



GOVERNMENT OF KERALA

**STATISTICS  
FOR PLANNING**

**SERIES 9**

**RATES AND RATIOS**

*Issued by:*

BUREAU OF ECONOMICS AND STATISTICS

TRIVANDRUM.

1974



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SERIES A

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## FOREWORD

This Volume, 'Rates and Ratios' is prepared in the Publication Division of the Bureau of Economics and Statistics and forms 'No. 9' in the Series 'Statistics for Planning'.

This Volume contains three Parts. Part I relates to Kerala and Part II relates to All India (State wise) Important international Comparisons on Rates and Ratios are given in Part III.

This publication on 'Rates and Ratios' is the first of its kind brought out by the Bureau. I hope that this will be of immense use to planners and policy makers.

N. GOPALAKRISHNAN NAIR

*Director.*

BUREAU OF ECONOMICS & STATISTICS

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DATA BANK, STATE PLANNING BOARD.

Trivandrum, }  
9-8-1974. }

FOREWORD

The volume of the Bureau of Economic Warfare and the Bureau of Economic Warfare, in the series of studies for Planning.

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# ERRATA

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1	2	3	4	5
1	Table 1.2	Percentage decadal variations	1901-11 1961-71	with + sign
2	" 1.3	Title		Kerala KRRLA
2	" 1.4	"		Ratio of population Ratio population
6	" 1.9	Per capita expenditure class col-5		28.55 0-28-55
7	" 1.10	Title		PERSONS PERONS
13	" 1.21	Item		Guava Guva
21	" 2.2	Net area sown		Net area sown Net area shown
22	" 2.2	Net area sown (Area)	1970-71	2171682 2771682
22	" 2.2	"	1965-66	Other fallows Other follow
27	" 2.8	B Item		ground nut ground unt
28	" 2.8	Cardamom	1965-66	100.6 165.0
28	" 2.8	Turmeric		Turmeric Tumerrie
29	" 2.9	Rubber	1969-70	355.3 155.3
30	" 2.9	Tobacco	1970-71	243.5 24.5
31	" 2.10	Rubber	1969-70	167.1 196.1
33	" 2.11	Ginger Cannanore Dist.	1960-61-70-71	+81.61 82.62
34	" 2.11	Coconut Quilon	"	-12.21 12.21
"	" 2.11	Sesamum Cannanore	"	+19.45 +1945
38	" 2.16	Quilon	1962-63	102.06 10 206
44	" 2.24	Rice	—	2/3 2/4
"	" 2.24	Jute 1 ton sacking		1.11 tons of raw Jute 1.11 tons of raw Jute
"	" 2.24	Jute on ton of Lesson sacking		6.17 bales of raw Jute (of 400 lb each) 1.05 tons of raw Jute 5.9 bales of raw Jute (of 400 lb each 1.05 tons of raw Jute 5.9 bales of raw Jute (of 400lb each)

Page No.		Items	Years	Read	for
1		2	3	4	5
47	..	2.25 Item			
55	..	2.36 Fish (marine)	1960-61	Sun flower cake 14,816*	Safflower cake 14816
..	..	2.36 "	1965-66	11,354	11,354*
55	..	2.37 Title		.Day	Daily
56	..	2.38 heading			
59	..	2.43 Item		Average yield of milk/eggs per ani- mal/poultry in Kerala	Average yield of milk/eggs per Animal poultry in Kerala
59	..	2.43 Anchovia	1951	Pomfret ++100	Porofret 100
59	..	2.43 Item		Anchioviois	Anchovilla
65	..	3.3 Ernakulam	1969	423	421
67	..	3.6 Tea manufacturing (wages salaries etc.)	1962	3.26	26
83	..	4.7 Cigar	1965	206.77	206.77 al
..	..	4.7 "	1969	291.73 al	291.73
84	..	4.8 heading		in Rs.	—
87	..	4.12 Item		Employers	Employees
102	..	6.7 Item		in India (includ- ing English)	in (including India English)
103	..	6.9 Quilon (col: 9)	1970-71	3.61	3.61
106	..	6.15 Title		Ratio	Ration
110	..	6.20 Year	1970-71	1970-71	1910-71
111	..	7.2 heading		Rs. crores	Rs. corres
115	..	7.9 heading	1961-62	1961-62	1661-62
123	..	8.6 Index (col: 3)	1962-63	758.33	650.33
124	..	8.7 " "	1966-67	546.0	446.0
129	..	1.1 Rajasthan (col: 3)	1971	25.8	24.8
130	..	1.2 Maharashtra (col.3)	1971	9.20	90.20
132	..	1.4 Orissa (col: 4)	1911-21	-1.94	+1.94
134	..	1.7 Class IV	1971	12.04	+12.04
136	..	1.9 Punjab	1971	28.81	48.81
137	..	1.10 Tamil Nadu	1971	58.42	52.48

Page No.	Items	Years	Read	for
1	2	3	4	5
142	1 16	70-80		
146	1 20	heading	1952	11.90
150	1 26	All commodities	1961-62	Broad
150	1 26	Fuel power etc.	1967-68	11.0
155	2 3	Table No. continued	1970-71	+ 4.3
158	2 5	Col: 1	—	2.3 contd.
167	2 14	Private tube wells (%)	—	Ragi
172	2 21	Uttar Pradesh (others)	1966-67	2 74
	2 21	Nagaland (%)		2.52 (4 0)
183	2 36	Item		25.5
185	2 39	heading		Round wo. d
191	3 3	No. of persons employed	1966-67	Sq: km
195	3 5	Item	1962	9.48
201	3 11	heading		Rail road
203	3 13	chemicals (including drugs and pharmaceuticals)	1959 & 1965	Rank
211	3 21	Maharashtra	1954	143.2
218	4 2	Rajasthan	1969	1639
220	4 4	metal products	1969	0 76
	4 4	Recreation Services	1969	2539
	4 4	Jute mills	1969	1882
	5 1	Food	1961	102 3
233	5 2	gross national product (Index No.)	1955-56	86 8
233	5 2	Imports (a. Index No)	1952-53	103.73
236	5 8	Heading	"	97.76
238	5 10	heading (col. 10)		397.76
				Net revenue as % of capital at charge
				Net revenue as % of capitals at charge
				Route length per 1000 sq. kms. of area
				Route length per 100 sq. kms. of area
				2875.0
				2874.0
				18.59
				14.59
239	5 11	National income (current price)	1961-62 to 1965-66	0 01
				7 9
240	5 13	All roads Kerala (col. 7)		282
240	5 13	Union territories		328
				822
				228

Page No.		Items	Year	Read	for
1		2	3	4	5
245	„	5.17 Orissa (col: 2)	1968	852	882
256	„	6.5 Pure sciences (col: 2)	1955	930	950
„	„	6.5 History & Geography (col: 8)	1969	1268	1168
262	„	6.11 Estimated population Manipur (col:4)	1968-69	0.18	9.18
273	„	7.9 Col.3	—	Income	Indance
275	„	7.11 Maharashtra	1970-71	45.23	42.23
276	„	7.12 Punjab	1969-70	45.35	43.35
280	„	8.3 Item 11-3		Farmers	Francis
292	„	8.14 Others	1951-68	582.2 +	58.22
294	„	9.1 heading	—	Infrastructure	Infrastrucurem
303	„	3 Syrian Arab Republic (col: 10)	1960-70	2.6	8.7
303	„	3 Nicaragua (col: 10)	„	—	4.3
303	„	„ Iraq (col: 10)	„	4.3	10.4
302	„	„ Syrian Arab republic (col: 11)	„	8.7	—
„	„	„ Nicargua (col. 11)	„	10.4	—
303	„	„ Venezuela (col. 5)	„	35.4	34.4
„	„	„ Guatemala (col: 10)	„	3.4	8.3
306	„	4 Chad (col: 6)	1960-69	-1.3	1.2
316	„	13 Belgium (Total)	1970-71	323.74	223.74
321	„	19 Argentina	1964	-9	+9
323	„	22 Philippines (period)	1957-59	1957-59	1857-59
326	„	25 Gross national product (million us) Peru	1969	5125	5120



PART I KERALA

PART I. KERALA

**TABLE 1.1**

**AREA, POPULATION, SEX RATIO, DENSITY AND GROWTH RATES OF POPULATION IN KERALA BY DISTRICTS, 1961-71**

District	Area		Population 1971		Sex-Ratio (Females per 1000 males)		Density of population per Sq. k. m.		Decennial growth rate of population	
	Sq. k. m.	% to total	Persons (lakhs)	% to total	1961	1971	1961	1971	1951-61	1961-71
1	2	3	4	5	6	7	8	9	10	11
<b>KERALA</b>	38855	100.0	213.47	100.00	1022	1016	435	549	24.76	26.29
Cannanore	5705	14.7	23.65	11.1	1035	1017	312	415	29.47	32.85
Kozhikode	3729	9.6	21.06	9.8	992	991	426	565	29.56	32.60
Malappuram	3638	9.4	18.56	8.7	1057	1041	381	510	20.67	33.80
Palghat	4396	11.3	16.85	7.9	1077	1056	311	383	12.79	23.06
Trichur	3032	7.8	21.29	10.0	1093	1081	557	702	20.32	26.09
Ernakulam	3270	8.4	23.83	11.2	997	983	571	729	21.53	27.69
Kottayam	6388	16.4	20.85	9.8	963	976	270	326	30.59	20.78
Alleppey	1835	4.9	21.26	9.9	1027	1028	958	1128	19.03	17.73
Quilon	4619	11.9	24.13	11.3	996	1001	421	522	31.70	23.93
Trivandrum	2193	5.6	21.99	10.3	1005	1008	796	1003	31.38	26.03

Sources:- Census of India, 1971, Kerala Paper 1 of 1971.

