
19.	Caustic Soda	Do,	5,164	4,463	5,633	15,260
20.	Urea	Do,	60,069	19,620	59,600	1,39,289
21.	Super Phosphate	Do,	6,173	11,637	14,849	32,659
22.	Mixed Fertilizer	Do,	36,611	38,230	57,251	1,32,092
23.	Pesticides	Do,	1,060	1,219	1,320	3,59
24.	Paints and Enamels	Kg.	1,96,176	3,75,167	2,98,860	8,70,203
25.	Varnishes	Litre	19,317	36,697	25,217	81,231
26.	Safety Matches	Gross Boxes.	52,20,836	52,49,488	58,58,431	16,32,87,55
27.	Refractories	Tonne.	12,903	11,538	11,259	35,700
28.	Cement	Do,	2,44,189	2,77,096	2,89,137	8,10,422
29.	Asbestos Cement Products	Do,	6,020	5,855	6,201	18,076
30.	Coated Abrasives	Reams	7,759	8,009	7,438	23,206
31.	Bonded Abrasives	Tonne.	300	300	300	900
32.	Iron and Steel (Metal)	Do,	9,258	7,987	8,599	25,844
33.	Castings (Iron and Steel)	Do,	4,870	5,066	4,999	14,935
34.	Non Ferrous (Metal)	Do,	1,559	1,248	1,348	4,155
35.	Metal containers caps and closures.	Do,	484	530	481	1,495

TABLE NO. 6.2 INDUSTRIAL PRODUCTION BY PRODUCTS—cont.

S.No.	Name of the products.	Unit.	Production during.			
			April. (4)	May. (5)	June. (6)	Total. (7)
36.	Tractors	No.	501	305	560	1,366
37.	Earth Moving Machinery ..	Do.	29	23	10	62
38.	High Pressure Boilers and fittings.	Tonne.	2,955	4,140	5,709	12,804
39.	Diesel Engines	No	3,574	3,644	3,345	10,563
40.	Frames	Do.	68	94	19	181
41.	Power Driven Pumps ..	Do.	12,512	13,507	11,947	37,966
42.	Typewriters	Do.	678	746	704	2,128
43.	Transformers	KVA.	90,119	22,103	86,818	1,99,040
44.	Electric Motors	No	10,239	10,778	9,202	30,219
45.	Dry Cells	Do.	53,26,000	53,70,000	59,11,000	1,66,07,000
46.	Railway Coaches ..	Do.	40	54	40	134
47.	Railway Wagons	Do.	162	162	34	358
48.	Completed Motor Vehicles ..	Do.	113	142	160	415
49.	Motor Vehicles Chessis ..	Do.	611	583	947	2,141
50.	Body Building	Do.	97	126	131	354
51.	Motor Cycles	Do.	1,265	1,139	1,228	3,632
52.	Bicycles	Do.	29,215	31,389	32,870	93,474
53.	Synthetic Gemstones ..	Kg.	1,155	1,037	1,366	3,558
54.	Electricity Generated ..	K. Wtt.	600.040	579.113	607.813	1786.966

Electricity generated includes power generated by Neyveli Lignite Corporation Limited.

TABLE No. 6.2 INDUSTRIAL PRODUCTION BY PRODUCTS—cont.

Serial No.	Name of the product.	Unit.	Production during.				Provisional Percentage of increase or decrease over previous quarter. (8)
			July.	August.	September.	Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
MINING.							
1.	Lignite	Tonne	3,17,395	3,40,360	3,33,808	9,91,563	+ 3·8
2.	Bauxite	Do	4,949	4,781	4,840	14,570	+ 0·5
3.	Limestone	Do	3,89,570	3,75,740	3,66,093	11,31,403	+ 3·0
4.	Magnesite	Do.	30,184	30,046	29,463	89,873	+ 7·8
5.	Gypsum	Do	9,255	8,264	6,023	23,542	+ 15·0
MANUFACTURING.							
6.	Sugar (Refined) ..	Do	3,136	4,625	6,872	14,633	—79·4
7.	Hydrogenated oil (Vanaspathy) ..	Do	752	1,002	831	2,585	+ 29·8
8.	Refined oil	Do	202	46	65	313	—64·6
9.	Tea (Processed) ..	Do	4,974	4,539	5,699	15,212	—33·6
10.	Coffee (Cured)	Do	660	475	271	1,406	—40·9
11.	Cotton Yarn	Do	16,452	15,729	14,916	47,097	+ 12·3
12.	Cotton woven piece goods ..	'000' metres.	13,924	12,584	12,163	38,671,	—8·5
13.	Printing Paper	Tonne	1,909	1,734	2,624	6,267	—4·0
14.	Tyres (all types)	No	6,16,434	6,95,124	5,60,598	18,72,156	+ 3·1
15.	Tubes (all types)	No	4,94,023	6,14,668	4,63,951	15,72,642	+ 15·6
16.	Superior Kerosene	Tonne	25,895	38,215	38,179	1,02,289	+ 78·3
17.	High Speed Diesel Oil ..	Do	56,753	46,407	44,856	1,48,016	+ 8·9
18.	Ammonia	Do	33,778	27,555	44,274	1,05,607	+ 15·0
19.	Caustic Soda	Do	7,502	7,594	7,616	22,712	+ 48·8
20.	Urea	Do	54,287	44,487	75,962	1,74,736	+ 25·4
21.	Super Phosphate	Do	14,988	15,234	13,954	44,176	+ 35·3
22.	Mixed Fertilizer	Do	74, 193	62,342	58,915	1,95,450	+ 48·0
23.	Pesticides	Do	1,418	1,770	1,599	4,787	+ 33·0
24.	Paints and Enamels	Kg.	3,79,680	3,25,790	3,25,928	10,31,398	+ 18·5
25.	Varnishes	Litre	27,865	28,168	20,746	76,779	—5·5
26.	Safety Matches	Gross Boxes	59,64,468	59,35,864	59,34,178	1,78,34,510	—9·2
27.	Refractories	Tonne	12,534	11,576	10,499	34,609	—3·1
28.	Cement	Do	3,15,094	3,01,072	2,72,014	8,88,180	+ 9·6
29.	Asbestos Cement Products ..	Do	6,044	6,176	6,176	18,396	+ 1·8
30.	Coated Abrasives	Reams	7,338	1,819	7,406	16,663	—28·2
31.	Bonded Abrasives	Tonne	300	—	213	513	—43·0
32.	Iron and Steel (Metal)	Do	10,065	9,678	6,181	25,924	—0·1
33.	Castings (Iron and Steel) ..	Do	5,519	3,525	3,274	12,319	—17·5
34.	Non Ferrous (Metal)	Do	1,525	1,665	1,900	5,090	+ 22·5

TABLE NO 62.—INDUSTRIAL PRODUCTION BY PRODUCTS—*cont.*

Serial No.	Names of the product.	Unit	Production during.				Provisional Percentage of increase or decrease over previous quarter.
			July,	August.	September.	Total.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
35.	Metal containers caps and closures.	Tonne	693	602	691	1,986	+32.8
36.	Tractors	No	501	502	462	1,465	+7.2
37.	Earth Moving Machinery ..	No	14	19	14	47	—24.2
38.	High Pressure Boilers and fittings.	No	6,635	6,710	6,710	20,055	+56.6
39.	Diesel Engines	No	4,160	4,046	1,315	9,521	—9.9
40.	Frames	No	22	21	15	58	—68.0
41.	Power Driven Pumps ..	No	12,346	9,964	10,901	33,211	—12.5
42.	Typewriters	No	754	702	1,069	2,525	+18.7
43.	Transformers	KVA.	95,763	92,518	92,515	2,80,796	+41.1
44.	Electric Motors ..	No	9,390	7,502	7,065	23,957	—20.7
45.	Dry Cells	Do	53,40,000	67,48,000	71,23,000	1,92,11,000	+15.7
46.	Railway Coaches ..	Do	55	60	60	175	+30.6
47.	Railway Wagons ..	Do	34	34	34	102	—71.5
48.	Completed Motor Vehicles	Do	143	143	134	420	+1.2
49.	Motor Vehicles Chassis ..	Do	632	384	239	1,255	—41.4
50.	Body Building	Do	129	126	88	343	—3.1
51.	Motor Cycles	Do	1,540	1,540	Nil.	3,080	—15.2
52.	Bicycles	Do	32,318	26,040	37,377	94,735	+1.3
53.	Syenthetic Gemstones ..	Kg.	2,106	2,231	2,042	6,379	+79.3
54.	Electricity Generated ..	K.Wt.	701.312	656.964	692.514	2050.790	+14.8

Electricity generated includes power generated by Neyveli Lignite Corporation Limited.

TABLE NO. 6.3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU.
(1970—100) Provisional

Serial number.	Code number.	Name of Industry.	Index No. for the month			Average for the quarter ended June 1977.
			April 1977.	May 1977.	June 1977.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
I. MINING.						
1	101	Lignite	115.7	95.0	112.6	107.8
2	123	Bauxite	81.7	66.2	57.3	68.4
3	190	Stone quarrying clay and pits	116.4	114.8	125.5	118.9
4	193	Precious and Semi precious stone	..	..	..	..
	194	Mica (Crude)	14.3	28.6	14	19.1
	195	Gypsum	66.8	67.9	123.9	86.0
II. MANUFACTURING.						
7	201	Manufacture of dairy products	203.7	210.0	179.3	197.7
8	204	Grain Mill Products	104.4	108.9	108.8	107.4
9	205	Manufacture of Bakery products	136.9	154.9	153.9	147.2
10	206	Sugar (Refined)	173.4	76.4	19.4	89.7
11	207	Production of indigenous sugar.	248.5	143.0	27.3	139.6
12	208	Salt	92.8	74.7	199.3	122.3
13	209	Manufacture of cocoa, Chocolate sugar confectionery.	53.1	59.7	53.1	55.3
14	210	Vanaspatty	45.1	48.1	49.1	47.6
15	211	Refined Oil	37.6	36.8	23.1	32.5
16	212	Tea (Processed)	175.8	178.6	159.2	171.2
17	213	Coffee (Cured)	146.0	132.2	133.3	137.3
18	216	Prepared Animal Feeds ..	206.7	202.1	264.0	224.3
19	220	Distilling, Rectifying and blend- ing of spirits.	40.2	44.1	155.7	80.0
20	224	Soft Drinks and Carbonated water	78.7	85.5	70.0	78.1
21	228	Manufacture of chewing tobacco, Jerda and snuff	128.2	138.2	134.6	133.7
22	231	Cotton spinning, weaving and finishing of Cotton textile in Mills	95.5	91.7	98.7	95.3
23	247	Spinning, weaving and finishing of other textiles	130.8	116.9	204.6	50.8
24	280	Manufacture of pulp, paper and Paper Board including News- print	130.9	126.3	133.2	130.9
25	300	Tyre and Tube Industries ..	140.4	146.9	144.4	143.9
26	302	Manufacture of Rubber produ- cts n. e. c.	84.3	88.0	91.6	88.0
27	303	Manufacture of plastic, products n. e. c. (except house furnishing)	129.1	159.9	165.5	151.5
28	304	Petroleum Refineries	27.2	150.0	138.3	105.5

TABLE NO. 6.3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU—cont.

Provisional

(1970=100)

Serial number	Code number	Name of Industry.	Index No. for the month.			Average for the quarter ended June 1977,
			April 1977.	May 1977.	June 1977.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>II. Manufacturing—cont.</i>						
29	310	Manufacture of basic industrial Organic and inorganic chemical and gases	312.7	168.7	329.8	271.4
30	311	Manufacture of fertilisers and pesticides	405.8	286.5	524.8	405.7
31	312	Manufacture of paints, varnishes and lacquers	64.2	103.8	92.8	86.9
32	313	Manufacture of drugs and Medicines.	524.5	301.3	289.0	371.8
33	314	Manufacture of perfumes cosmetics soap in any form etc.	154.5	162.4	182.2	166.4
34	316	Manufacture of Turpentine, Synthetic resin and plastic materials etc.	143.8	146.4	138.4	142.9
35	317	Safety Matches	168.2	169.1	188.7	175.3
36	318	Manufacture of explosives and ammunition and fire works.	113.6	167.5	164.3	148.5
37	319	Manufacture of Chemical products n.e.c.	309.3	244.1	255.6	269.7
38	320	Manufacture of structural clay products.	109.1	97.8	94.8	100.6
39	321	Manufacture of glass and glass products.	57.2	64.7	57.7	59.9
40	323	Manufacture of Earthen ware and Porcelain ware.	197.4	211.3	204.8	204.5
41	324	Manufacture of Cement, lime and Plaster.	122.5	139.0	145.0	135.5
42	326	Manufacture of structural, stone goods, stone ware, stone dressing and stone crushing.	129.4	130.0	151.8	137.1
43	328	Manufacture of Asbestos cement and other Cement products.	131.8	128.2	135.8	131.9
44	329	Manufacture of miscellaneous non-metal mineral products.	107.7	106.3	114.8	109.6
45	330	Iron and Steel Industries ..	148.5	136.2	153.6	146.1
46	331	Foundries for casting and forging iron and steel.	149.0	157.1	164.8	157.0
47	339	Other non-ferrous metal industries.	110.0	93.1	98.8	100.6
48	340	Manufacture of fabricated metal products.	118.8	155.0	146.9	140.2
49	343	Manufacture of hand tools and general hardware.	236.9	304.1	303.9	281.6
50	344	Enamel sign boards and other enamel products.	70.0	70.0	80.0	70.0
51	345	Manufacture of metal utensile cutlery and Kitchenware	60.2	55.5	53.9	56.5

TABLE NO. 6-3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU—cont.