**TABLE 1.2**

**PERCENTAGE, DECADAL VARIATIONS IN POPULATION IN KERALA BY DISTRICTS, 1901 to 1971**

State/District	1901-11	1911-21	1921-31	1931-41	1941-51	1951-61	1961-71
1	2	3	4	5	6	7	8
<b>KERALA</b>	11.75	+ 9.16	+21.85	+16.04	+22.82	+24.76	26.29
Cannanore	6.91	+ 2.81	+15.21	+12.64	+22.44	+29.47	32.85
Kozhikode	7.53	+ 3.49	+16.82	+12.22	+27.59	+29.56	32.60
Malappuram	+ 9.64	+ 2.17	+14.44	+11.73	+17.67	+20.67	33.80
Palghat	+ 7.31	+ 4.18	+10.22	+ 8.90	+18.45	+12.79	23.06
Trichur	+12.65	+ 5.72	+22.14	+16.17	+21.53	+20.32	26.09
Ernakulam	+13.98	+ 9.29	+26.62	+20.84	+19.86	+21.53	27.69
Kottayam	+17.87	+16.08	+37.00	+21.82	+22.60	+30.59	20.78
Alleppey	+14.83	+18.53	+24.33	+12.69	+19.41	+19.03	17.73
Quilon	+14.70	+18.61	+27.86	+25.32	+29.04	+31.70	23.93
Trivandrum	+17.54	+17.02	+28.58	+18.46	+30.81	+31.38	26.03

Source:- Census of India 1971, Kerala, Paper 1 of 1971 and Final Population Totals 1971.

TABLE 1.3

RURAL URBAN COMPOSITION OF POPULATION IN KRRLA BY DISTRICTS, 1961 and 1971

State/ District.	Percentage of Urban to total population.		Decennial growth rate 1961-71(+)		
	1961	1971	Total	Rural	Urban
1	2	3	4	5	6
KERALA	15.11	16.24	26.29 *	24.61	35.72
Cannanore	16.86	13.74	32.85	37.84	8.26
Kozhikode	23.89	26.64	32.60	27.77	47.97
Malappuram	5.48	6.74	33.80	32.03	64.35
Palghat	10.87	12.70	23.06	20.53	43.80
Trichur	11.00	11.74	26.09	25.05	34.58
Ernakulam	21.18	27.57	27.69	17.34	66.17
Kottayam	9.58	10.22	20.78	19.93	28.81
Alleppey	17.19	16.93	17.73	18.12	15.87
Quilon	7.41	7.87	23.93	23.31	31.66
Trivandrum	25.71	26.01	26.03	25.55	27.42

Source:- Census of India 1971, Kerala, Page 1 of 1971 and Final Population Totals 1971

TABLE 1.4

VARIATIONS IN SEX RATIO POPULATION IN KERALA BY DISTRICTS, 1901 to 1971  
(NUMBER OF FEMALES PER 1000 MALES)

District	1901	1911	1921	1931	1941	1951	1961	1971
1	2	3	4	5	6	7	8	9
KERALA	1004	1008	1011	1022	1027	1028	1022	1016
Trivandrum	996	990	981	1003	1017	1010	1005	1008
Quilon	987	988	978	998	1005	994	996	1001
Alleppey	986	987	979	993	1000	1019	1027	1028
Kottayam	951	948	933	941	946	970	963	976
Ernakulam	985	988	966	989	991	1003	997	983
Trichur	1003	1008	1051	1075	1081	1102	1093	1081
Palghat	1038	1051	1065	1079	1082	1088	1077	1056
Malappuram	..	..	..	..	..	..	1057	1041
Kozhikode	1001	1009	1023	1030	1038	1016	992	991
Cannanore	1050	1061	1086	1074	1078	1057	1035	1017

Source:- i. Census of India 1961 Kerala, Dist. Census Hand Books  
 ii. Census of India 1971-Kerala-Paper 1 of 1971  
 iii. Districts of Census Operation-Final Population Total-1971.

TABLE 1.5

DENSITY AND PROXIMITY OF POPULATION AND PERCAPITA AREA OF LAND  
IN KERALA, 1836 to 1971

Census Year	Density of Population (per sq. k. m.)	Proximity of population (in metres)	Per capita area of land in (hct.)
(1)	(2)	(3)	(4)
1836	68	130.47	1.47
1875	130	94.17	0.77
1881	134	92.72	0.74
1891	150	87.78	0.67
1901	165	83.75	0.61
1911	184	79.23	0.54
1921	201	75.83	0.50
1931	245	68.70	0.41
1941	284	63.77	0.35
1951	349	57.55	0.29
1961	435	51.52	0.23
1971	549	..	..

TABLE 1.6

PERCENTAGE DISTRIBUTION OF WORKING POPULATION BY AGRICULTURAL AND OTHER  
WORKERS—KERALA, 1961 and 1971

District	Persons/		Agricultural workers				Workers other than cultivator	
	Males/	Total	Cultivators		Agrl. labourers & agricultural labourers			
	Females	workers	1961	1971	1961	1971	1961	1971
1	2	3	4	5	6	7	8	9
KERALA	P	100.00	20.92	17.80	17.38	30.69	61.70	51.51
	M	100.00	22.91	21.81	13.10	25.10	63.99	53.09
	F	100.00	16.25	4.64	27.42	49.06	56.33	46.30
Cannanore	P	100.00	24.29	18.31	17.48	33.92	58.23	47.77
	M	100.00	21.88	20.95	11.24	24.92	66.88	54.13
	F	100.00	29.15	10.23	30.04	61.53	40.81	28.24
Kozhikode	P	100.00	12.78	14.57	11.24	26.34	75.98	59.09
	M	100.00	13.21	16.75	8.63	22.67	78.16	60.58
	F	100.00	11.36	4.32	19.81	43.59	68.83	52.09

TABLE 1.6 (Continued)

1	2	3	4	5	6	7	8	9
Malappuram	P	100.00	21.21	18.84	19.06	39.12	59.73	42.04
	M	100.00	23.27	21.86	12.99	32.42	63.74	45.72
	F	100.00	15.33	6.07	36.34	67.45	48.33	26.48
Palghat	P	100.00	20.06	15.74	34.50	48.42	45.44	35.84
	M	100.00	21.68	19.93	24.11	35.14	54.21	44.93
	F	100.00	17.37	7.44	51.75	74.76	30.88	17.80
Trichur	P	100.00	16.58	13.65	15.11	32.84	68.31	53.51
	M	100.00	18.18	17.28	9.69	24.53	72.13	58.19
	F	100.00	13.52	4.81	25.44	53.03	61.04	42.16
Ernakulam	P	100.00	20.61	14.63	14.09	22.23	65.30	63.14
	M	100.00	20.62	17.72	9.15	16.68	70.23	65.60
	F	100.00	20.58	3.07	26.17	42.98	53.25	53.95
Kottayam	P	100.00	19.99	24.31	15.04	26.02	64.97	49.67
	M	100.00	23.21	29.87	12.79	23.26	64.00	46.87
	F	100.00	10.02	2.40	21.99	36.89	67.99	60.71
Alleppey	P	100.00	17.99	16.01	19.19	30.66	62.82	53.33
	M	100.00	22.67	20.55	14.97	24.47	62.36	54.98
	F	100.00	8.59	1.97	27.69	49.77	63.76	48.26
Quilon	P	100.00	31.67	26.89	13.70	20.81	54.63	52.30
	M	100.00	37.95	34.21	13.51	20.43	48.54	45.36
	F	100.00	16.62	1.70	14.17	22.10	69.21	76.20
Trivandrum	P	100.00	21.51	14.05	14.65	29.85	63.84	56.10
	M	100.00	23.80	17.17	15.19	30.53	61.01	52.30
	F	100.00	14.96	2.08	13.12	27.26	71.92	70.66

Source:- i. Census of India 1971, Kerala, Paper 1 of 1971-supplement.

ii. Final Population figures 1971

TABLE 1.7

DISTRIBUTION OF POPULATION BY WORKERS IN KERALA BY DISTRICTS, 1961 and 1971

District	Persons/ Males Females	Percentage of workers to Total population	
		1961	1971
1	2	3	4
KERALA	P	33.31	29.12
	M	47.20	45.00
	F	19.71	13.49
Cannanore Dist	P	35.37	30.21
	M	48.10	45.97
	F	23.08	14.73
Kozhikode "	P	30.49	26.92
	M	46.57	44.19
	F	14.28	9.49
Malappuram "	P	31.56	27.08
	M	48.05	44.68
	F	15.97	10.16
Palghat "	P	40.47	35.89
	M	52.46	49.06
	F	29.35	23.42
Trichur "	P	33.11	28.35
	M	45.45	41.81
	F	21.82	15.91
Ernakulam "	P	33.18	28.84
	M	47.03	45.12
	F	19.29	12.27
Kottayam "	P	32.62	29.72
	M	48.38	46.86
	F	16.25	12.16
Alleppey "	P	33.72	28.15
	M	45.64	43.13
	F	22.12	13.58
Quilon "	P	32.51	28.61
	M	45.77	44.37
	F	19.20	12.87
Trivandrum "	P	31.00	28.58
	M	46.05	45.51
	F	16.04	11.77

Source: i. Census of India 1971, Kerala Paper 1 of 1971-supplement.  
 ii. Final population Tables 1971.

TABLE 1.8

PERCENTAGE DISTRIBUTION OF WORKING FORCE IN KERALA BY INDUSTRIAL CATEGORIES,  
1951 1961, and 1971

1961 Census industrial category	Persons			Males			Females		
	1951	1961	1971	1951	1961	1971	1951	1961	1971
I	2	3	4	5	6	7	8	9	10
Total workers	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
I. Cultivators	23.2	20.92	17.80	25.6	22.91	21.81	17.0	16.25	4.64
II. Agricultural Labourers	25.5	17.38	30.69	22.7	13.10	25.10	32.4	27.42	49.06
III. Mining, Quarrying, Livestock, Forestry, Fishing, Hunting Plantation, Orchards and allied activities	7.4	8.65	7.47	7.4	10.10	8.06	7.5	5.27	5.56
IV. Household Industry	..	8.68	4.28	..	4.78	3.10	..	17.82	8.15
V. Manufacturing (other than household Industry)	18.8	9.40	11.45	15.6	9.96	11.19	26.9	8.10	12.30
VI. Construction	1.5	1.26	1.73	2.0	1.71	2.16	0.3	0.18	0.30
VII. Trade and Commerce	6.6	5.72	9.10	8.4	7.56	11.27	2.1	1.41	1.98
VIII. Transport, Storage and Communication	3.2	2.71	3.90	4.2	3.67	4.78	0.7	0.45	1.00
IX. Other Services	13.8	25.28	13.58	14.1	26.21	12.53	13.1	23.10	17.01

Source: 1. Census of India paper No. 1 of 1962-1961 Census Final Population Tables.

2. Census of India 1961-Vol VII Kerala-Part II-B (i)-General Economic Tables-Table B1.

3. Final Population Tables-1971.

TABLE 1.9

PERCENTAGE DISTRIBUTION OF PERSONS ACCORDING TO MONTHLY PER CAPITA EXPENDITURE  
BY BROAD EXPENDITURE CLASSES IN KERALA, 1958-59 to 1964-1965

YEAR	Per capita expenditure class						
	Rs. 0-15	Rs. 15-28	Rs. 0-28 (column 2+3)	Rs. 0-28-55	Rs. 55 & above	Rs. 28 & above (col. 5+6)	All expen- diture classes
1	2	3	4	5	6	7	8
1958-59	58.74	30.51	89.25	9.49	1.26	10.75	100.00
1959-60	53.91	31.57	85.48	12.82	1.70	14.52	100.00
1960-61	50.60	32.90	83.50	14.50	2.00	16.50	100.00
1961-62	40.14	48.27	88.41	8.27	3.32	11.59	100.00
1963-64	40.32	43.57	83.89	13.08	3.03	16.11	100.00
1964-65	35.28	47.00	82.28	14.81	2.91	17.72	100.00

+ N. S. S. rounds 14 to 19



TABLE 1.10

PERCENTAGE DISTRIBUTION OF PERONS IN KERALA ACCORDING TO MONTHLY PERCAPITA EXPENDITURE, 1958-59 to 1964-65

Per Capita expenditure class	1958-1959	1959-60	1960-61	1961-62	1963-64	1964-65
0-8	18.47	13.40	9.47	8.92	5.93	4.19
8-11	21.48	20.93	16.50	3.93	12.19	9.69
11-13	11.52	12.34	9.42	11.57	10.98	9.20
13-15	7.27	7.24	15.21	15.73	11.22	12.20
15-18	12.31	15.55	9.84	15.05	15.09	16.75
18-21	6.55	6.36	9.05	11.68	12.27	12.05
21-24	5.40	5.21	8.16	14.66	8.58	10.13
24-28	6.25	4.45	5.85	6.88	7.63	8.07
28-34	4.14	5.47	6.76	3.83	6.64	5.52
34-43	2.77	5.31	6.08	2.86	3.96	7.15
43-55	2.58	2.04	1.66	1.58	2.48	2.14
55 & above	1.26	1.70	2.00	3.32	3.03	2.91
All classes	100.00	100.00	100.00	100.00	100.00	100.00

Source: N. S. S. 14th to 19th Round

TABLE 1.11

PERCENTAGE DISTRIBUTION OF HOUSE HOLDS IN KERALA ACCORDING TO MONTHLY PER CAPITA EXPENDITURE 1958-59 to 1967-68

Per capita Expenditure classes (in Rs.)	1958-59	1959-60	1960-61	1961-62	1963-64	1964-65	1965-66	1966-67	1967-68
1	2	3	4	5	6	7	8	9	10
0-8	17.29	12.47	6.04	7.13	5.34	3.31	4.1	1.3	0.7
8-11	19.18	18.27	11.76	3.21	10.33	8.30	7.8	5.0	3.0
11-13	10.86	11.57	7.83	8.97	9.93	8.36	10.6	5.0	4.3
13-15	7.83	7.16	13.05	14.96	9.81	11.54	9.7	9.1	5.2
15-18	13.05	16.20	9.25	15.09	15.07	16.05	17.0	13.2	9.9
18-21	7.38	6.56	7.97	9.19	12.80	11.65	12.7	12.6	11.6
21-24	5.08	6.70	9.16	16.42	8.96	10.33	7.8	9.8	13.2
24-28	6.64	4.64	6.24	7.77	7.99	8.80	9.2	11.3	11.0
28-34	3.68	6.15	6.81	4.76	7.57	6.06	5.9	12.6	13.0
34-43	3.67	5.42	10.68	3.14	4.74	8.03	5.7	8.1	9.4
43-55	2.95	2.77	4.72	2.30	3.06	2.95	1.2	5.8	7.8
55 & above	2.39	2.09	6.49	7.06	4.40	4.62	8.3	6.2	10.9
All Classes	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: N. S. S. 14th to 22nd Round.

TABLE 1.12

MONTHLY PER CAPITA EXPENDITURE IN KERALA BY ITEMS OF CONSUMPTION, +  
1961-62 TO 1964-65. Rs.

Item	1961-62	1963-64	1964-65	% change in 1964-65 over 1961-62
1	2	3	4	5
1. Foodgrains	7.57	7.30	8.60	13.61
2. Milk and milk products	0.81	0.70	0.68	(-) 16.05
3. Other Food items	5.35	5.34	6.60	23.36
4. Total Food items	13.73	13.34	15.88	15.66
5. Clothing	1.02	1.12	0.92	(-) 9.80
6. Fuel and light	1.44	1.45	1.32	(-) 8.33
7. Other non-food items	3.95	4.49	3.12	(-) 21.01
8. Total non food	6.41	7.06	5.36	(-) 16.38
9. Total consumption expenditure	20.14	20.40	21.24	5.46

+ N. S. S. Rounds 17, 18, & 19

TABLE 1.13

MONTHLY PER CAPITA EXPENDITURE IN KERALA BY ITEMS OF CONSUMPTION-RURAL, +  
1958-59 TO 1964-65 (in Rs)

Items of consumption	1958-59	1959-60	1960-61	1961-62	1963-64	1964-65	% change in 1964-65 over 1958-59
1	2	3	4	5	6	7	8
1. Food grains	5.87	6.18	6.63	7.58	7.27	8.57	46.00
2. Milk and milk products	0.41	0.52	0.62	0.76	0.62	0.61	48.78
3. Other food items	4.02	4.52	4.99	4.97	5.16	6.34	57.71
4. Total food	10.30	11.22	12.24	13.33	13.05	15.52	50.68
5. Clothing	0.95	0.73	0.87	0.88	1.06	0.87	(-) 8.42
6. Fuel and light	1.06	1.06	1.19	1.40	1.43	1.30	22.64
7. Other non-food items	3.19	3.43	3.91	3.51	4.15	2.85	(-) 10.66
8. Total non-food	5.20	5.22	5.97	5.79	6.64	5.02	(-) 3.46
9. Total consumer expenditure	15.50	16.44	18.21	19.10	19.69	20.54	32.52

+ N. S. S. Rounds 14 to 19.