Serial number.	Code number.	Name of Industry.	Index No. for the month.			Average for the quarter ended June 1977.
			April 1977. (4)	May 1977. (5)	June 1977. (6)	
(1)	(2)	(3)				(7)
		<i>II. Manufacturing—cont.</i>				
52	349	Manufacture of metal products except machinery and Transport, equipment N. E. F. like type founding.	119.3	209.9	133.0	154.1
53	350	Manufacture of Agricultural machinery.	249.7	156.0	279.4	228.4
54	351	Manufacture and repair of heavy machinery and equipment used by construction and mining industries	95.1	71.1	34.2	66.8
55	352	Manufacture of prime movers, boilers, and steam generating plants such as diesel engines and parts.	176.0	230.4	297.8	234.7
56	353	Industrial Machinery for food textile and industries	125.6	173.4	39.7	112.9
57	355	Manufacture of refrigerators, Air-conditioner and Fire-fighting equipments and their parts components and accessories	..	..	..	..
58	356	Manufacture alteration and repair general items of non-electrical machinery components equipments and accessories nec.	104.7	121.9	117.4	114.7
59	357	Manufacture of machine tools, their parts and accessories	141.9	155.4	164.5	153.9
60	358	Manufacture of office computing and accounting machinery and parts.	144.7	118.0	80.4	114.4
61	360	Manufacture of electrical industrial machinery and apparatus and parts.	156.2	134.4	161.6	150.7
62	361	Manufacture of insulated wires and cables.	40.0	27.6	26.8	31.5
63	362	Manufacture of dry and wet batteries.	63.1	64.3	68.5	65.3
64	363	Manufacture of electrical apparatus, appliances and other parts.	126.0	52.4	65.6	81.3
65	364	Manufacture of radio and television.	93.2	112.5	108.5	104.7
66	370	Ship building and repairing ..	..	..	16.7	5.6
67	372	Manufacture of railway wagons and coaches and parts.	102.0	124.7	95.4	107.4
68	374	Manufacture of motor vehicles and parts.	126.5	126.2	134.2	129.0
69	375	Manufacture of Motor Cycles and Scooters and parts.	145.7	131.2	141.5	139.5
70	376	Manufacture of bicycles, cycle rickshaw and parts	91.0	97.6	100.1	96.2
71	379	Manufacture of Transport equipments and parts nec.	186.0	123.3	200.0	169.8

TABLE NO. 6.3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU—cont.

(1970—100)						Provisional.
Serial number.	Code number.	Name of Industry.	Index No. for the month.			Average for the quarter ended June. 1977.
			April 1977.	May 1977	June 1977.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		II. Manufacturing—cont.				
72	380	Manufacture of Medical, Surgical and Scientific equipments.	31.3	33.3	39.7	34.8
73	381	Manufacture of photographic and optical goods.	30.8	..	..	10.3
74	382	Manufacture of watches and clocks.	152.1	209.4	213.2	191.6
75	387	Manufacture of Stationery articles n.e.c.	49.2	48.3	42.2	46.6
76	389	Manufacture of miscellaneous products.	62.4	56.0	73.8	64.1
		III. ELECTRICITY.				
77	400	Electricity Generated	134.6	129.9	136.4	133.6
		General Index	130.3	129.6	141.2	133.7

TABLE NO. 6.3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU—*cont*

			(1970—100)			Provisional
Serial number.	Code number.	Name of Industry	Index No. for the month.			Average the quarter ended Sep- tember 1977. (11)
			July 1977 (8)	August 1977. (9)	September 1977 (10)	
(1)	(2)	(3)				
I. MINING.						
1	101	Lignite	107.5	115.2	113.0	111.9
2	123	Bauxite	70.0	67.7	68.5	68.7
3	190	Stone quarrying clay and pits ..	127.2	123.0	121.1	123.8
4	193	Precious and Semi precious stone ..	..	..	..	..
5	194	Mica (Crude)	57.1	28.6	14.3	33.3
6	195	Gypsum	16.6	104.1	75.9	98.9
II. MANUFACTURING.						
7	201	Manufacturing of dairy products	152.6	148.1	131.3	144.0
8	204	Grain Mill Products	116.9	130.0	104.0	117.0
9	205	Manufacture of Bakery products	164.5	171.0	144.0	160.0
10	206	Sugar (Refined)	25.0	16.9	25.1	22.3
11	207	Production of indigenous sugar	36.3	22.8	41.6	33.6
12	208	Salt	212.3	190.5	1102.9	501.9
13	209	Manufacture of Coca, Choco- late sugar confectionery.	65.5	73.0	83.3	74.0
14	210	Vanasparhy	54.0	71.9	59.7	62.0
15	211	Refined Oil	22.3	5.1	7.2	11.5
16	212	Tea (Processed)	159.2	101.8	127.8	129.6
17	213	Coffee (Cured)	114.2	82.2	46.9	81.1
18	216	Prepared Animal Feeds ..	241.8	264.9	303.2	270.0
19	220	Distilling, Rectifying and blend- ing of spirits.	97.4	135.7	166.9	133.3
20	224	Soft Drinks and Carbonated water.	65.2	58.4	67.2	60.3
21	228	Manufacture of Chewing tobacco Jerda and snuff.	142.7	140.8	132.0	138.5
22	231	Cotton spinning, weaving and finishing of Cothion textiles in mills.	110.3	105.0	99.8	105.0
23	247	Spinning, weaving and finishing of other textiles.	255.6	258.3	245.2	253.0
24	280	Manufacture of pulp, paper and Paper Board including News- print.	126.7	118.4	144.3	129.8
25	300	Tyre and Tube Industries ..	149.3	128.0	136.9	138.1
26	302	Manufacture of Rubber pro- ducts n.e.c.	90.1	105.0	80.7	92.0
27	303	Manufacture of plastic, products n.e.c. (except house furnishing)	230.5	210.7	253.8	231.7
28	304	Petroleum Refineries	137.1	149.5	144.2	143.6
29	310	Manufacture of basic industrial Organic Chemical and gases.	305.0	286.1	374.2	321.8

TABLE NO. 6.3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU.—*con.*
(1970—100)

Serial number.	Code number.	Name of Industry.	Index No. of for the month			Average for the quarter ended June 1977.
			July 1977.	August 1977.	September 1977.	
(1)	(2)	(3)	(8)	(9)	(10)	(11)
	<i>II</i>	<i>Manufacturing—cont.</i>				
30	311	Manufacture of fertilisers and pesticides.	594.8	502.1	588.0	561.6
31	312	Manufacture of paints, varnishes and lacquers.	121.3	102.1	101.2	108.2
32	313	Manufacture of drugs and Medicines.	314.8	395.7	247.4	391.3
33	314	Manufacture of perfumes cosmetics soap in any form etc.	170.6	171.9	159.7	167.4
34	316	Manufacture of Turpentine, Synthetic resin and plastic material etc.	123.3	223.7	211.3	186.1
35	317	Safety Matches	192.1	191.2	191.1	191.5
36	318	Manufacture of explosives and ammunition and fire works.	182.1	78.9	262.9	174.6
37	319	Manufacture of Chemical products n.e.c.	250.9	250.9	283.1	261.3
38	320	Manufacture of structural clay products.	105.7	97.7	88.6	97.3
39	321	Manufacture of glass and glass products	42.1	15.5	31.3	29.6
40	323	Manufacture of Earthen ware and Porcelain ware.	221.2	129.2	153.6	168.0
41	324	Manufacture of cement lime and Plaster.	158.0	151.0	136.4	148.5
42	326	Manufacture of structural, Stone goods stoneware, stone dressing and stone crushing.	133.7	160.7	153.2	149.2
43	328	Manufacture of asbestos cement and other Cement products.	132.3	135.2	135.2	134.2
44	329	Manufacture of miscellaneous non-metal mineral products.	134.1	76.0	120.6	110.2
45	330	Iron and Steel Industries ..	171.3	166.2	123.4	153.6
46	331	Foundries for casting and forging iron and steel.	144.5	127.6	118.3	130.1
47	339	Other non-ferrous metal industries.	109.90	108.8	119.7	112.8
48	340	Manufacture of fabricated metal products.	170.6	152.1	168.1	163.6
49	343	Manufacture of hand tools and general hardware.	264.9	260.1	280.1	268.4
50	344	Enamel sign boards and other enamel products.	80.0	100.0	90.0	90.0
51	345	Manufacture of metal utensil cutlery and Kitchenware	37.5	53.1	41.4	44.0
52	349	Manufacture of metal products except machinery and Transport equipment N E E like type founding	131.7	118.8	145.4	129.6
53	350	Manufacture of Agricultural machinery.	250.3	250.6	232.1	244.3

TABLE NO. 6.3—INDEX NO. OF INDUSTRIAL PRODUCTION IN TAMIL NADU—Cont.

			(1970—100)	Provisional			
Serial number	Code number	Name of Industry.	Index No. for the month.			Average the quarter ended Sep- tember 1977.	
			July 1977.	August 1977.	September 1977.		
(1)	(2)	(3)	(8)	(9)	(10)	(11)	
		<i>Manufacturing—cont.</i>					
54	351	Manufacture and repair of heavy machinery and equipment used by construction and mining industries	45.5	67.9	54.8	56.1	
55	352	Manufacture of prime movers, boilers and steam generating plants such as diesel engines and parts	349.3	351.3	318.8	339.8	
56	353	Industrial Machinery for food textile and industries	45.1	43.3	32.0	40.8	
57	355	Manufacture of refrigerators, Air-conditioners and Fire-fighting equipments and their parts components and accessories	..	..	..	..
58	356	Manufacture, alteration and repairs general items of non-electrical machinery components equipments and accessories n.e.c.	101.3	89.0	99.2	96.	
59		Manufacture of machine tools, their parts and accessories	198.0	169.2	171.4	179.5	
60	358	Manufacture of office computing and accounting machinery and parts	106.8	112.0	217.0	145.3	
61	360	Manufacture of electrical Industrial machinery and apparatus and parts.	190.7	128.9	182.5	167.4	
62	361	Manufacture of insulated wires and cables.	38.6	24.2	34.3	32.4	
63	362	Manufacture of dry and wet batteries.	61.8	74.4	76.7	71.0	
64	363	Manufacture of electrical apparatus, appliances and other parts.	86.3	115.5	135.4	112.4	
65	364	Manufacture of radio and television.	88.6	34.7	110.0	77.2	
66	370	Ship building and repairing ..	133.3	75.0	50.0	86.1	
67	372	Manufacture of railway wagons and coaches and parts.	95.4	95.4	105.2	98.7	
68	374	Manufacture of motor vehicles and parts.	109.5	88.8	63.4	87.2	
69	375	Manufacture of Motor Cycles and Scooters and parts.	177.4	177.4	..	118.3	
70	376	Manufacture of bicycles, cycle rickshaw and parts.	100.0	85.2	109.5	98.2	
71	379	Manufacture of Transport equipment and parts n.e.c.	169.8	160.5	107.0	145.8	
72	380	Manufacture of Medical, Surgical and Scientific equipment.	49.2	60.4	56.3	55.3	
73	381	Manufacture of photographic and optical goods.	7.7	30.8	..	12.8	
74	382	Manufacture of Watches and Clocks	186.8	255.1	174.6	185.5	
75	387	Manufacture of Stationery articles n.e.c.	51.6	61.4	46.9	53.3	
76	389	Manufacture of miscellaneous Products.	117.7	120.5	110.3	114.8	
		<i>II Electricity</i>					
77	400	Electricity Generated	157.4	147.4	155.4	153.4	
		General Index	151.8	141.1	142.4	144.0	

VII HANDLOOM

The production of handloom cloth in Tamil Nadu during the quarter ended September, 1977 was estimated at 148,288 thousand meters as against 151,161 thousand meters produced during the previous quarter. The fall of 1.90 percent in the production was mainly due to two reasons. The first one was the on set of monsoon season when many of the weavers paid more attention to agriculture which was their secondary occupation. The second was the sporadic 'Hartal' observed by the weavers in places like Karur and Aruppukottai for more than a week during the quarter under review.

Among the different varieties of handloom cloth produced sarees alone accounted for 26.74 percent while dhooties, towels and lungies constituted 17.35 percent, 18.57 percent and 12.34 percent respectively. The remaining 25 per cent of the production was shared by shirtings bed spreads, carpets, gada, etc.

Out of the total production cotton varieties alone constituted the major share of 87.40 percent followed by mixture, art silk and silk at the rate of 6.22 percent, 5.68 percent and 0.70 percent respectively.

During the quarter under review, a special rebate of 10 per cent on the sale of handloom goods through cooperative societies was offered from 3rd September to 17th September, 1977 to relive the glut of handloom goods in the market. Shortage of yarn, dyeing materials, and reduction in the wages paid to the weavers were reported in a few centres.

The average monthly sale of handloom goods to total available stock in Tamil Nadu for the quarter under review was 31.73 per cent as against 39.11 percent in the previous quarter.

The variety wise production of handloom cloth during the quarter ended September 1977 is furnished below.

TABLE NO. 7-1 Variety wise production of Handloom cloth.

Variety.	Production in '000' metres.
(1)	(2)
Cotton ..	1,29,599
Silk ..	1,040
Art Silk ..	8,431
Mixture ..	9,218
Total .	1,482,88

Production of Handloom Cloth in 00' Metres.

Variety of Cloth.	1976-77.	quarter ended				Total or columns 3 to 6
		December. 1976.	March. 1977.	June. 1977.	September. 1977.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
A. Cotton—						
1 Dhoties	9,48,01	2,37,72	2,30,94	2,51,41	2,54,52	9,74,59
2 Sarees	10,37,80	2,55,50	2,43,59	2,37,93	2,23,35	9,60,37
3 Towels	9,75,44	2,29,70	2,34,14	2,88,25	2,75,44	10,27,53
4 Hand kerchiefs	72,31	14,30	15,09	13,51	19,34	62,24
5 Lungies	9,73,69	2,51,44	2,28,44	1,99,56	1,79,53	8,58,97
6 Bedspreads	3,69,81	93,91	90,53	57,34	66,50	3,08,28
7 Angavastrams	17,06	3,45	5,16	9,21	10,35	28,17
8 Shirtings	5,29,72	1,11,24	1,12,35	1,26,87	1,34,76	4,85,22
9 Coatings	22,05	6,61	4,29	1,53	2,03	14,46
10 Gada	1,55,61	48,55	37,30	35,59	48,04	1,69,48
11 Carpet	82,66	23,93	20,69	23,60	42,08	1,10,30
12 Curtain cloth	39,60	12,28	10,91	7,49	6,37	37,05
13 Pillow Cover	39,34	12,85	9,59	6,37	6,78	35,59
14 Dhavani	35,97	8,57	20,07	18,16	10,80	57,60
15 Others	1,73,54	51,83	47,83	36,42	16,10	1,52,18
TOTAL ..	54,73,61	13,61,88	13,10,92	13,13,24	12,95,99	52,82,03
B. Silk—						
1 Dhoties	2,36	62	63	1,06	1,17	3,43
2 Sarees	26,55	6,61	6,21	8,24	8,52	29,58
3 Angavastrams	55	13	12	16	20	61
4 Dhavani	11,49	2,98	2,57	1,24	26	7,05
5 Others	2,15	54	62	27	25	1,68
TOTAL ..	43,10	10,88	10,15	10,97	10,40	42,40
C. Art Silk—						
1 Dhoties	8,88	3,29	2,02	98	85	7,14
2 Sarees	3,32,08	78,45	76,66	84,96	77,06	3,17,03
3 Lungies	47,49	15,62	15,16	4,88	3,45	39,11
4 Dhavani	29,18	8,62	10,95	3,75	1,54	24,87
5 Others	14,08	4,11	2,81	2,94	1,41	11,27
TOTAL ..	4,31,71	1,10,10	1,07,60	97,41	84,31	3,99,12

TABLE NO. 7.2—PRODUCTION OF HANDLOOM CLOTH—cont

(in '000' metres.)

Variety of Cloth.	1976-77.	Quarter ended				Total of column 3 to 6.
		December 1976.	March 1977.	June 1977.	September 1977.	
(1)	(2)	(3)	(4)	(5)	(6)	(7)
<i>D. Mixture of Artsilk and Cotton—</i>						
1 Dhoties	71	17	26	25	81	1.49
2 Sarees	3,48,27	92,51	79,96	82,09	87,60	3,42,16
3 Others	19,56	5,29	8,87	7,65	3,77	25,58
TOTAL ..	3,68,54	97,97	89,09	89,99	92,18	3,69,23
GRAND TOTAL ..	63,16,96	15,80,83	15,11,76	15,11,61	14,82,88	60,93,08



VIII JOINT STOCK COMPANIES.

REGISTRATION AND LIQUIDATIONS OF JOINT STOCK COMPANIES.

During the quarter ended December, 1977, 3 Public Companies and 38 private companies were newly registered as against 5 Public Companies and 38 private companies during the previous quarter. The total authorised capital of the new registered public and private companies as on 30th September, 1977 and 31st December, 1977 were Rs. 225.00 and 168.74 and 78.00 and 223.25 lakhs respectively.



TABLE NO. 8.1—NEW REGISTRATIONS OF JOINT STOCK COMPANIES

Period.	Number of Companies.			Authorised Capital. Rupees in lakhs		
	Public.	Private.	Total.	Public.	Private.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1971-72	27	141	168	3,686.00	1,226.55	4,912.55
1972-73	20	166	186	1,387.00	1,614.59	13,001.59
1973-74	37	212	249	331.75	1,936.10	5,267.85
1974-75	34@	273*	307	3,800.15	3,669.29	7,469.44
1975-76	29	188	217	2,747.50	1,808.18	4,555.68
1976-77	13	174**	187	691.00	1,577.93	2,268.93
1977—						
April	3	12@	15@	155.00	69.00	224.00
May	1	16	17	50.00	474.00	524.00
June	1	10	11	50.00	36.50	86.50
July	1@	17	18	....	94.40	94.40
August	2	9	11	160.00	24.99	184.99
September	2	12	14	65.00	49.35	114.35
October	2	10	12	28.00	34.15	62.15
November .. .. .	..	10	10	....	122.00	122.00
December	1	18	19	50.00	67.10	117.10

@ Including one guarantee company.

* Including Seven guarantee companies.

** Including Four guarantee companies.

TABLE NO. 8.2—LIQUIDATIONS OF JOINT STOCK COMPANIES

Period.	Number of Companies.			Authorised Capital. Rupees in lakhs		
	Public.	Private.	Total.	Public.	Private.	Total.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1971-72	2	20	22	27.51	52.12	70.63
1972-73	7	12	19	64.34	67.50	131.84
1973-74	3	8	11	106.00	90.90	196.90
1974-75	8	33	41	206.64	120.19	326.83
1975-76	1	18	19	5.00	94.89	99.89
1976-77	7	7	14	24.21	15.26	39.47
1977—						
April .. .. .	..	..	..	..	..	..
May .. .. .	..	..	..	..	..	..
June .. .. .	..	3	3	..	12.00	12.00
July .. .. .	..	..	..	..	..	..
August .. .. .	..	2	2	..	11.00	11.00
September .. .. .	..	1	1	..	2.00	2.00
October	2	5	7	50.00	78.00	128.00
November	2	2	4	101.00	15.00	116.00
December	1	..	1	10.00	..	10.00

TABLE NO. 8·3—NEW REGISTRATION OF JOINT STOCK COMPANIES BY INDUSTRIAL CLASSIFICATION.

Classification.	Number of Companies					
	Public.		Private.		Total.	
	Quarter ended.		Quarter ended.		Quarter ended.	
	September 1977.	December 1977.	September 1977.	December 1977.	September 1977.	December 1977.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
O. Agriculture and Allied activities.	..	..	2	4	2	4
1 Mining and Quarrying. ..	..	..	..	..	..	..
2 Processing and Manufacture of foodstuffs, textiles and Products thereof.	2	..	4	3	6	3
3 Processing and Manufacture of metals chemicals and Products thereof.	1	2	12	13	13	15
4 Processing and Manufacture not elsewhere classified.	..	..	6	3	6	3
5 Construction and Utilities.	..	..	..	2	..	2
6 Commerce (Trade and Finance) ..	1	..	5	5	6	5
7 Transport and Communication Services. ..	..	..	2	3	2	3
8 Community and Business Services. ..	1	1	7	1	8	2
9 Personal and Other services	..	..	..	4	..	4
Total ..	5	3	38	38	43	41

Classification.	Authorised Capital (Rupees in Lakhs).					
	Public.		Private.		Total.	
	Quarter ended.		Quarter ended.		Quarter ended.	
	September 1977.	December 1977.	September 1977.	December 1977.	September 1977.	December 1977.
(1)	(8)	(9)	(10)	(11)	(12)	(13)
O. Agriculture and allied activities.	..	..	9·25	25·25	9·25	25·25
1 Mining and Quarrying ..	..	..	..	..	..	..
2 Processing and Manufacture of foodstuffs textiles and Products thereof. ..	65·00	..	55·00	70·00	120·00	70·00
3 Processing and Manufacture of metals chemicals and Products thereof. ..	100·00	75·00	55·49	60·20	155·49	135·20
4 Processing and Manufacture not elsewhere classified.	..	..	14·60	10·20	14·60	10·20
5 Construction and Utilities	..	..	..	6·00	..	6·00
6 Commerce (Trade and Finance). ..	60·00	..	16·20	23·10	76·20	23·10
7 Transport and Communication Services	..	..	3·00	15·00	3·00	15·00
8 Community and Business Services ..	..	3·00	15·20	1·00	15·20	4·00
9 Personal and Other Services.	..	..	..	12·50	..	12·50
Total	225·00	78·00	168·74	223·25	393·74	301·25

IX. ELECTRICITY.

ELECTRICITY GENERATION AND CONSUMPTION

During the quarter ended December 1977, the generation of electricity was 1578 million units as against 1489 million units during the quarter ended September 1977 with an increase of 89 million units in a period of three months, In other words the increase is 6 Per cent.

The consumption of electricity increased in the quarter ended September 1977 in all sectors except Agriculture, which had been favoured to a good extent by monsoon. The consumption of power has shown a marked increase in Industrial Sector especially, indicating that Industries had better production than the previous quarter. The total consumption of electricity had increased to 1873 million units, when compared to 1576 million units during previous quarter.

Eleven Villages Town have been electrified and 3,360 pumpsets were set on motion with Electrical power, during the quarter.

TABLE NO. 9·1—ELECTRICITY GENERATED AND PURCHASED.

				(IN MILLION UNITS)					
<i>Period.</i>				<i>Generation</i>			<i>Net Generation.</i>	<i>Purchase.</i>	<i>Generation (Net) and purchase.</i>
				<i>Hydro.</i>	<i>Thermal.</i>	<i>Total.</i>			
(1)				(2)	(3)	(4)	(5)	(6)	(7)
1970-71	..	..	..	3,043	557	3,600	3,517	2,589	6,106
1971-72	..	..	..	3,749	618	4,367	4,273	2,449	6,722
1972-73	..	..	..	4,144	926	5,070	4,927	1,785	6,722
1973-74	..	..	..	3,702	1,171	4,873	4,711	2,073	6,784
1974-75	..	..	..	3,827	1,249	5,076	4,887	2,079	6,966
1975-76	..	..	..	4,405	1,317	5,722	5,519	2,398	7,917
1976-77	..	..	..	2,761	2,176	4,937	4,666	3,030	7,672
<i>Quarter ended—</i>									
JUNE 1977	..	..	..			933	868	1,046	1,046
September 1977	..	..	..	1,079	410	1,489	1,427	721	2,148
December 1977	..	..	..	1,151	426	1,578	1,515	349	1864

TABLE No. 9·2—CONSUMPTION OF ELECTRICITY.

								(IN MILLION UNITS.)
<i>Period.</i>				<i>Agriculture.</i>	<i>Industry.</i>	<i>Domestic.</i>	<i>Others.</i>	<i>Total.</i>
(1)				(2)	(3)	(4)	(5)	(6)
1971-72	..	..	..	1,356	2,703	274	1,124	5,457
1972-73	..	..	..	1,471	2,463	288	1,141	5,363
1973-74	..	..	..	1,576	2,334	316	1,129	5,355
1974-75	..	..	..	1,847	2,402	395	1,001	5,645
1975-76	..	..	..	1,692	3,079	468	913	6,152
<i>Quarter ended—</i>								
1975 June	..	..	..	386	441	97	211	1,135
September	..	..	..	339	859	124	241	1,563
December	..	..	..	434	901	130	224	1,689
1976 March	..	..	..	533	878	117	237	1,765
June	..	..	..	479	973	120	290	1,762
September	..	..	..	382	776	126	263	1,547
December	..	..	..	328	745	131	348	1,552
1977 March	..	..	..	502	657	125	430	1,714
June	..	..	..	442	702	132	300	1,576
September	..	..	..	436	949	135	353	1,873

TABLE No. 9·3—RURAL ELECTRIFICATION.