**TABLE 1.14** ✓  
MONTHLY PER CAPITA EXPENDITURE IN KERALA BY ITEMS OF  
CONSUMPTION—URBAN, + 1958-59 TO 1964-65 (in Rs)

Items of consumption	1958-59	1959-60	1960-61	1961-62	1963-64	% change in 1964-65 over	
						1964-65	1958-59
1	2	3	4	5	6	7	8
1. Food grains	6.45	6.80	6.65	7.50	7.48	8.89	37.83
2. Milk and milk products	0.93	1.20	1.07	1.09	1.32	1.20	29.03
3. Other food items	6.58	7.31	7.15	7.52	6.66	7.53	14.44
4. Total food items	13.96	15.31	14.89	16.11	15.46	17.62	26.22
5. Clothing	0.72	1.08	1.22	1.80	1.58	1.16	61.11
6. Fuel and light	1.33	1.48	1.35	1.64	1.68	1.50	12.78
7. Other non-food items	4.45	4.46	5.66	6.45	6.92	5.74	28.99
8. Total non-food	6.50	7.02	8.23	9.89	10.16	8.40	29.23
9. Total consumer expenditure	20.46	22.33	23.12	26.00	25.62	26.02	27.17

+ N. S. S. Rounds 14 to 19.

**TABLE 1.15** ✓  
INDEX NUMBERS OF MONTHLY PER CAPITA EXPENDITURE IN KERALA BY  
ITEMS OF CONSUMPTION—URBAN + 1958-59 TO 1964-65.  
(Base 1958-59=100)

Items of consumption	1958-59		1960-61	1961-62	1963-64	1964-65
	1958-59	1959-60				
1	2	3	4	5	6	7
1. Foodgrains	100.00	105.43	113.10	116.28	115.97	137.83
2. Milk and milk products	100.00	129.03	115.05	117.20	141.93	129.03
3. Other Food items	100.00	111.09	108.66	114.29	101.22	114.44
4. Total Food items	100.00	109.67	106.66	115.40	110.74	126.22
5. Clothing	100.00	150.00	169.44	250.00	219.44	161.11
6. Fuel and light	100.00	111.28	101.50	123.30	126.32	112.78
7. Other non-food items	100.00	100.22	127.19	144.54	155.51	128.99
8. Total non food	100.00	108.00	126.62	152.15	156.31	129.23
9. Total consumer expenditure	100.00	109.14	113.00	127.08	125.22	127.17

+ N. S. S. Rounds 14 to 19.

TABLE 1.16

INDEX NUMBERS OF MONTHLY PER CAPITA EXPENDITURE IN KERALA BY  
ITEMS OF CONSUMPTION—RURAL +, 1958-59 to 1964-65  
(Base 1958-59=100)

Items of consumption	1958-59	1959-60	1960-61	1961-62	1963-64	1964-65
1	2	3	4	5	6	7
1. Food grains	100.00	105.28	112.95	129.13	123.85	146.00
2. Milk and milk products	100.00	126.83	151.22	185.37	151.22	148.78
3. Other food items	100.00	112.44	124.13	123.63	128.36	157.71
4. Total food	100.00	108.93	118.83	129.42	126.70	150.68
5. Clothing	100.00	76.84	91.68	92.63	111.58	91.58
6. Fuel and light	100.00	100.00	112.26	132.08	134.91	122.64
7. Other non-food items	100.00	107.52	122.57	110.03	130.09	89.34
8. Total non-food	100.00	100.38	114.81	111.35	127.69	96.54
9. Total consumer expenditure	100.00	106.06	117.48	123.23	127.03	132.52

+ N. S. S. Rounds 14 to 19.

TABLE 1.17

PER CAPITA MONTHLY CONSUMPTION OF RICE IN KERALA +1961-62 to 1964-1965  
(in Kgs)

Details	1961-62	1963-64	1964-65
1	2	3	4
Rural	9.28	9.86	7.03
Urban	9.27	10.47	6.62
State	9.28	9.99	6.96

+N. S. S. Rounds 17 to 19.

TABLE 1.18

Percentage distribution of total Consumer Expenditure+ among various items of consumption—Kerala, 1961-62 and 1963-64

Items	17th round NSS 1961-62			18th round NSS 1963-64		
	Rural	Urban	State	Rural	Urban	State
1. Cereals	33.72	25.42	32.13	32.25	26.54	31.38
2. Cereals & cereal substitutes	38.43	27.58	36.30	35.83	27.75	34.61
3. Pulses and products	1.26	1.27	1.29	1.12	1.43	1.17
4. Milk & Milk products	3.98	4.19	4.02	3.14	5.17	3.44
5. Other food items	26.02	28.92	26.56	26.18	25.99	26.16
6. Food total	69.69	61.96	68.17	66.27	60.34	65.38
7. Clothing	4.61	6.92	5.06	5.37	6.15	5.49
8. Fuel and light	7.33	6.31	7.15	7.23	6.49	7.12
9. Rent and taxes	0.62	3.73	1.25	0.44	3.77	0.94
10. Other non-food items	17.75	21.08	18.37	20.69	23.25	21.07
11. Non-food total	30.31	38.04	31.83	33.73	39.66	34.62
12. Total consumer expenditure	100.00	100.00	100.00	100.00	100.00	100.00

+ N. S. S. 17th and 18th rounds

TABLE 1.19

+ Movement of Consumption Expenditure, Consumer price and percapita Income in Kerala. 1958-59 to 1968-69

(Index Base: 1960-61 = 100)

Year	Consumption expenditure+				Consumer Price indices ++	Per capita income @	
	Rural		Urban			Rs.	Index
	Rs.	Index	Rs.	Index			
1	2	3	4	5	6	7	8
1958-59	15.50	85.1	20.46	88.5	91.3	...	...
1959-60	16.44	90.3	22.33	96.6	98.9	...	...
1960-61	18.21	100.0	23.12	100.0	100.0	265.06	100.0
1961-62	19.10	104.9	26.00	112.5	104.6	283.37	106.9
1962-63	N A	...	...	...	105.9	290.68	109.7
1963-64	19.69	108.13	25.62	110.8	109.6	304.06	+114.7
1964-65	20.54	112.80	26.02	112.5	122.5	361.42	136.5
1965-66	N A	...	N A	...	134.4	416.90	157.3
1966-67	N A	...	N A	...	147.3	446.57	157.3
1967-68	N A	...	N A	...	159.5	527.66	199.1
1968-69	N A	...	N A	...	171.3	525.96	198.4

+NSS Rounds 14 to 19

++State average for 12 centres excluding Kozhikode. Relates to calendar year i. e. 1958-59 calendar 1958 and in the like manner for the subsequent year @ current prices

TABLE 1.20

Table of food values of certain common vegetables per 100 gms. of edible portion

Sl. No.	Name of food stuff	Calorific value	Protein in g.	Fat in g.	Minerals in g	Vitamin A in IU	Thiamine in mg	Ribo flavin in mg.	Niacin in mg.	Vitamin C. mg.
1	2	3	4	5	6	7	8	9	10	11
1	Ladies finger	41	2.2	0.2	0.7	28	0.07	0.10	0.6	13
2	Brinjal	34	1.3	0.3	0.3	124	0.04	0.11	0.9	12
3	Cucumber	14	0.4	0.1	0.3	0	0.03	0.01	0.2	7
4	Ash gourd	15	0.4	0.1	0.3	0	0.06	0.01	0.4	1
5	Snake gourd	22	0.5	0.3	0.5	160	0.04	0.06	0.3	0
6	Bitter gourd	25	1.6	0.2	0.8	210	0.07	0.09	0.5	88
7	Cluster beans	56	3.7	0.2	1.4	316	0.09	0.09	0.6	47
8	Drum stick	26	2.5	0.1	2.0	184	0.05	0.07	0.2	120
9	Pumpkin	28	1.4	0.1	0.6	84	0.06	0.04	0.5	2
10	Bread fruit	79	1.5	0.2	0.9	15	0.04	0.07	...	21
11	Agathi leaves	93	8.4	1.4	3.1	9000	0.21	0.09	1.2	169
12	Amaranthus leaves	47	4.9	0.5	2.7	9200	0.03	0.10	1.0	99
13	Cabbage	33	1.8	0.1	0.6	2000	0.06	0.03	1.04	124
14	Cauli flower	39	3.5	0.4	1.0	51	0.04	1.10	1.0	56
15	Tomato green	27	1.9	0.1	0.6	320	0.07	0.01	0.4	31

TABLE 1.21

Table of food values of certain common fruits per 100 gms. of edible portion

1	2	3	4	5	6	7	8	9	10	11
1.	Banana	153	1.3	0.1	0.3	0	0.12	0.03	0.2	2
2.	Guva	66	1.5	0.2	0.8	0	0.03	0.03	0.3	212
3.	Jack fruit	84	1.9	0.1	0.8	292	0.03	0.13	0.4	7
4.	Mango, ripe	50	0.6	0.1	0.3	4.800	0.04	0.05	0.3	13
5.	Plantain	104	1.1	0.1	0.7	80	0.05	0.01	0.6	8
6.	Lemon	57	1.0	0.9	0.3	0	0.02	0.01	0.1	39
7.	Cashew fruit	48	0.2	0.1	0.2	39	0.02	0.05	0.4	180
8.	Orange	49	0.9	0.3	0.4	326	0.12	0.06	0.3	68
9.	Apple	56	0.3	0.1	0.3	0	0.12	0.03	0.2	2
10.	Water melon	17	0.1	0.2	0.2	0	0.02	0.04	0.1	1
11.	Papaya	40	0.5	0.1	0.4	1110	0.04	0.25	0.2	57
12.	Pine apple	50	0.6	0.1	0.5	30	0.20	0.12	0.1	39
13.	Passion fruit	93	0.9	0.1	0.7	90	0.07	0.14	1.6	25
14.	Tomato, ripe	21	1.0	0.1	0.5	585	0.12	0.06	0.4	27
15.	Dates	283	3.0	0.2	1.3	44	0.01	0.02	0.9	3

TABLE 1.22

## DAILY ALLOWANCE OF NUTRIENTS FOR INDIANS

(Recommended by the Nutrition Expert Group in 1968)

Group	Particulars	Net calories	1	2	3	4	5	
							Proteins (gm)	Calcium (gm)
						Iron (mg)	Retinol (ug) or	B-carotene (ug)
Man	Sedentary work	2,400	55a	0.4-0.5	20	750	3,000	
	Moderate work	2,800						
	Heavy work	3,000a						
Woman	Sedentary work	1,900	45a	0.4-0.5	30a	750	3,000	
	Moderate work	2,200						
	Heavy work	3,000						
	Pregnancy (Second half of pregnancy)	+300	+10a	1.0	40b	750	3,000	
Lactation (upto 1 year)	+700	+20a	30a		1,150	4,600		
Infants	0-6 months	120/kg.	2.3-1.8 kg. b	0.5-0.6a	1.0mg/kg	400	...	
	7-12 months	100/kg.				300	1,200	
Children	1 year	1,200	17	0.4-0.5	15-20	250	1,000	
	2 years		18					
	3 years		20					
	4-6 years	1,500	22	...	...	300	1,200	
	7-9 years	1,800	33	...	...	400	1,600	
	10-12 years	2,100	41	...	...	600	2,400	
Adolescents	13-15 years	Boys	2,500	55	0.6-0.7	25	750	3,000
		Girls	2,200					
	16-18 years	Boys	3,000	60	0.5-0.6	25	750	3,000
		Girls	2,200	50				



TABLE 1.22—(continued),

6	7	8	9	10	11	12
Thiamine (mg)	Riboflavin (mg)	Nicotinic acid (mg)	Ascorbic acid (mg)	Folic acid (ug)	Vitamin B12 (ug)	Vitamin D <sub>3</sub> (U.I.)
1.2	1.3	16	50	100	1	...
1.4	1.5	19				
2.0	2.2	26				
1.0	1.0	13	50	100	1	...
1.1	1.2	15				
1.5	1.7	20				
+0.2	+0.2	+2	50	150-300 <sub>a</sub>	1.5	...
+0.4	+0.4	+5	80	150		
...	...	...	30	25	0.2	...
0.6	0.7	8	...	...	...	...
0.8	0.8	10	...	...	...	...
0.9	1.0	12	...	...	...	...
1.0	1.2	14	30-50	50-100	0.5-1.0	...
1.3	1.4	17	...	...	...	...
1.1	1.2	14	...	...	...	20
1.5	1.7	21	...	...	...	...
1.1	1.2	14	...	...	...	...

Source: Monthly commentary on Indian Economic conditions, Annual Number, 1969, p. 145-146.

TABLE 1.23

Per capita per day availability of Calories and selected Nutrients  
in Kerala, 1968-69

Nutrients	Foodgrains		Other foodgrains		Total	
	Kerala	India	Kerala	India	Kerala	India
1	2	3	4	5	6	7
1. Calories (Nos.)	963	1572	265	315	1228	1887
2. Protiens (grms)	21.2	47.4	6.6	7.4	27.8	54.8
3. Iron (m. gm)	3.9	12.0	1.3	0.9	5.2	12.9
4. Vitamins A (I. U.)	38	370	739	518	777	888

Source: Monthly commentary Annual Number, 1969 p. 153

TABLE 1.24

Consumer price index numbers for important centers in Kerala, 1955 to 1971  
(Base: Aug 1939=100)

Sl. No.	Name of centres	1955	1956	1960	1965	1966	1967	1968	1969	1970	1971
0	1	2	3	4	5	6	7	8	9	10	11
1.	Trivandrum	350	389	456	605	675	728	791	829	861	871
2.	Quilon	351	384	455	637	686	731	787	812	847	849
3.	Punalur	343	387	458	598	644	698	752	794	831	836
4.	Alleppey	362	381	439	598	668	734	786	815	846	854
5.	Changanacherry	344	384	447	624	691	747	797	827	858	851
6.	Kottayam	345	375	443	625	689	750	810	835	868	872
7.	Alwaye	346	378	462	628	676	731	781	817	853	858
8.	Ernakulam	357	391	463	632	698	749	799	837	876	881
9.	Trichur	346	374	464	628	699	749	800	837	869	872
10.	Chalakydy	341	388	475	629	686	650	808	845	871	869
11.	Munnar	366	381	463	552	604	656	716	759	794	823
12.	Sherthalai	...	...	...	610	664	725	774	799	833	843
13.	Kozhikode +	...	438	471	665	736	793	855	901	945	956

+Base for Kozhikode is average prices for the year ended June 1936=100

Source: B. E.S., Kerala.

**TABLE 1.25**  
 consumer Price Index Numbers for Industrial Workers in Kerala  
 1965-66 to 1970-71  
 (Base 1960=100)

Year	Alwaye	Mundakayam
1	2	3
1965-66	145	138
1966-67	158	152
1967-68	183	173
1968-69	198	186
1969-70	197	191
1970-71	198	197

Source: Labour Bureau, Simla

**TABLE 1.26**  
 Consumer Price Index Numbers for Urban Non-manual Employees in  
 Kerala\* 1965-66 to 1970-71  
 Base 1960=100

Year	Index
1965-66	131
1966-67	146
1967-68	165
1968-69	168
1969-70	172
1970-71	178

\*Trivandrum Centre

Source: C. S. O.

TABLE 1.27

Index Numbers of Parity between prices received and Prices paid by Farmers  
in Kerala, 1953-54 to 1970-71

(Base 1952-53=100)

Sl. No.	Index of	1953-54	55-56	60-61	64-65	65-66	66-67	67-68	68-69	69-70	70-71
0	1	2	3	4	5	6	7	8	9	10	11
1.	Prices received	95	74	108	149	183	190	224	205	234	244
2.	Domestic Expenditure	96	91	119	150	163	178	193	204	214	217
3.	Farm cultivation cost	103	89	117	161	182	208	237	252	264	274
4.	Prices paid	99	90	118	156	172	193	214	227	238	243
5.	Parity	95	82	92	95	106	98	105	90	99	101

Source: B. E. S. Kerala.