Period.						Number of towns, villages and hamlets electrified.		Number of pumpsets energised.	
						During the period.	Upto the end of the period.	During the period.	Upto the end of the period.
(1)						(2)	(3)	(4)	(5)
1971-72	..	..	..	..	..	13,375	52,524	64,627	594,169
1972-73	..	..	..	..	..	7,794	60,318	55,321	649,150@
1973-74	..	..	..	..	..	745	61,072@	32,783	681,205@
1974-75	..	..	..	..	..	145	61,217	25,930	708,339@
1975-76	..	..	..	..	..	183	63,148@	34,475	749,860@
1976-77	..	..	..	..	..	126	63,274	30,956	780,816@
Quarter ended—									
June 1976	..	..	..	..	..	13	63,161	11,067	760,927
September 1976	..	..	..	..	..	37	63,198	6,796	767,723
December 1976	..	..	..	..	..	49	63,247	6,234	773,957
March 1977	..	..	..	..	..	27	63,274	6,859	780,816
June 1977	..	..	..	..	..	11	63,285	8,807	789,623
September 1977	..	..	..	..	..	9	63,294	5,144	794,767
December 1977	..	..	..	..	..	11	63,305	3,360	798,127

(@) Under reconciliation.

X. HOUSING

CONSTRUCTION ACTIVITY OF THE TAMIL NADU HOUSING BOARD

The total number of houses/flats/apartments/tenements under construction of the Tamil Nadu Housing Board under different housing schemes during the quarter ended September, 1977 was 6,789 as against 5422 during the previous quarter.

557 houses flats apartments tenements were completed during the quarter under report. Since, the inception of the scheme (ie) from 21—4—1961 upto the quarter ended September 1977, 44178 houses/flats/apartments/tenements were completed.

TABLE NO. 10-1 HOUSES CONSTRUCTED BY THE TAMIL NADU HOUSING BOARD.

Sl. No.	Name of the Scheme	No. of houses/flats/tenements apartments.	
		Completed	Under construction
1.	Low Income Group Housing	8,320	2,349
2.	Middle Income Group Housing	5,139	1,923
3.	Tamilnadu Govt. Rental Housing	8,409	756
4.	Subsidised Industrial Housing	2,494	..
5.	Slum Improvements/Clearance	14,074	..
6.	Deposit works	..	..
7.	Special Low cost Housing Scheme	5,742	1,761
8.	Ancillary	..	..
Total		44,178	6,789

Source: Tamil Nadu Housing Board.

BUILDING ACTIVITY IN MADRAS CITY

During the quarter ended September, 1977 1,098 permits were sanctioned for construction of buildings in Madras City by the Corporation of Madras as against 304 permits issued in the corresponding quarter of the previous year.

TABLE NO. 10.2 PERMITS SANCTIONED FOR CONSTRUCTION OF BUILDINGS IN PUBLIC AND PRIVATE SECTORS IN MADRAS CITY

<i>Month</i> (1)	1975 (2)	1976 (3)	1977 (4)
January	176	162	127
February	205	55	174
March	227	@	182
April	192	1	159
May	182	65	198
June	308	145	229
July	206	120	339
August	206	119	240
September	194	65	519
October	192	75	
November	182	166	
December	308	142	

@ : Registration of building applications was stopped owing to the Urban Land Ceiling Act with effect from 1st April 1977. It was resumed on 27th April 1977.

Source : Corporation of Madras.

CONSTRUCTION ACTIVITY OF THE TAMIL NADU SLUM CLEARANCE BOARD.

During the quarter ended September 1977, 272 houses/flats/apartments/tenements were completed under Slum Improvement/Clearance scheme of the Tamilnadu Slum Clearance Board. Since, the inception of the scheme i.e. from September, 1970 to 30th September 1977, 21,667 houses/flats/apartments/tenements were completed. As on 30th September 1977 construction of 936 houses/flats/apartments/tenements was in progress

TABLE NO. 10.3 CONSTRUCTION BY THE TAMIL NADU SLUM CLEARANCE BOARD

<i>Quarter ended</i>	<i>Number of houses/flats/tenement/apartments Completed upto the quarter</i>	<i>Under eonstruction as on the last day of the quarter</i>
(1)	(2)	(3)
September 1976	19,363	2,328
December 1976	20,291	1,712
March 1977	20,939	1,064
June 1977	21,395	1,240
September 1977	21,667	936

Source : Tamil Nadu Slum Clearance Board.

INDEX NUMBER OF BUILDING COST

The Index Number of Building cost in Madras City for the quarter ended 30th September, 1977, increased by six points as compared to the previous quarter due to the increase in the prices of Bricks, Tile products, Timber countrywood, Bulb, earth pit, Fuse and neutral link and for labour both skilled and unskilled.

Though there was a slight fall in the price of ceiling fan due to off season offer and in certain electrical items and sanitary and water supply fittings, the index for the quarter has, however recorded an increase of six points.

TABLE NO. 10.4 INDEX NUMBER OF BUILDING COST. (1971-72=100)

Serial No.	Group.	Weights proportional to the total cost of building.	Group Index for the quarter ended	
			30-6-77	30-9-77
(1)	(2)	(3)	(3)	(5)
1.	Building Materials	67.25	161.89	163.75
2.	Building Labour	16.82	197.27	218.45
3.	Other charges	15.93	159.21	161.98
	Total	100.00	167.41	172.67
Index Number of Building cost in Madras City		100	167	173

XI. TRANSPORT

REGISTRATION OF MOTOR VEHICLES.

During the quarter ended September 1977 the total number of newly registered motor vehicles in Tamil Nadu was 5,362 as against 5,562 during the previous quarter, showing a declining trend.

The new registration of motor cycles and scooters increased from 3,194 during the quarter ended June 1977 to 3,381 during the quarter ended September, 1977. The new registration of goods vehicles declined from 893 to 590.

In general increase in registration is noted in respect of Motor Cycles, Scooters, Buses and other Vehicles where as a decline is observed in respect of contract carriages, private cars, Jeeps, station wagons and goods vehicles.

TABLE NO. 11.1—NEW REGISTRATION OF MOTOR VEHICLES.

Period.				Motor cycles and Scooters.	Private cars, Jeeps and Station Wagons.	Contract carriages.	Buses.	Goods vehicles.	Others.	Total.
(1)				(2)	(3)	(4)	(5)	(6)	(7)	(8)
1971-72	..	..	..	12,004	4,438	407	834	1,363	3,207	22,253
1972-73	..	..	..	10,203	3,849	565	612	1,281	2,442	18,952
1973-74	..	..	..	11,825	4,306	1,191	910	1,881	2,231	21,844
1974-75	..	..	..	12,030	3,591	570	994	1,921	2,339	22,345
1975-76	..	..	..	13,731	2,291	406	842	1,331	2,368	20,967
Quarter ended—										
1976	June	..	..	4,246	693	78	280	299	871	6,467
	September	..	..	4,265	799	90	216	402	680	6,452
	December	..	..	4,216	753	45	171	249	617	6,051
1977	March	..	..	2,962	963	376	182	269	522	5,274
	June	..	..	3,194	1,033	140	216	893	86	5,562
	September	..	..	3,381	949	89	257	590	96	5,362

XII. PRICES.

WHOLESALE PRICES OF SELECT COMMODITIES IN TAMIL NADU.

When compared with the monthly average wholesale prices that prevailed in September 1977, the monthly average wholesale prices of the following commodities declined in December 1977.

Paddy I Sort (11.5 per cent), Paddy II sort (15.4 per cent), rice I sort (1.7 per cent), rice II sort (3.6 per cent), Ragi (1.00 per cent), Turmeric (12.8 per cent), Sugar (6.0 per cent), Castor seeds (8.8 per cent), Areca nut (0.1 per cent), Tobacco (0.9 per cent) and Coir Yarn (13.7 per cent).

When compared with the monthly average wholesale prices that prevailed in September 1977, the monthly average wholesale prices of the following commodities increased in December, 1977.

Wheat (16.3 per cent), Cholam (3.0 per cent), Cumbu (18.5 per cent), Redgram dhall (17.0 per cent), Chillies (43.8 per cent), Cane Jaggery (10.9 per cent), Palm Jaggery (6.7 per cent), Groundnut with shall (1.7 per cent), Groundnut without shell (2.0 per cent), Gingelly seeds (10.2 per cent), Gingelly oil (7.2 per cent), Groundnut oil (0.6 per cent), Coconut oil (13.5 per cent), Ghee (ungraded) (1.6 per cent), Cashewnuts (3.0 per cent), Cotton seeds (3.1 per cent), Cotton lint (13.4 per cent) Tanned cow hides (0.3 per cent), Tanned Goat skins (10.4 per cent) and Tanned sheep skins (1.5 per cent).

The average wholesale prices of pepper and coconut (unhusked) in the month of December 1977 were the same as that which prevailed in September 1977.

TABLE NO. 12.1—ANNUAL AVERAGE WHOLESALE PRICES OF COMMODITIES IN TAMIL NADU
FROM 1972-73 TO 1976-77.

Serial number and Commodity.	Unit.	1972-73.	1973-74.	1974-75.	1975-76.	1976-77.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
1 Paddy I Sort	quintal	77.83	82.77	155.76	146.83	110.95
2 Paddy II Sort	Do.	66.95	78.65	154.12	137.78	103.34
3 Rice I Sort	Do.	133.75	143.53	272.65	249.88	182.93
4 Rice II Sort	Do.	107.97	123.54	243.24	225.94	169.45
5 Wheat	Do.	115.72	208.23	238.11	216.94	188.93
6 Cholam	Do.	76.74	88.37	190.16	151.82	127.15
7 Cumbu	Do.	68.28	85.94	177.21	152.81	119.00
8 Ragi	Do.	71.05	84.48	171.59	136.32	107.32
9 Redgramdhall	Do.	199.58	229.00	310.22	254.87	242.08
10 Turmeric	Do.	267.21	455.12	437.65	336.78	428.89
11 Chillies	Do.	321.78	456.09	619.59	1,230.80	636.99
12 Pepper	Do.	885.62	819.96	1,240.43	1,328.94	1,763.75
13 Cane Jaggery	Do.	145.39	148.86	156.59	226.42	211.39
14 Palm Jaggery	Do.	206.01	178.22	207.55	272.59	267.79
15 Sugar	Do.	324.64	357.07	442.47	436.97	455.06

TABLE No. 12.1—ANNUAL AVERAGE WHOLESALE PRICES OF COMMODITIES IN TAMIL NADU
FROM 1972-73 TO 1976-77—cont.

<i>Serial number. and Commodity.</i>	<i>Units.</i>	1972-73.	1973-74.	1974-75.	1975-76.	1976-77 *
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
16 Groundnut (with shell) ..	Quintal	153.32	228.20	248.90	185.51	216.86
17 Groundnut (without shell)	Do.	219.75	354.05	343.77	291.58	317.06
18 Gingelly seeds	Do.	271.82	356.77	398.06	346.70	397.68
19 Castor Seeds	Do.	162.79	253.35	222.50	153.17	231.39
20 Coconut (unhusked) ..	1,000 nuts	583.75	1,050.69	1,116.42	913.46	1,091.73
21 Gingelly Oil	10 kg.	58.68	78.58	86.59	77.46	84.60
22 Groundnut Oil	Do.	47.29	74.37	75.93	65.14	71.32
23 Coconut Oil	Do.	58.90	104.93	114.88	84.88	109.92
24 Ghee (ungraded)	quintal	1,231.36	1,626.19	1,797.40	1,769.43	1,850.44
25 Cashewnuts	Do.	200.87	318.74	306.70	312.47	425.99
26 Arecanut (husked)	Do.	588.86	658.38	745.59	812.66	975.10
27 Cotton Seeds	Do.	78.46	138.26	140.62	136.47	148.32
28 Cotton lint	Do.	616.77	796.24	1,019.84	894.11	1,217.23
29 Tobacco	Do.	638.93	590.85	667.25	951.19	927.83
30 Coir Yarn	Do.	133.70	153.79	197.46	208.44	215.38
31 Tanned Cow Hides ..	kg.	12.77	14.82	11.94	14.06	18.54
32 Tanned Goat skins ..	Do.	56.04	52.27	50.16	72.80	80.83
33 Tanned sheep skins ..	Do.	69.51	63.90	62.82	86.16	103.63

TABLE NO. 12.2—MONTHLY AVERAGE WHOLESALE PRICES OF SELECT COMMODITIES IN
TAMIL NADU DURING THE QUARTER ENDED 31ST DECEMBER 1977—cont.

Serial number and Commodity.	Unit.	January 1977.	February 1977.	March 1977.
(1)	(2)	(3)	(4)	(5)
		RS.	RS.	RS.
1 Paddy I sort	Quintal ..	103.81	113.72	108.58
2 Paddy II Sort	Do. ..	101.43	108.36	102.21
3 Rice I Sort	Do. ..	171.21	186.62	181.50
4 Rice II Sort	Do. ..	165.98	179.14	171.22
5 Wheat	Do. ..	189.94	189.50	189.81
6 Cholam	Do. ..	114.30	119.90	124.65
7 Cumbu	Do. ..	116.84	118.29	122.80
8 Ragi	Do. ..	118.75	118.27	121.99
9 Redgram dhal	Do. ..	293.89	340.02	350.47
10 Turmeric	Do. ..	502.85	505.37	509.63
11 Chillies	Do. ..	572.08	672.58	696.78
12 Pepper	Do. ..	1,393.75	1,925.00	1,800.00
13 Cane Jaggery	Do. ..	183.83	171.66	172.75
14 Palm Jaggery	Do. ..	300.90	257.76	250.83
15 Sugar	Do. ..	422.21	422.79	414.11
16 Groundnut (with shell)	Do. ..	264.15	296.64	316.38
17 Groundnut (without shell)	Do. ..	393.31	450.75	407.35
18 Gingelly seeds	Do. ..	462.46	486.14	470.82
19 Castor Seeds	Do. ..	285.44	268.94	246.00
20 Coconut (un-husked)	1,000 nuts ..	1,400.00	1,200.00	1,037.50
21 Gingelly oil	10 kg. ..	98.12	101.92	99.41
22 Groundnut oil	Do. ..	88.19	101.23	95.32
23 Coconut oil	Do. ..	142.15	127.28	106.60
24 Ghee (ungraded)	Quintal ..	1,682.25	1,662.63	1,656.25
25 Cashewnuts	Do. ..	518.75	583.21	653.00
26 Arccanut (Husked)	Do. ..	1,053.41	1,049.40	1,072.32
27 Cotton Seeds	Do. ..	163.05	168.09	156.20
28 Cotton Lint	Do. ..	1,487.78	1,425.42	1,381.51
29 Tobacco	Do. ..	896.74	879.18	865.30
30 Coir Yarn	Do. ..	214.58	216.67	216.67
31 Tanned Cow Hides	kg. ..	18.47	18.57	16.24
32 Tanned Goat skins	Do. ..	82.79	74.17	69.09
33 Tanned Sheep skins	Do. ..	104.59	96.60	95.17

R—Revised.

TABLE NO. 12.2—MONTHLY AVERAGE WHOLESALE PRICES OF SELECT COMMODITIES IN
TAMIL NADU DURING THE QUARTER ENDED 31ST DECEMBER 1977—*cont.*

Serial number and Commodity.						Unit.	April. 1977	May 1977.	June 1977.
(1)						(2)	(6)	(7)	(8)
							RS.	RS	RS.
1	Paddy I Sort	..	..	..	..	Quintal	108.71	110.26	112.04
2	Paddy II Sort	..	..	..	..	Do.	103.32	104.48	107.42
3	Rice I Sort	..	..	..	..	Do.	180.69	181.48	181.49
4	Rice II Sort	..	..	..	..	Do.	169.35	168.30	167.62
5	Wheat	..	..	..	..	Do.	184.75	173.06	167.56
6	Cholam	..	..	..	..	Do.	125.24	122.44	119.85
7	Cumbu	..	..	..	..	Do.	125.86	122.08	116.66
8	Ragi	..	..	..	..	Do.	114.07	108.59	105.28
9	Redgram dhal	..	..	..	..	Do.	340.28	353.70	357.86
10	Turmeric	..	..	..	..	Do.	529.95	580.38	592.64
11	Chillies	..	..	..	..	Do.	683.86	675.86	662.72
12	Pepper	..	..	..	..	Do.	1935.00	1,925.00	1,900.00
13	Cane Jaggery	..	..	..	..	Do.	173.15	179.37	185.63
14	Palm Jaggery	..	..	..	..	Do.	244.08	231.71	232.94
15	Sugar	..	..	..	..	Do.	404.97	409.93	401.43
16	Groundnut (with shell)	..	..	..	..	Do.	285.97	312.10	325.10
17	Groundnut (without shell)	..	..	..	..	Do.	372.09	422.41	438.36
18	Gingelly seeds	..	..	..	..	Do.	455.09	429.34	409.06
19	Castor Seeds	..	..	..	..	Do.	240.89	263.34	278.11
20	Coconut (un-husked)	..	..	..	..	1,000 nuts	970.00	900.00	837.50
21	Gingelly oil	..	..	..	..	10kg.	99.52	95.73	91.30
22	Groundnut oil	..	..	..	..	Do.	82.06	90.63	91.71
23	Coconut oil	..	..	..	..	Do.	104.80	105.76	101.12
24	Ghee (ungraded)	..	..	..	..	Quintal	1,646.25	1,606.25	1,606.25
25	Cashewnuts	..	..	..	..	Do.	725.00	709.38	746.82
26	Arecanut .. (husked)	..	..	..	..	Do.	1,056.99	987.95	1,036.17
27	Cotton Seeds	..	..	..	..	Do.	159.49	167.04	166.20
28	Cotton I int	..	..	..	..	Do.	1,417.07	1,379.32	1,386.21
29	Tobacco	..	..	..	..	Do.	861.97	847.53	843.67
30	Coir Yarn	..	..	..	..	Do.	216.67	234.58	236.25
31	Tanned Cow Hides	..	..	..	..	Kg.	17.30	17.59	16.36
32	Tanned Goat skins	..	..	..	..	Do.	68.92	68.25	68.25
33	Tanned sheep skins	..	..	..	..	Do.	95.35	94.50	94.50

R- Revised.

TABLE NO. 12.2—MONTHLY AVERAGE WHOLESALE PRICES OF SELECT COMMODITIES IN
TAMIL NADU DURING THE QUARTER ENDED 31ST DECEMBER 1977—cont.

Serial number and Commodity.	Unit.	July, 1977.	August, 1977.	September, 1977.
(1)	(2)	(9)	(10)	(11)
		RS.	RS.	RS.
1 Paddy I Sort	Quintal ..	120.42	124.52	120.49(R)
2 Paddy II Sort	Do. ..	115.40	118.61	113.02(R)
3 Rice I Sort	Do. ..	190.87	198.26	200.64(R)
4 Rice II Sort	Do. ..	177.12	184.84	180.18(R)
5 Wheat	Do. ..	165.05	164.06	170.45
6 Cholara	Do. ..	120.16	123.74(R)	122.39(R)
7 Cumbu	Do. ..	115.50	111.88	108.41(R)
8 Ragi	Do. ..	114.44	116.16	114.50
9 Redgram dhal	Do. ..	362.94	366.18	394.02(R)
10 Turmeric	Do. ..	655.94	756.40	980.03
11 Chillies	Do. ..	657.41	665.91	671.08(R)
12 Pepper	Do. ..	1,974.00	1,942.50	1,947.00
13 Cane Jaggery	Do. ..	170.73	168.49	163.63
14 Palm Jaggery	Do. ..	227.38	224.69	222.01
15 Sugar	Do. ..	401.94	397.32	398.46
16 Groundnut (with shell)	Do. ..	312.92	301.67	255.92
17 Groundnut (without shell)	Do. ..	457.47	443.62	357.10(R)
18 Gingelly seeds	Do. ..	400.24	391.08	382.63
19 Castor Seeds	Do. ..	280.00	276.22	273.15(R)
20 Coconut (un-husked)	1,000 nuts ..	940.00	1,075.00	1,240.00
21 Gingelly Oil	10 Kg. ..	90.80	85.66	84.28
22 Groundnut Oil	Do. ..	96.67	96.97	79.64(R)
23 Coconut Oil	Do. ..	103.10	103.51	114.78
24 Ghee (ungraded)	Quintal ..	1,753.12	1,906.25	1,906.25
25 Cashewnuts	Do. ..	783.20	807.97	823.44
26 Arecanut (husked)	Do. ..	1,140.58	1,065.34	1,044.37
27 Cotton Seeds	Do. ..	162.58	160.87	156.67
28 Cotton Lint	Do. ..	1,342.01	1,254.86	1,180.54
29 Tobacco	Do. ..	858.94	850.92	832.03
30 Coir Yarn	Do. ..	237.33	241.25	241.33
31 Tanned Cow Hides	Kg. ..	16.51	16.36	16.78
32 Tanned Goat skins	Do. ..	70.95	69.30	69.72
33 Tanned Sheep skins	Do. ..	98.80	96.07	96.07

R.—Revised.

TABLE NO.12.2—MONTHLY AVERAGE WHOLESALE PRICES OF SELECT COMMODITIES IN TAMIL NADU DURING THE QUARTER ENDED 31ST DECEMBER 1977—*cont.*

Serial number and Commodity.	Unit.	October, 1977.	November, 1977.	December, 1977.
(1)	(2)	(12)	(13)	(14)
		RS.	RS.	RS.
1 Paddy I Sort	Quintal ..	120.02	117.01	106.60
2 Paddy II Sort	Do. ..	110.00	97.55	95.67
3 Rice I Sort	Do. ..	207.32	214.99	197.32
4 Rice II Sort	Do. ..	180.04	186.15	173.70
5 Wheat	Do. ..	175.63	184.31	198.25
6 Cholam	Do. ..	125.59	125.62	126.12
7 Cumbu	Do. ..	109.84	113.60	128.51
8 Ragi	Do. ..	113.89	110.83	113.30
9 Redgram dhal	Do. ..	414.10	439.45	460.91
10 Turmeric	Do. ..	900.96	904.53	855.01
11 Chillies	Do. ..	701.81	744.48	965.30
12 Pepper	Do. ..	1,937.59	1,895.00	1,947.00
13 Cane Jaggery	Do. ..	165.93	203.41	181.50
14 Palm Jaggery	Do. ..	215.29	226.65	236.78
15 Sugar	Do. ..	373.68	373.50	374.74
16 Groundnut (with shell)	Do. ..	237.38	234.30	200.23
17 Groundnut (without shell)	Do. ..	309.12	307.63	364.08
18 Gingelly Seeds	Do. ..	303.35	364.00	421.76
19 Caster Seeds	Do. ..	267.33	245.22	249.03
20 Coconut (un-husked)	1,000 nuts ..	1,142.50	1,137.50	1,240.00
21 Gingelly Oil	10 kg. ..	78.77	79.92	90.37
22 Groundnut Oil	Do. ..	69.43	70.96	80.12
23 Coconut Oil	Do. ..	117.09	122.46	130.31
24 Ghee (un graded)	Quintal ..	1,882.81	1,875.00	1,937.40
25 Cashewnuts	Do. ..	858.75	773.44	848.19
26 Arecanut (husked)	Do. ..	1,053.89	1,034.02	1,042.86
27 Cotton Seeds	Do. ..	152.59	149.48	161.58
28 Cotton Lint	Do. ..	994.95	985.25	1,338.64
29 Tobacco	Do. ..	820.11	826.94	824.25
30 Coir Yarn	Do. ..	239.16	238.33	208.33
31 Tanned Cow Hides	Kg. ..	16.37	16.50	16.83
32 Tanned Goat skins	Do. ..	70.40	73.70	77.00
33 Tanned Sheep skins	Do. ..	94.97	96.07	97.53

R-Revision J.

RETAIL PRICES OF SELECT COMMODITIES IN TAMIL NADU.

When compared with the average retail prices that prevailed during the last month of the previous quarter (i.e.) September 1977, the average retail prices for December 1977 recorded a downward trend for the following commodities.

Ragi (0.8 per cent), Pepper (8.3. per cent), Turmeric (2.4 percent), Sugar (6.3 percent), Ghee Agmark—(0.8 per cent) and Coir Yarn (4.9 per cent).

The average retail prices recorded an upward trend during December 1977 as compared to that of September, 1977 in respect of the following commodities:—

Rice I sort (1.4 per cent), Rice II sort (0.5 per cent), Wheat (8.2 per cent), Chole m. (3.0 per cent), Cumbu (10.1 per cent), Redgram dhal (16.7 per cent), Chillies (44.6 per cent), Cane jaggery (9.9 per cent), Palm jaggery (20.1 per cent), Salt (35.3 per cent), Coriander (4.1 per cent), Coconut-husked (20.4 per cent), Coconut oil (15.8 per cent), Gingelly oil (6.1 per cent), Cotton seed (5.4 per cent) and Tobacco (19.4 per cent).



TABLE NO. 12.3—MONTHLY AVERAGE RETAIL PRICES IN TAMIL NADU.