TABLE 1.28

Index Numbers of Farm prices in Kerala by Selected Commodities,  
1954-55 to 1970-71

(Base 1956-57=100)

Year	Paddy	Coconut	Arecanut	Cashewnut	Tapioca	Banana	Ginger	Pepper
1954-55	80.21	91.7	91.0	98.0	47.8	97.6	177.4	177.4
55-56	79.44	89.4	85.9	109.9	54.5	95.5	177.7	140.5
56-57	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00
57-58	96.9	116.2	114.8	78.0	86.7	107.6	57.4	82.2
58-59	109.3	126.1	112.6	94.0	67.0	110.7	93.1	141.5
59-60	115.5	125.5	123.6	106.7	91.8	115.1	114.6	210.4
60-61	115.9	139.7	135.8	132.2	83.9	118.4	97.7	212.6
61-62	123.2	139.0	189.1	99.5	108.1	143.0	107.0	165.4
62-63	116.3	161.3	138.4	92.6	102.5	156.7	160.2	132.4
63-64	125.2	156.4	152.0	119.6	94.6	152.3	236.4	142.8
64-65	191.4	174.2	170.6	126.5	187.6	184.2	250.2	179.2
65-66	244.5	254.7	196.6	160.8	186.2	193.2	205.2	189.1
66-67	287.9	240.0	164.5	177.2	191.9	228.8	203.6	192.5
67-68	384.0	295.3	184.6	212.5	246.1	277.6	231.7	168.8
68-69	305.4	255.7	190.4	210.8	219.7	294.4	458.8	173.9
69-70	286.4	324.6	195.8	249.2	197.6	297.8	698.4	295.0
70-71	263.1	374.4	187.3	234.0	222.8	292.2	446.5	322.4

Source: B. E. S., Kerala

TABLE 1.29

Index Numbers of Wholesale Prices of Agricultural Commodities in Kerala  
Group wise, 1955 to 1971

(Base 1952-53=100)

Sl. No.	Group	1955	1956	1960	1965	1966	1967	1968	1969	1970	1971
1	2	3	4	5	6	7	8	9	10	11	12
1.	Rice	83	101	122	135	149	165	181	208	209	209
2.	Molasses	57	78	112	117	153	256	289	175	172	239
3.	Condiments and spices	94	103	137	178	158	179	179	212	234	171
4.	Fruits and Vegetables	64	90	89	154	167	185	214	195	217	208
5.	Food crops	81	99	119	145	154	167	190	205	213	203
6.	Oil seeds	82	88	140	230	244	272	273	263	369	303
7.	Plantation crops	107	101	111	114	130	118	123	133	141	138
8.	Non-food crops	90	92	132	195	209	226	228	223	300	253
9.	All crops	84	96	124	163	174	183	204	212	245	222

Source: B. E. S., Kerala

TABLE 1.30

Wholesale Price Relatives in Kerala—Commodity-wise 1955 to 1971

(Base 1952-53)

Sl. No.	Commodity	1955	1956	1960	1965	1966	1967	1968	1969	1970	1971
1	2	3	4	5	6	7	8	9	10	11	12
1.	Rice	83.0	100.9	122.4	135.4	148.7	153.4	181.4	207.6	208.4	208.8
2.	Molasses	56.8	78.0	116.6	117.0	152.9	255.6	289.0	175.2	172.4	239.3
3.	Pepper	31.9	23.8	49.4	37.6	37.7	34.0	32.9	43.6	62.6	62.0
4.	Ginger	233.1	154.8	110.3	220.7	186.4	188.5	290.3	555.0	681.0	290.1
5.	Turmeric	347.3	203.2	208.1	182.8	181.3	346.0	739.2	1173.4	997.7	307.9
6.	Areca nut	99.8	120.8	164.8	215.8	177.4	209.0	201.8	215.5	233.0	194.8
7.	Cardamom	108.5	112.4	120.3	180.4	251.4	239.1	228.1	336.0	381.9	171.1
8.	Banana	95.9	96.1	124.9	185.6	209.7	238.6	264.9	283.1	276.4	282.6
9.	Gingelly	69.9	107.7	126.6	191.6	239.8	252.4	209.8	275.6	293.3	303.0
10.	Ground nut	65.8	95.4	120.4	181.1	256.4	280.0	226.5	287.2	350.1	281.9
11.	Cashewnut	89.8	101.6	92.0	125.7	167.2	177.7	220.9	200.9	231.0	203.8
12.	Lemongrass oil	171.6	163.2	77.8	113.5	181.7	225.0	351.1	486.7	412.9	284.7
13.	Tapioca	31.3	77.6	140.4	177.1	158.5	181.0	217.6	171.6	189.3	196.7
14.	Cocanut	81.3	86.8	169.8	232.1	244.5	273.3	272.9	258.5	369.7	295.4
15.	Tea	109.7	96.2	110.6	109.7	103.1	107.5	107.2	106.3	116.3	116.3
16.	Coffee	96.2	92.0	105.5	131.9	147.7	149.3	161.4	172.5	220.9	221.8
17.	Rubber	107.5	114.2	116.1	113.7	182.6	125.5	140.7	175.0	156.1	144.2

Source: B. E. S., Kerala

TABLE 2.1

Indicators of Agricultural Development in Kerala (Percentage Change in area, Inputs, Production and Price), 1960-61 to 1970-71.

Details	1960-61 (over 55-56)	1964-65 (over 60-61)	1965-66 (over 64-65)	1970-71 (over 64-65)	1970-71 (over 55-56)
(1)	(2)	(3)	(4)	(5)	(6)
<b>I LAND</b>					
1. Net area sown	+ 5.1	+5.9	+1.3	+6.6	+18.6
2. Area sown more than once	+22.5	+6.4	+7.6	+68.2	+119.2
3. Total cropped area	+ 7.8	+6.0	+2.5	+17.8	+34.6
4. Area under food grains	+ 2.4	+2.6	+0.1	+ 8.0	+13.5
5. Area under paddy	+ 2.6	+2.9	+0.2	+ 9.2	+15.2
<b>II INPUTS</b>					
1. Area irrigated	+30.6	+8.3	+ 3.0	+21.7	+72.1
2. Average annual rainfall (% change over normal rainfall)	+25.0	+6.1	(-)26.0	+ 2.0	(-)
3. Average annual rainfall	+38.8	(-) 15.1	(-)30.3	(-) 3.9	+ 13.2
4. Fertilizer consumption	+212.3	+ 234.7	+54.8	+104.9	+2042.1
<b>III AGRICULTURAL PRODUCTION</b>					
1. Total agricultural pro- duction (all crops)	+13.6	+7.0	(-) 0.6	+25.3	+52.3
2. Production of food grains	+19.4	+5.0	(-)10.9	+15.1	+44.4
3. Production of paddy	+20.7	+5.1	(-)11.0	+15.8	+46.8
4. Agricultural Producti- vity (all crops)	+ 3.3	+4.6	(-) 3.2	+ 4.8	+13.2
5. Productivity-food grains	+22.9	+2.4	(-)10.9	+ 6.4	+33.9
6. Productivity-paddy	+17.8	+2.2	(-)11.2	+ 6.0	+27.6
<b>IV PRICE</b>					
1. Wholesale price (all Agricultural commodities)	+31.3	+29.4	+ 6.7	+36.2	+131.3
2. Wholesale price-rice	+29.7	+ 3.1	+10.4	+54.8	+106.9
3. Prices received by farmers	+45.9	+38.0	+22.8	+63.8	+229.7
4. Prices paid by farmers	+31.1	+32.2	+10.3	+55.8	+170.0
5. Farm cultivation cost	+31.5	+37.6	+13.0	+70.2	+207.8

TABLE 2.2

Pattern of Land Utilisation in Kerala, 1952-53 to 1970-71

(in Hectares)

Head of Classification.	1952-53		1955-59		1960-61	
	Area	Percentage.	Area	Percentage	Area	Percentage
1	2	3	4	5	6	7
Total geographical area according to village papers	3808861	100.00	3808861	100.00	3858523	100.00
Forests	947251	24.87	1007624	26.46	1056143	27.37
Land put to non-agricultural use	205011	5.38	204971	5.38	204644	5.30
Barren and uncultivable land	214849	5.64	204328	5.36	151344	3.92
Permanent pastures and other grazing land	55722	1.46	47080	1.24	45232	1.17
Land under miscellaneous tree crops	186322	4.89	197011	5.17	204363	5.30
Cultivable waste	181578	4.77	151602	3.98	143409	3.72
Current fallow	44010	1.66	56552	1.48	67124	1.74
Other fallows	197259	5.18	108524	2.85	62542	1.62
Net area shown	1776859	46.65	1831169	48.08	1923722	49.86
Total cropped area	2089108	54.85	2178310	57.19	2348856	60.87
Area sown more than once	312249	8.20	347141	9.11	425134	11.02

TABLE 2.2—(Continued)