Serial number and Commodity.	Unit.	January 1977.	February 1977.	March 1977.	April 1977.	May 1977.	June 1977.
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
		RS.	RS.	RS.	RS.	RS.	RS.
1 Rice I Sort ..	Quintal.	192.00	198.00	192.00	190.00	192.00	194.00
2 Rice II Sort ..	Do.	179.00	188.00	178.00	178.00	177.00	178.00
3 Wheat	Do.	221.00	221.00	217.00	210.00	192.00	191.00
4 Chulam	Do.	123.00	129.00	133.00	134.00	130.00	127.00
5 Cumbu	Do.	124.00	125.00	130.00	132.00	128.00	127.00
6 Ragi	Do.	130.00	129.00	131.00	126.00	121.00	120.00
7 Redgram dhall ..	Kg.	3.24	3.66	3.83	3.73	3.83	3.86
8 Chillies	Quintal	657.00	758.00	782.00	770.00	767.00	758.00
9 Pepper	Do.	2,350.00	2,300.00	2,300.00	2,450.00	2,300.00	2,350.00
10 Turmeric	Do.	573.00	579.00	604.00	596.00	643.00	674.00
11 Cane Jaggery ..	Do.	216.00	200.00	197.00	200.00	205.00	207.00
12 Palm Jaggery ..	Do.	337.00	298.00	300.00	298.00	279.00	268.00
13 Sugar	Kg.	4.35	4.33	4.27	4.17	4.20	4.13
14 Salt	Do.	0.16	0.16	0.16	0.16	0.17	0.17
15 Coriander	Quintal	917.00	666.00	633.00	659.00	739.00	719.00
16 Coconut (husked)	100 nuts	136.00	114.00	104.00	97.00	89.00	84.00
17 Ghee (Agmark)	Kg.	21.00	21.00	20.00	20.00	20.00	20.00
18 Coir Yarn	Quintal	220.00	220.00	220.00	220.00	279.00	280.00
19 Coconut Oil	Kg.	15.98	14.37	12.34	11.73	11.82	11.33
20 Gingelly Oil	Do.	10.25	10.71	10.64	10.60	10.08	9.60
21 Cotton Seed	Quintal	173.00	176.00	166.00	174.00	184.00	183.00
22 Arecanut (unhusked)	Do.	N.T.	N.T.	N.T.	N.T.	N.T.	N.T.
23 Tobacco	Do.	1,088.00	1,000.00	988.00	1,011.00	1,025.00	984.00

N.T. No transaction.

TABLE NO. 12.3—MONTHLY AVERAGE RETAIL PRICES IN TAMIL NADU. — CONT.

Serial number and Commodity.	Unit.	July 1977.	August 1977.	September 1977.	October 1977.	November 1977.	December 1977.
(1)	(2)	(9)	(10)	(11)	(12)	(13)	(14)
		RS.	RS.	RS.	RS.	RS.	RS.
1 Rice I Sort ..	Quintal	203.00	210.00	213.00	221.00	225.00	216.00
2 Rice II Sort ..	Do.	186.00	193.00	189.00	201.00	201.00	190.00
3 Wheat	Do.	191.00	189.00	195.00	196.00	211.00	202.00
4 Cholam	Do.	128.00	133.00	132.00	133.00	134.00	136.00
5 Cumbu	Do.	124.00	121.00	119.00	118.00	120.00	131.00
6 Ragi	Do.	125.00	127.00	125.00	124.00	120.00	124.00
7 Redgram dhal ..	Kg.	3.86	3.98	4.32	4.50	4.75	5.04
8 Chillies	Quintal	757.00	758.00	765.00	791.00	832.00	1,106.00
9 Pepper	Do.	2,300.00	2,300.00	2,400.00	2,250.00	2,200.00	2,200.00
10 Turmeric	Do.	718.00	790.00	1,021.00	1,045.00	1,018.00	997.00
11 Cane Jaggery ..	Do.	198.00	198.00	191.00	193.00	228.00	210.00
12 Palm Jaggery ..	Do.	228.00	234.00	234.00	228.00	240.00	281.00
13 Sugar	Kg.	4.23	4.09	4.12	3.91	3.87	3.86
14 Salt	Do.	0.16	0.16	0.17	0.17	0.19	0.23
15 Coriander	Quintal	715.00	707.00	688.00	714.00	721.00	716.00
16 Coconut (husked) 100 nuts		87.00	93.00	103.00	111.00	121.00	124.00
17 Ghee (Agmark) ..	kg.	21.20	23.00	23.80	22.75	21.00	23.60
18 Coir Yarn	Quintal	280.00	280.00	284.00	274.00	270.00	270.00
19 Coconut Oil	Kg.	11.43	11.33	12.37	12.88	13.10	14.33
20 Gingelly Oil	Do.	9.46	9.19	9.04	8.47	8.61	9.59
21 Cotton Seed	Quintal	174.00	173.00	166.00	160.00	160.00	175.00
22 Arecanut [unhusked] ..	Do.	N.T.	N.T.	N.T.	N.T.	N.T.	*1,515.00
23 Tobacco	Do.	978.00	869.00	825.00	838.00	900.00	985.00

N.T.—No Transaction* * Husked.

TABLE NO. 12·4—STATEMENT SHOWING THE ANNUAL AVERAGE RETAIL PRICES IN TAMIL NADU.

From 1972-73 to 1976-77.

Serial number and Commodity.	Unit.	1972-73.	1973-74.	1974-75.	1975-76.	1976-77.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
		RS.	RS.	RS.	RS.	RS.
1 Rice I sort	Quintal.	145·86	155·44	293·60	279·55	187·00
2 Rice II Sort	Do.	115·22	128·86	267·68	243·51	180·00
3 Wheat	Do.	187·00	309·75	315·46	269·48	204·00
4 Cholam	Do.	87·98	95·79	203·40	170·28	136·00
5 Carumbu	Do.	82·36	94·53	191·30	159·45	127·00
6 Ragi	Do.	81·15	95·79	189·11	155·81	119·00
7 Redgram dhall	Kg.	2·44	2·59	3·44	2·83	2·72
8 Chillies	Quintal	364·61	485·09	737·66	1303·77	727·00
9 Pepper	Do.	739·09	807·00	1,217·50	1,382·61	2,010·00
10 Turmeric	Do.	353·18	508·04	478·86	427·95	494·00
11 Cane Jaggery	Do.	165·17	168·13	176·46	245·51	237·00
12 Sugar	Kg.	3·58	3·70	4·58	4·58	4·66
13 Salt	Do.	0·12	0·12	0·15	0·15	0·16
14 Coriander	Quintal.	247·46	300·22	379·77	449·35	710·00
15 Coconut (unhusked) ..	1000 nuts.	580·00	1,175·00	1,300·00	814·90**	1,030·00**
16 Ghee (Agmark)	Kg.	14·50	18·10	18·95	20·78	22·71
17 Palm Jaggery	Quintal.	255·73	207·81	236·88	319·15	318·00
18 Coir Yarn	Do.	145·40	155·94	221·79	244·57	232·00
19 Coconut Oil	Kg.	7·50	11·70	12·99	9·47	12·14
20 Gingelly Oil	Do.	7·13	8·39	9·15	8·22	8·93
21 Cotton Seed	Quintal.	97·92	145·55	155·56	141·93	155·00
22 Arecanut (Unhusked) ..	1,000 nuts	N.T.	130·00	N.T.	712·50*	713·00*
23 Tobacco	Quintal	619·83	530·50	597·16	1,117·70	1,163·00

* Per quintal.

** Coconut husked.

**INDEX NUMBER OF WHOLESALE PRICES OF FOODGRAINS AND
COMMERCIAL PRODUCTS IN TAMIL NADU.**

(Base : Prices on 21st August 1939—100)

During the quarter ended December index number of wholesale prices recorded a fall. As compared with the index for September 1977 the index number receded by 53 points from 1850 in September, 1977 to 1797 in December 1977 or by 2.9 percent due to a fall in the prices of Paddy I and II sorts, Rice I and II sorts and Ragi.

The index number of wholesale prices of commercial products, however advanced by 137 points from 2,736 in September, 1977 to 2,873 in December, 1977 or by 5.0 per cent. An increase in the prices of redgram dhall, chillies, cane jaaggery, sugar (O.P.), palm jaaggery, groundnut (machine shelled), coconuts, ghee, gingelly oil, coconut oil, groundnut oil, cotton lint, cotton seed, tobacco, cashew nut, tanned cow hides, tanned goat skins and tanned sheep skins contributed for the increase in the index.

TABLE 12.5—INDEX NUMBERS OF WHOLESALE PRICES IN TAMIL NADU.

(Base : Prices on 21st August, 1939—100)

Period.	Foodgrains	Commercial products.	Composite Index.
(1)	(2)	(3)	(4)
1972	1,112	1,498	1,327
1973	1,192	2,017	1,653
1974	2,102	2,265	2,193
1975	2,512	2,391	2,445
1976	1,730	2,463	2,139
1977			
January	1,748	2,787	2,329
February	1,823	2,830	2,386
March	1,775	2,721	2,303
April	1,760	2,683	2,276
May	1,754	2,768	2,321
June	1,752	2,773	2,322
July	1,809	2,779	2,351
August	1,853	2,767	2,363
September	1,850	2,736	2,345
October	1,894	2,642	2,312
November	1,906	2,670	2,333
December	1,797	2,873	2,399

CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS
(1960—100)

During the quarter ended December 1977, the Consumer Price Index Numbers for December 1977 as compared to September 1977 advanced in all the centres viz. Madras City, Cuddalore, Trichirapalli, Madurai, Coimbatore, Nagercoil and Coonoor.

As compared with the index for September 1977, the index for December 1977 was higher by 11 points at Coimbatore, 15 points at Trichirapalli, 17 points at Coonoor, 23 points at Cuddalore, 29 points at Madurai and by 47 points at Nagercoil.

As regards Madras City, the Consumer Price Index Number for October 1977 advanced by four points to 310 when compared to September 1977 due mainly to higher prices of rice, pulses, Coconut oil, mutton, turmeric, chillies (dry), coriander, mustard, mumin seeds, vegetables and fruits, snack (saltish), hot drink (Coffee), beedi, firewood (both Junglewood and casuarina) dung cake and certain clothing articles.

When compared with October 1977, the index for November 1977 advanced by 13 points to 323 due to an increase in the prices of rice, pulses, mutton, fish (fresh), egg, salt, turmeric, chillies (dry), tamarind, garlic, vegetables and fruits, gur, betel leaves, firewood (both junglewood and casuarina) certain items of clothing, hair oil, face powder, brass utensils and glass tumbler.

The index for the month of December, 1977 moved up by another seven points from 323 in November 1977 to 330, due mainly to higher prices of pulses, oil, mutton, egg, certain items condiments and spices, betel leaves, betel nuts, firewood (junglewood and casuarina), dung cake and certain items of clothing.

TABLE NO. 12.6—CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS.
1960=100

Period.					Madras City.	Cuddalore	Tiruchirapalli.	Madurai.	Coimbatore.	Nagercoil.	Coonoor
(1)					(2)	(3)	(4)	(5)	(6)	(7)	(8)
1972	..	..	..	..	197	201	208	201	185	219	193
1973	..	..	..	..	221	224	246	226	207	255	214
1974	..	..	..	..	281	296	329	306	282	339	307
1975	..	..	..	..	325	325	372	352	331	390	314
1976	..	..	..	..	283	289	313	296	300	330	295
1977—											
January	..	..	..	..	298	303	327	315	312	353	301
February	..	..	..	..	298	317	336	318	315	337	304
March	..	..	..	..	298	312	326	316	310	322	301
April	..	..	..	..	299	317	324	313	309	323	305
May	..	..	..	..	300	314	328	321	314	330	309
June	..	..	..	..	300	314	323	322	315	340	310
July	..	..	..	..	304	320	331	329	318	341	311
August	..	..	..	..	302	320	333	327	319	344	315
September	..	..	..	..	306	318	341	327	319	340	315
October	..	..	..	..	310	325	348	335	324	348	327
November	..	..	..	..	323	336	351	352	324	365	326
December	..	..	..	..	330	341	356	356	330	387	332

TABLE NO. 12.7 ALL INDIA AVERAGE CONSUMER PRICE INDEX NUMBERS FOR INDUSTRIAL WORKERS

(Base : 1960=100)

PERIOD	INDEX
1972	202
1973	236
1974	304
1975	321
1976	296
1977—	
January	307
February	310
March	312
April	313
May	318
June	320
July	325
August	327
September	331
October	330
November	330
December	330

CONSUMER PRICE INDEX NUMBER FOR URBAN NON-MANUAL EMPLOYEES

(Base : 1960=100)

When compared with the index for June 77 the consumer Price Index Number for Urban non-manual employees in September '77 advanced by 2 points to 306 in Madras City by 6 points to 292 in Madurai and by 5 points to 304 in Tiruchirapalli

CONSUMER PRICE INDEX NUMBERS FOR URBAN NON-MANUAL EMPLOYEES

(Base: 1960=100)

Period	Madras	Madurai	Tiruchirapalli
1972	200	175	194
1973	222	199	209
1974	275	264	273
1975	310	306	313
1976	292	285	282
1976			
October	296	298	298
November	299	290	296
December	302	289	300
1977			
January	301	286	300
February	303	286	300
March	302	283	298
April	302	284	299
May	303	286	300
June	304	286	299
July	304	290	303
August	303	290	300
September	306	292	304

INDEX NUMBERS OF RURAL PRICES FOR SELECT CENTRES

(Base : Year ended June 1936=100)

During the quarter ended December 1977, the Rural Price Index Number for Puliur, Agaram, Thulayanatham, Ericdu, Guduvancheri and Kunnathur advanced while that of Gokilapuram and Kinathukadavu declined.