1	1965-66		1966-67		1970-71	
	Area	Percentage.	Area	Percentage.	Area	Percentage.
	8	9	10	11	12	13
Total geographical area according to village papers	3858523	100.00	3858523	100.00	3858523	100.00
Forests	1055076	27.34	1055832	27.36	1054864	27.34
Land put to non-agricultural uses	228230	5.91	235321	6.10	274525	7.11
Barren and uncultivable land	109925	2.85	100437	2.60	71646	1.86
Permanent pastures and other grazing land	27800	0.72	27800	0.72	27800	0.72
Land under miscellaneous tree crops	200005	5.18	181842	4.71	132176	3.43
Cultivable waste	107950	2.80	105651	2.74	79519	2.06
Current fallow	33220	0.90	26446	0.69	23633	0.61
Other fallows	31980	0.86	33965	0.88	22678	0.59
Net area sown	2064337	53.46	2091229	54.20	2771682	56.28
Total cropped area	2551344	66.12	2621971	67.95	2932543	76.00
Area sown more than once	487007	12.62	530742	13.75	760861	19.72



TABLE 2.3

Percentage distribution of wet land holdings in Kerala according to size, 1963-64

Size of holdings (area in acres.)	Virippu		Mundakan		Punja	
	Number	Area	Number	Area	Number	Area
(1)	(2)	(3)	(4)	(5)	(6)	(7)
Less than 1.00	54.85	17.42	51.71	16.97	60.85	14.67
1.00 - 2.00	21.84	20.43	24.68	24.31	21.13	15.21
2.00 - 3.00	9.18	13.28	10.17	14.72	3.52	3.95
3.00 - 5.00	8.88	21.77	8.89	21.06	5.48	11.08
5.00 - 10.00	4.34	18.70	3.72	15.84	4.59	15.67
10.00 - 15.00	0.73	5.49	0.79	6.27	1.89	12.04
15.00 and above	0.17	2.91	0.03	0.82	2.52	27.38
<b>TOTAL</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>	<b>100.00</b>

Source: N. S. S. 16th Round.

TABLE 2.4

Distribution of operational holdings in Kerala according to size, 1966-67

Size of operational holdings (Acres)	Number of holdings		Total area		Average area per holding (acres)
	in '000	Percentage to total	in '000 acres	Percentage to total	
(1)	(2)	(3)	(4)	(5)	(6)
Less than 1.00	1480.0	59.7	560.7	12.4	0.38
1.00 - 2.50	547.6	22.1	843.2	18.7	1.54
2.50 - 5.00	230.2	10.1	886.7	19.6	3.57
5.00 - 10.00	138.7	5.6	957.7	21.2	6.90
10.00 - 15.00	37.1	1.5	446.9	9.9	12.04
15.00 - 20.00	9.1	0.4	151.0	3.3	16.68
20.00 - 25.00	5.0	0.2	110.3	2.5	22.28
25.00 and above	11.4	0.4	559.5	12.4	48.94
<b>TOTAL</b>	<b>2479.1</b>	<b>100.00</b>	<b>4516.0</b>	<b>100.0</b>	<b>1.82</b>

Fact Book on Agriculture, 1970.

X TABLE 2.5

Percentage Distribution of Persons Actually engaged in Agriculture  
in Kerala by size of Holdings, 1966-67

Size of operational holdings (acres)	No. of persons actually engaged in agriculture (%)	Total area of holdings (%)	Average area per person (in acres)
Below 1 — 00	22.62	12.41	2.76
1.00 — 2.50	28.79	18.67	3.26
2.50 — 5.00	23.29	19.63	4.28
5.00 — 10.00	16.46	21.20	6.47
10.00 — 15.00	5.30	9.89	9.37
15.00 — 20.00	0.97	3.34	13.23
20.00 — 25.00	0.51	2.44	23.98
25.00 and above	1.99	12.39	31.26
<b>Total</b>	<b>100.00</b>	<b>100.00</b>	<b>5.08</b>

TABLE 2.6

PERCENTAGE DISTRIBUTION OF OPERATIONAL LAND HOLDINGS IN KERALA BY DISTRICTS, 1966-67

Percentage distribution of Operational Holdings

Size of operational holdings (acres)	Percentage distribution of Operational Holdings																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	
	Trivandrum	Quilon	Alleppey	Kottayam	Ernakulam	Trichur	Palghat	Kozhikode	Cannanore	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	No. of hold- ing	
Less than 1.00	66.6	57.4	15.0	72.9	22.0	46.3	5.4	66.1	13.8	59.2	8.3	63.3	12.5	60.3	20.2	42.2	5.6			
1.00 to 2.50	22.6	28.0	26.8	25.7	16.6	22.8	23.2	12.3	15.4	16.2	11.4	18.4	16.3	25.8	28.4	29.5	15.1			
2.50 - 5.00	6.1	18.9	8.7	21.8	8.9	28.1	11.8	12.2	9.2	11.9	18.7	9.3	18.0	11.1	27.0	14.7	17.7			
5.00-10.00	3.5	19.2	5.9	28.5	1.0	6.9	12.0	25.6	7.5	8.3	24.4	5.8	22.7	1.9	9.2	8.4	19.1			
10.00-15.00	1.2	11.6	1.2	8.1	0.2	1.7	3.5	13.7	1.1	2.0	9.7	2.2	15.0	0.4	3.4	2.9	11.6			
15.00-20.00	..	0.4	..	0.3	0.1	1.1	1.1	5.5	0.3	0.9	6.9	0.3	2.9	0.2	2.5	0.8	4.4			
20.00-25.00	..	..	..	..	0.1	2.2	0.1	0.5	0.1	0.8	8.3	0.2	2.3	0.2	2.8	0.6	4.3			
25 & above	..	0.6	..	0.6	0.2	15.2	2.0	24.8	0.3	0.7	12.3	0.5	10.3	0.1	6.5	0.9	22.2			
Total	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	100.0	

Reference year-1966-67

TABLE 2.7  
 AVERAGE SIZE OF OPERATIONAL HOLDINGS IN KERALA BY DISTRICTS  
 (For each Size group), 1966-67

Size of operational holdings (acres)	Average area per holding (acres)										
	1	2	3	4	5	6	7	8	9	10	11
	Trivandrum	Quilon	Alleppey	Kottayam	Ernakulam	Trichur	Palghat	Kozhikode	Cannanore	STATE	
Less than 1.00	0.39	0.39	0.36	0.38	0.34	0.32	0.35	0.44	0.40	0.38	
1.00 - 2.50	1.50	1.42	1.61	1.71	1.59	1.60	1.53	1.48	1.57	1.54	
2.50 - 5.00	3.77	3.71	3.72	3.36	3.66	3.56	3.44	3.28	3.68	3.57	
5.00 - 10.00	6.60	7.23	7.63	6.90	6.83	6.69	6.88	6.53	7.02	6.90	
10.00 - 15.00	12.07	10.41	12.50	12.8	13.10	11.25	11.93	12.67	12.04	12.04	
15.00 - 20.00	11.00	16.00	17.00	16.3	15.60	16.94	12.94	17.38	16.19	16.68	
20.00 - 25.00	..	..	21.67	16.5	19.50	23.33	21.67	21.86	20.81	22.28	
25 and above	20.00	32.00	91.20	39.6	29.14	43.08	36.88	60.33	74.40	48.94	
Total	1.21	1.48	1.17	3.25	1.62	2.27	1.77	1.35	3.06	1.82	

Reference year 1966-67

SOURCE: LAND REFORMS SURVEY: KERALA 1966-67 published.