When compared with the index for September 1977 the Rural Price Index Number for December 1977 was higher by six points (3.1 percent) at Agaram, eight points (4.3 percent) at Thulayanatham, 10 points (5.0 percent) at Puliur, 13 point (7.0 percent) at Guduvancheri, 21 points (11.2 percent) at Kunnathur while it was lower by three points (1.4 percent) at Kinathukadavu and by seven points (3.4 percent) at Gokilapuram.

TABLE No. 12.9—INDEX NUMBERS OF RURAL PRICES.

(Base : Year ended June 1936=100)

			South Arcot	Tiruchirapalli	Madurai.		Coimbatore.	Chengalpattu.		
Period.			Puliyur.	Agaram.	Thulayanatham.	Erode.	Gokilapuram.	Kinathukadavu.	Guduvancheri.	Kunnamthur.
(1)			(2)	(3)	(4)	(5)	(6)	(7)	(8)	(9)
1972	..	..	1,038	1,006	1,061	1,019	1,239	1,047	1,090	1,009
1973	..	..	1,215	1,158	1,162	1,245	1,500	1,310	1,288	1,195
1974	..	..	1,709	1,594	1,693	2,010	2,240	2,242	1,954	1,886
1975	..	..	2,028	1,736	2,083	2,302	2,452	2,527	2,211	2136
1976	..	..	1,635	1,534	1,837	1,737	1,996	1,821	1,598	1,551
1977—										
January	..	..	1,830	1,694	2,049	1,910	2,304	1,873	1,798	1,748
February	..	..	1,914	1,764	2,033	1,876	2,296	2,019	1,783	1,798
March	..	..	1,881	1,717	2,034	1,858	2,247	1,952	1,758	1,758
April	..	..	1,862	1,729	1,990	1,833	2200	1,878	1,751	1,773
May	..	..	1,907	1,764	1,970	1,840	2234	1,831	1,693	1,725
June	..	..	1,970	1,789	1,905	1,826	2,224	1,806	1,739	1718
(Base : Year ended June 1971=100.)										
July	..	..	209	200	184	199	214	216	179	184
August	..	..	200	193	187	200	205	211	185	185
September	..	..	200	194	186	193	203	211	187	187
October	..	..	210	199	185	197	188	214	192	190
November	..	..	219	208	184	199	195	214	207	198
December	..	..	210	200	194	204	196	208	200	208

INDEX NUMBER OF PRICES RECEIVED AND PRICES PAID BY THE FARMER AND THE INDEX OF PARITY.

(Base : 1954—55 = 100)

During the quarter ended December 1977 the Index Number of prices received by the Farmer increased by 23 points from 383 in September 1977 to 406 in December, 1977 or by 2.3 percent

The Index Number of prices paid by the farmer (cultivation costs and domestic expenditure) moved up by 9 points to 548 or by 1.7 percent.

Consequently the Index of parity between the prices received by the farmer and prices paid by him also increased by 3 points to 74 or by 4.2 percent.

**TABLE No. 12.10—INDEX NUMBER OF PRICES RECEIVED AND PRICES PAID BY THE FARMER
AND THE INDEX OF PARITY.**

(Base : 1954-55 = 100)

<i>Period.</i>						<i>Index number of prices received by the farmer.</i>	<i>Index number of prices paid by the farmer.</i>	<i>Index number o parity.</i>
(1)						(2)	(3)	(4)
1972	..	..	..	..	..	238	295	81
1973	..	..	..	..	..	279	325	86
1974	..	..	..	..	..	440	465	94
1975	..	..	..	..	..	501	553	91
1976	..	..	..	..	..	378	507	75
1977—								
January	..	..	..	..	..	404	533	76
February	..	..	..	..	..	423	539	79
March	..	..	..	..	..	406	534	76
April	..	..	..	..	..	407	535	76
May	..	..	..	..	..	417	535	78
June	..	..	..	..	..	420	535	79
July	..	..	..	..	..	448	538	83
August	..	..	..	..	..	423	542	78
September	..	..	..	..	..	383	539	71
October	..	..	..	..	..	390	541	72
November	..	..	..	..	..	401	551	73
December	..	..	..	..	..	406	548	74

XIII. TRADE.

FOREIGN TRADE

Quantum of Imports and Exports through the ports of Tamil Nadu.

The total value of foreign imports and exports through the ports in Tamil Nadu during the quarter ended September 1977 was of the order of Rs. 263.30 crores of which exports accounted for Rs. 145.53 crores.

When compared with the corresponding quarter of the previous year the imports increased by 4.7 per cent and the exports increased by 15.8 per cent during the quarter ended 30th September, 1977.

TABLE NO. 13.1—QUANTUM OF IMPORTS AND EXPORTS THROUGH THE PORTS OF TAMIL NADU DURING THE QUARTER ENDED 30TH SEPTEMBER, 1977 (PROVISIONAL)

(value Rupees in lakhs.)

Port. (1)	Import. (2)	Export. (3)
Madras	6,478	10,556
Cuddalore	993	29
Nagapattina	983	80
Tuticorin	2,905	134
St. Thomas Mount (Air Port)	417	3,753
Tiruchirappalli (Air Port)	1	1
Total	11,777	14,553

XIV. LABOUR AND EMPLOYMENT.

EMPLOYMENT POSITION.

During the quarter ended December, 1977, 71,996 applicants had registered their names with the Employment Exchanges as against 1,44,037 registered during the previous quarter. This showed a decrease of 50.0 per cent. The number of persons placed in employment through the Exchanges during the quarter under review was 6,285 while 5758 were placed in employment during the previous quarter. Thus, there was an increase of 9.2 per cent in placements. The number of persons on the Live Registers at the end of the quarter ended December 1977 decreased by 1.5 per cent. The number of persons on the Live Registers at the end of the quarter ended December, 1977 and September, 1977 were 9,25,842 and 9,40,189 respectively.

TABLE 14 REGISTRATIONS AND PLACEMENTS THROUGH EMPLOYMENT EXCHANGES

District. (1)	Number on the Live Register during the quarter ended.		
	September 1977. (2)	December 1977 (3)	Percentage variation (4)
1. Madras	1,79,662	1,74,642	— 2.8
2. Chengalpattu	75,861	75,054	— 1.1
3. South Arcot	40,860	38,833	— 5.0
4. North Arcot	61,838	61,389	— 0.7
5. Dharmapuri	27,915	27,848	— 0.2
6. Salem	48,775	50,922	+ 4.4
7. Coimbatore	77,112	75,881	— 1.6
8. The Nilgiris	22,545	23,550	+ 4.5
9. Tiruchirappalli	1,26,918	1,28,174	+ 1.0
10. Thanjavur	67,843	64,490	— 4.9
11. Pudukkottai	16,800	16,664	— 0.8
12. Madurai	62,014	61,869	— 0.2
13. Ramanathapuram	40,817	36,285	— 11.1
14. Tirunelveli	50,342	49,180	— 2.3
15. Kanniyakumari	40,887	41,061	+ 0.4
State	9,40,189	9,25,842	— 1.5

TABLE 14.1 REGISTRATION AND PLACEMENTS THROUGH EMPLOYMENT EXCHANGES—

District.	Registration during the quarter ended.		
	September 1977.	December 1977.	Percentage variation.
(1)	(5)	(6)	(7)
1. Madras	31,158	15,824	— 49.2
2. Chengalpattu	14,466	7,469	— 48.4
3. South Arcot	8,694	3,941	— 54.7
4. North Arcot	8,431	5,180	— 38.6
5. Dharmapuri	3,222	2,012	— 37.6
6. Salem	8,743	5,005	— 42.8
7. Coimbatore	12,495	5,876	— 53.0
8. The Nilgiris	3,298	2,435	— 26.2
9. Tiruchirappalli	11,496	5,351	— 53.5
10. Thanjavur	8,789	4,294	— 51.1
11. Pudukkottai	1,736	987	— 43.1
12. Madurai	11,601	5,611	— 51.6
13. Ramanathapuram	6,063	2,626	— 56.7
14. Tirunelveli	9,021	3,439	— 61.9
15. Kanniyakumari	4,824	1,946	— 60.0
State	1,44,037	71,996	— 50.0

District.	Placement during the quarter ended.		
	September 1977.	December 1977.	Percentage variation.
(1)	(8)	(9)	(10)
1. Madras	1,589	1,805	+ 13.6
2. Chengalpattu	370	463	+ 25.1
3. South Arcot	226	391	+ 73.0
4. North Arcot	231	328	+ 42.0
5. Dharmapuri	120	105	— 12.5
6. Salem	372	308	— 17.2
7. Coimbatore	353	538	+ 52.4
8. The Nilgiris	269	386	+ 43.5
9. Tiruchirappalli	302	634	+ 110.6
10. Thanjavur	720	533	— 26.0
11. Pudukkottai	74	84	+ 13.5
12. Madurai	478	326	— 31.8
13. Ramanathapuram	188	174	— 7.5
14. Tirunelveli	277	122	— 56.0
15. Kanniyakumari	190	88	— 53.7
State	5,758	6,285	+ 9.2

PLANTATION LABOUR.

During the quarter ended September 1976, 308 plantations were registered under the Plantation Act comprising of 143 Tea, 134 Coffee 27, Rubber and 4 Cinchona Plantations in Tamil Nadu. Of these 247 plantations comprising of 113 Tea, 105 Coffee, 25 Rubber and 4 Cinchona plantations reported statistics relating to labour employed by them.

Tea Plantations : The total number of workers employed during the quarter ended September 1976 in Tea Plantations was 51,862 as against 52,897 during the quarter ended June 1976. The number of permanent workers employed during the quarter ended September 1976 was 46,631. The average daily earnings of permanent garden labour men, women and minor workers were Rs. 6.23, Rs. 6.99 and Rs. 4.23 respectively. For outside labour men-women the earnings were Rs. 5.99 and Rs. 6.86 respectively. Minor workers were not employed.

Coffee Plantations : The total number of workers employed during the quarter ended September 1976 was 8404 as against 7597 during the previous quarter. The number of permanent workers employed during the quarter under review was 5,159. The average daily earnings of permanent garden labour, men, women and minors, were Rs. 5.34, Rs. 4.88 and Rs. 3.66 respectively. The earnings of outside labour-men women and minors were Rs. 4.34 3.93 and Rs. 2.56 respectively.

Rubber Plantations : The total number of workers employed during the quarter ended September 1976 in Rubber Plantations was 1451 as against 1512 during the previous quarter. The number of permanent workers employed during the quarter ended September 1976 was 1374. The average daily earnings of permanent garden labour-men and women workers, were Rs. 7.66 and Rs. 6.56 respectively. The corresponding earnings for outside labour-men-women were Rs. 7.51 and 6.59 respectively.

Cinchona Plantations : The total number of workers employed during the quarter ended September 1976 in cinchona [plantations was 2222 as against 714 during the previous quarter. The number of permanent workers employed during the quarter ended September 1976 was 1609. The average daily earnings of permanent garden labour-men, women and minors were Rs. 6.29, Rs. 7.29 and Rs. 7.62 respectively.

TABLE NO. 14.2 WORKERS IN PLANTATIONS.

Plantations.	June 1976.			September 1976.		
	Total number of workers.	Number of permanent workers.	Average daily attendance of permanent workers.	Total number of workers.	Number of permanent workers.	Average daily attendance of permanent workers.
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Tea	52,897	49,082	41,045	51,862	46,631	38,905
Coffee	7,597	4,934	4,059	8,404	5,159	4,286
Rubber	1,512	1,387	1,242	1,471	1,374	1,156
Cinchona	714	405	336	222	609	331

TABLE NO. 14.3 AVERAGE DAILY EARNINGS OF WORKERS IN PLANTATIONS.

Category of Plantations.		Workers.		Average daily earnings.				
				June, 1976		September, 1976		
				Garden Labour.	Outside Labour.	Garden Labour.	Outside Labour.	
(1)		(2)	(3)	(4)	(5)	(6)		
Tea	Men	..	Rs. 6.70	Rs. 6.22	Rs. 6.23*	Rs. 5.99
			Women	..	6.66	5.72	6.99**	6.86
			Minors	..	3.74	..	4.23	..
Coffee	Men	..	3.70	4.97	5.34	4.34
			Women	..	5.04	4.45	4.88	3.93
			Minors	..	3.82	..	3.66	2.56
Rubber	Men	..	7.49	7.45	7.66	7.51
			Women	..	6.85	6.60	6.56	6.59
Chinchona	Men	..	4.63	..	6.29***	..
			Women	..	4.01	..	7.29***	..
			Minors	7.62***	..

* The decrease in the average daily earnings of men workers during the quarter ended September 1976 was due to reduction of dearness allowance paid to the workers based the cost of living index that prevailed during the period.

** The increase in the average daily earnings of women and minor workers during the quarter ended September 1976 was due to incentive payments paid to them. Generally women and minors pluck more green leaves than men workers. Men workers are primarily engaged in cultivation operations of the estates.

*** The increase in the average daily earnings of men, women and minor workers in cinchona plantations during the quarter ended September, 1976 compared with the quarter ended June 1976 was due to payments of leave salary with wages, sickness allowance, maternity benefit, way expenses and retrenchment compensation etc., paid during the quarter in one particular estate.

XV. STATE FINANCE

RECEIPTS AND EXPENDITURE.

The receipts under Revenue Accountant for 1977-78 was Rs. 6,33,24 lakhs (Budget Estimates) as against Rs. 6,14,49 lakhs (Revised Estimate) for the previous year.

The expenditure under Revenue Account was Rs. 6,63,40 lakhs (Budget Estimates) as against Rs. 6,27,27 lakhs (Revised Estimate) for the previous year.

There was a deficit of Rs. 30,16 lakhs in 1977-78 while the deficit was Rs. 1278 lakhs in the previous year.

TABLE NO. 15.1—RECEIPT AND EXPENDITURE ON REVENUE ACCOUNT.

Item. (1)	(Rupees in lakhs.)					
	1972-73@ (2)	1973-74@ (3)	1974-75@ (4)	1975-76@ (5)	1976-77R (6)	1977 1978B.E. (7)
Receipt	438,08	4,86,30	5,20,29	5,63,36	6,14,49	6,33,24
Expenditure	4,17,04	4,72,63	5,28,36	5,57,92	6,27,27	6,63,40
Surplus or Deficit	±27,04	±13,67	—807	—5,44	—12,78	—30,16

@ Accounts.

R, Revised Estimate.

B.E. Budget Estimate.

XVI. STATE INCOME

TREND IN STATE INCOME.

The Net State Domestic Product of Tamil Nadu for 1975-76 revised estimates showed an increase of 6.8 per cent over the previous year.

This increase was attributed to a record production of 77.6 lakhs tonnes of foodgrains during the year as against 47.97 lakh tonnes in 1974-75. The increase in agricultural production was accounted for mainly by cereals viz., rice (+64 per cent) jowar (+50.0 per cent) bajra (+60.0 per cent), maize (+87 per cent) and ragi (+36.0 per cent) and supplemented by increased production in groundnut (56.0 per cent), Cotton (+42.0 per cent), tobacco (+170.0 per cent), chillies (+24.0 per cent) and turmeric (+56.0 per cent).

In percentage terms, the income accruing from Agricultural sector, recorded an increase of 2.1 per cent for Tamil Nadu while there was a decrease of 4.9 per cent at the all India level. On the whole, the development in the agricultural front during 1975-76 has been satisfactory for Tamil Nadu. Certain other sectors had also contributed to the increase during 1975-76. The outstanding among them are fishery (7.4 per cent), mining and quarrying (8.3 per cent), manufacturing registered (4.8 per cent) manufacturing unregistered (7.0 per cent), construction (7.3 per cent), transport by other means (13.0 per cent) banking and insurance (17.2 per cent) and public administration (3.8 per cent).

The performance of production in the traditional industrial goods especially textiles (5.5 per cent), mixed fertilizers (531.8 per cent), cement (8.9 per cent), and electricity (6.0 per cent), tea (14.6 per cent) and coffee (4.1 per cent) and the increased activity in the mining industry (8.2 per cent), supplemented by the industrial discipline during 1975-76 enabled the manufacturing sector to forge ahead, inspite of the economic strain suffered during the first half of the year under review. This proved that the performances of agricultural sector during the year was better than industrial sector thereby restoring the tempo of over all economic development in 1975-76, which suffered severe set back during the previous year.

Construction industry also gathered record momentum in 1975-76, in which the Building Cost Index Number for labour registered an increase to the extent of 374.8 points in 1975-76 from 241.5 in 1974-75 (1961-62=100).

Transport by other means showed an increase of 13.0 per cent of which the mechanised road transport accounts for a larger share due to increase in fleet strength, expanded operation and revision of fares.

TABLE NO.16,1 NET STATE DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY OF ORIGIN AND AT CURRENT PRICES.

Industry.	1960—61	1970—71	1971—72	1972—73
(1)	(2)	(3)	(4)	(5)
	(Rupees in lakhs.)			
1. Agriculture	56,437	88,534	106,696	108,210
2. Forestry and logging	353	815	1,066	903
3. Fishing	896	1,988	2,165	2,561
4. Mining and quarrying	116	1,079	1,348	132
5. Sub-Total: Primary	57,802	92,416	111,275	112,928
5.1 Manufacturing (Under factories act)	8,838	30,794	32,053	34,369
5.2 Manufacturing others	7,863	19,150	20,411	22,228
6 Construction	1,827	5,692	6,166	6,514
7. Electricity, gas and water supply ..	1,028	2,720	2,986	3,329
8. Sub Total: Secondary	19,556	58,356	61,616	66,435
8.1 Railways	1,241	2,908	3,004	2,986
8.2. Transport by other means ..	1,961	7,670	8,508	9,264
8.3 Communication	621	2,705	2,863	2,877
9. Trade, Storage, Hotels and Restaurants.	12,779	31,020	33,798	38,898
Sub-total	16,602	44,303	48,173	54,024
10. Banking and insurance	1,416	5,057	6,411	7,463
11. Real estate and ownership of dwellings. ..	2,382	5,134	5,537	6,083
Sub Total	3,798	10,191	11,948	13,546
12. Public Administration	2,879	7,937	9,324	9,944
13. Other Services	10,548	23,426	24,714	26,617
Sub Total	13,427	31,363	34,038	36,561
14 Net State Domestic product at Factor cost for Tamil Nadu. ..	111,185	236,629	267,050	283,565
15. Per capita Net State Domestic Product for Tamil Nadu (in Rs.)	334	579	640	664
16. Per capita Net State Domestic Product for all India (Rs.)	306	637	657	702

TABLE NO. 16.1 NET STATE DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY OF ORIGIN AND AT CURRENT PRICES—*cont.*

Industry.					1973—74A	1974—75B	1975—76C
(1)					(6)	(7) (Rupees in lakhs)	(8)
1.	Agriculture	..	..	..	139,615	118,795	121,331
2.	Forestry and logging	..	..		1,084	1,483	1,265
3.	Fishing	..	..	..	2,969	2,981	3,202
4.	Mining and Quarrying	..	..		1,509	1,828	1,979
5.	Sub Total	Primary	..	..	<u>145,177</u>	<u>125,087</u>	<u>127,777</u>
5.1	Manufacturing (Under factories act)	..	..		43,110	56,042	58,718
5-2.	Manufacturing others	..	..		31,995	33,984	36,379
6.	Constructions	..	..	..	7,431	8,176	8,769
7.	Electricity, gas and water supply	..			3,386	3,537	3,899
8.	Sub Total:	Secondary	..	..	<u>85,922</u>	<u>101,739</u>	<u>107,765</u>
8.1	Railways	..	..	..	2,619	3,463	3,639
8-2.	Transport by other means	..	..		10,020	10,776	12,182
8.3	Communication	..	..	..	3,721	3,902	4,092
9.	Trade, Storage, Hotels and Restaurants				49,676	54,999	64,842
	Sub-total	..	..	..	66,036	73,140	84,755
10.	Banking and insurance	..	..		8,613	10,858	12,721
11.	Real estate and owner ship of dwellings				6,665	7,117	7,855
	Sub Total	..	..	..	<u>15,278</u>	<u>17,975</u>	<u>20,576</u>
12	Public Administration	..	..		11,990	12,992	13,491
13.	Other Services	..	..	..	28,139	31,313	32,629
	Sub Total	..	..	..	<u>40,129</u>	<u>44,305</u>	<u>46,120</u>
14	Net State Domestic Products at Factor cost for Tamil Nadu.				352,542	362,246	386,993
15.	Per capita Net State Domestic Product for Tamil Nadu (in Rs.)				810	814	851
16.	Per capita Net State Domestic Product for all India (Rs.)				856	989	1,005

A—Partially revised

B—Preliminary

C—Quick Estimates

**TABLE NO. 16.2—NET STATE DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY OF ORIGIN
AND AT CONSTANT PRICES.**

	Industry.	1960-61.	1970-71.	1971-72.	1973-73.
	(1)	(2)	(3)	(4)	(5)
			(Rupees in lakhs.)		
1	Agriculture	56,437	5,64,15	6,05,72	5,92,36
2	Forestry and logging	3,53	5,19	5,29	427
3	Fishing	8,96	17,11	1,862	20,42
4	Mining and Quarrying	1,16	990	1,020	759
	Sub Total : Primary ..	5,78,02	5,96,35	6,39,83	62,4,64
5.1	Manufacturing (under factories Act).	8,838	16,1,29	16,2,53	16,5,27
5.2	Manufacturing others	7,863	1,30,37	13,7,48	14,5,04
6	Construction	1,827	2,967	3,117	3,274
7	Electricity, gas and water supply	1,028	2,374	2,611	2,683
	Sub Total : Secondary ..	19,556	3,45,07	3,57,29	3,69,88
8.1	Railways	1,241	2,125	2,128	2,228
8.2	Transport by other means ..	1,961	4,274	4,529	4,720
8.3	Communications	6,21	1,455	1,464	1,475
9	Trade, Storage, Hotels and Restaurant.	127,79	15,746	16,7,32	16,839
	Sub Total	16,602	23,600	24,853	25,262
10	Banking and Insurance	1,416	2,465	2,981	3,245
11	Real estate and ownership of dwellings.	2,382	3,123	3,210	3,300
	Sub Total	3,798	5,588	6,191	6,545
12	Public Administration	2,879	6,400	7,234	7,485
13	Other Services	10,548	129,54	13,147	13,339
	Sub Total	13,427	19,354	20,381	20,824
14	Net State Domestic Product at factor cost for Tamil Nadu.	111,185	142,684	151,137	152,083
15	Per capita Net State Domestic Product for Tamil Nadu (in Rs.)	334	349	362	356
16	Per capita Net State Domestic Product for all India (in Rs.)	306	353	349	337

TABLE NO. 16.2—NET STATE DOMESTIC PRODUCT AT FACTOR COST BY INDUSTRY OF ORIGIN
AND AT CONSTANT PRICES—*cont.*

Industry.				1973-74A	1974-75B	1975-76C
(1)				(2)	(7) (Rupees in lakhs.)	(8)
1	Agriculture	..	..	56,351	3,98,16	52,570
2	Forestry and logging	..	..	443	398	440
3	Fishing	..	..	2,244	2,128	2,327
4	Mining and Quarrying	..	..	900	798	827
Sub-Total : Primary				5,99,38	4,31,40	5,61,64
5.1	Manufacturing (Under Factories Act).			15,882	1,73,84	1,73,75
5.2	Manufacturing (Others)	..	..	15,308	1,61,65	1,70,76
6	Construction	..	..	3,439	36,14	37,98
7	Electricity, gas and water supply			2,711	28,30	31,26
8	Sub-Total : Secondary	..		37,340	3,99,93	4,13,75
8.1	Railways	..	..	2,130	2,207	22,34
8.2	Transport by others means	..		4,911	5,102	5,266
8.3	Communications	..	..	1,795	1,729	1,878
9	Trade, Storage, Hotels and Restaurant.			1,71,89	14,212	16,974
9.1	Sub-Total	..	..	2,60,25	2,32,50	2,63,52
10	Banking and Insurance	..	..	30,32	2,920	33,06
11	Real estate and ownership of dwellings.			33,92	3,487	3,584
Sub-Total				64,24	64,07	6,890
12	Public Administration	..	..	8,812	9,278	9,324
13	Other Services	..	..	1,35,50	13,762	13,899
Sub Total				2,23,62	2,30,40	2,32,23
14	Net State Domestic Product at factor cost for Tamil Nadu.			15,20,89	13,58,30	15,40,04
15	Per capita Net State Domestic Product for Tamil Nadu (in Rs.)			305	305	338
16	Per Capita Net State Domestic Product for All India (in Rs.)			349	343	366

A—Partially revised.

B—Preliminary.

C—Quick Estimates.