**TABLE 2.8**  
**INDEX NUMBERS OF AREA UNDER CROPS IN KERALA, 1952-53 TO 1970-71**  
 (Base: 1956 57=100)

Name of crops	52-53	55-56	60-61	64-65	65-56	66-67	67-68	68-69	69-70	70-71
1	2	3	4	5	6	7	8	9	10	11
<b>ALL CROPS</b>	94.4	98.8	108.6	111.2	114.1	117.4	122.9	129.2	131.7	132.9
<b>A. Food grains</b>	94.8	99.2	100.9	103.5	103.6	103.5	104.4	112.2	122.2	112.0
1. Cereals	97.2	99.6	102.0	104.8	104.9	104.5	105.9	114.3	114.4	114.5
Paddy	97.3	99.6	102.0	104.9	105.1	104.7	106.1	114.5	114.5	114.6
Jowar	62.9	94.9	75.0	67.3	62.9	63.4	62.9	62.9	77.1	77.1
Ragi	92.2	94.5	111.9	104.2	102.4	102.6	102.2	100.2	101.2	101.0
2. Pulses	72.4	93.1	91.9	90.8	90.3	90.8	88.9	89.8	88.4	82.6
<b>B. Non-food grain</b>	93.4	98.4	114.4	116.9	121.8	127.8	136.4	141.6	145.8	147.8
1. Oil seeds	93.4	97.4	108.9	113.0	118.2	122.2	127.5	136.3	140.4	142.7
Coconut	93.6	97.4	108.9	114.1	120.4	125.2	131.2	140.9	145.4	147.7
Groundnut	88.8	98.8	119.9	108.6	113.8	102.9	102.6	98.2	98.2	110.0
Sesamum	93.8	101.7	61.0	60.6	60.3	60.9	56.3	60.5	59.6	59.6
Lemongrass oil	89.8	89.8	154.9	144.8	144.8	144.8	144.8	144.8	144.8	144.8
2. Fibres	70.5	96.5	108.1	95.8	78.8	73.0	73.0	69.4	69.4	79.9
Cotton	70.5	96.5	108.1	95.8	78.8	73.0	73.0	69.4	69.4	79.9
3. Plantation crops	83.7	86.7	129.7	152.1	155.4	159.4	167.1	174.0	177.1	181.5
Tea	99.5	100.0	95.0	99.3	100.1	100.9	99.6	105.9	98.6	96.7
Coffee	84.4	95.7	115.5	149.4	162.2	172.9	182.1	190.5	198.7	217.2
Kubber	76.0	78.7	149.3	178.5	181.7	186.2	197.7	204.4	212.6	217.5

P. Provisional.

*(to be prepared later 13/5/76)*

TABLE 2.8—Contd.

Name of Crops	P										
	52-53	55-56	60-61	64-65	65-66	66-67	67-68	68-69	69-70	70-71	
	2	3	4	5	6	7	8	9	10	11	
4. Miscellaneous crops	96.8	103.1	116.4	111.55	117.1	126.0	139.1	139.9	144.9	145.9	
Sugarcane	83.8	94.1	118.0	122.7	118.7	113.2	103.7	102.1	100.8	99.0	
Pepper	90.6	99.4	114.7	114.4	114.5	114.5	114.5	113.5	113.5	130.0	
Cardamom	90.7	99.7	100.3	100.6	165.0	165.0	165.0	165.0	165.0	165.0	
Ginger	138.9	103.2	118.4	118.0	116.7	116.2	116.2	112.5	113.5	119.9	
Tumeric	96.4	97.3	99.8	98.7	95.4	95.0	95.0	93.5	92.8	92.0	
Arecanut	103.3	100.0	109.3	125.1	135.6	149.8	160.0	170.9	176.2	180.8	
Cashewnut	94.7	100.2	145.2	147.2	149.6	155.1	162.7	164.5	169.6	176.0	
Tobacco	105.1	114.8	149.2	141.1	141.4	141.4	139.4	133.4	123.5	153.3	
Tapioca	98.2	106.5	116.1	100.3	110.0	117.2	142.6	142.2	141.6	140.6	
Banana	74.1	112.4	102.2	109.4	108.4	94.0	89.0	89.8	89.8	89.8	

**TABLE 2.9**  
**INDEX NUMBERS OF AGRICULTURAL PRODUCTION IN KERALA, 1952-53 TO 1970-71**  
 (Base: 1956-57 = 100)

Name of crops	52-53	55-56	60-61	64-65	65-66	66-67	67-68	68-69	69-70	70-71
1	2	3	4	5	6	7	8	9	10	11
All Crops	89.3	98.7	112.1	120.0	119.3	127.2	134.7	143.1	146.4	150.3
Food grains	81.3	100.3	119.8	125.8	112.1	121.6	126.0	140.1	137.4	144.8
Cereals	81.4	100.4	120.1	126.1	112.3	122.0	126.4	140.6	137.9	145.5
Paddy	81.4	99.6	120.2	126.3	112.4	122.2	126.7	141.0	138.2	146.2
Jowar	50.7	94.7	72.7	63.4	51.1	51.1	51.1	51.1	62.4	95.3
Ragi	81.4	91.3	117.6	109.6	104.1	104.5	103.7	103.8	111.0	71.7
Pulses	73.1	94.1	93.9	91.3	90.5	91.4	89.7	89.8	85.5	74.9
Non-Food grains	92.6	98.1	108.9	117.6	122.3	129.5	138.3	144.3	150.1	152.6
Oil Seeds	93.2	97.2	102.3	104.7	105.5	109.3	112.1	119.7	122.8	123.3
Coconut	93.4	97.4	102.5	104.3	104.8	109.0	114.3	122.0	125.9	126.7
Groundnut	87.6	91.0	86.8	137.3	158.6	148.4	155.2	151.2	121.7	101.3
Sesamum	91.7	100.2	40.1	37.2	36.7	37.3	40.9	61.6	59.8	60.8
Lemongrass Oil	89.8	89.8	168.4	157.7	157.7	157.7	157.7	137.7	157.7	157.7
Fibres	70.2	95.6	106.1	93.5	69.3	64.3	64.3	55.4	50.4	50.4
Cotton	70.2	95.5	106.1	98.5	69.3	64.3	64.3	55.4	50.4	50.4
Plantation crops	86.4	90.9	112.3	141.1	150.1	159.3	171.1	183.0	188.9	195.2
Tea	87.1	87.5	116.3	121.1	121.1	127.0	124.3	128.9	125.8	119.4
Coffee	76.1	93.1	110.3	144.2	147.1	156.5	170.6	178.3	185.6	202.1
Rubber	89.1	97.8	106.4	185.0	216.8	233.3	277.2	307.1	155.3	363.8
Miscellaneous crops	95.8	103.7	114.6	119.2	126.5	136.5	150.9	151.5	160.7	163.5

TABLE 2.9—(Continued)

Name of crops	52-53	55-56	60-61	64-65	65-66	66-67	67-68	68-69	69-70	70-71
1	2	3	4	5	6	7	8	9	10	11
Sugarcane	82.3	94.9	106.4	123.0	114.4	153.4	139.6	140.6	140.2	105.3
Pepper	83.0	101.6	99.2	81.6	79.6	78.6	77.3	75.1	89.7	92.0
Cardamom	88.6	99.8	100.2	100.4	100.4	100.4	100.4	66.1	66.7	77.9
Ginger	93.5	102.2	103.6	104.1	102.9	101.6	102.2	99.6	110.3	180.9
Turmeric	120.5	121.6	99.7	93.2	89.8	89.6	88.9	87.0	85.3	127.3
Arecanut	103.3	100.0	116.9	135.0	146.1	161.3	173.2	185.5	182.2	183.3
Banana	74.1	112.4	102.2	122.4	121.3	115.8	125.6	131.0	135.8	123.7
Cashewnut	94.4	100.2	144.2	164.4	167.0	173.2	181.7	183.7	189.4	196.6
Tobacco	105.2	114.9	150.4	137.4	136.0	136.5	134.5	136.5	125.9	24.5
Tapioca	98.2	108.3	116.4	110.5	183.8	136.3	167.8	163.1	186.4	184.5

P — Provisional



TABLE 2. 10  
INDEX NUMBERS OF AGRICULTURAL PRODUCTIVITY IN KARALA, 1952-53 To 1970-71  
(Base 1956-57-100)

Name of crops	52-53	55-56	60-61	64-65	65-66	66-67	67-68	68-69	69-70	70-71
1	2	3	4	5	6	7	8	9	10	11
All Crops	94.6	99.9	103.2	107.9	104.5	108.3	109.6	110.8	111.2	113.1
Food grains	85.8	96.6	118.7	121.5	108.2	117.7	120.7	124.9	122.5	129.3
Cereals	83.7	100.8	117.7	120.3	107.1	116.7	119.4	123.0	120.5	127.1
Paddy	83.7	100.0	117.8	120.4	106.9	116.7	119.4	123.1	120.7	127.6
Jowar	80.6	99.8	96.9	94.2	81.2	80.6	81.2	81.2	80.9	123.6
Ragi	88.3	96.3	105.1	105.2	101.7	101.9	101.5	103.6	109.7	71.0
Pulses	101.0	101.1	102.2	100.6	100.2	100.7	100.9	100.0	96.7	90.7
Non food grains	99.1	99.7	95.2	100.6	100.4	101.3	101.4	101.9	102.9	103.2
Oil seeds	99.8	99.8	93.9	92.7	89.3	89.4	87.9	87.8	87.5	86.4
Coconut	99.8	100.0	94.1	91.4	87.0	87.1	87.1	86.6	86.6	85.8
Groundnut	98.6	92.1	72.4	126.4	139.4	144.2	151.3	154.0	123.9	91.3
Sesamum	97.8	98.5	65.7	61.4	60.9	61.2	72.6	101.8	100.3	102.0
Lemongrass	100.0	100.0	108.8	108.9	108.9	108.9	108.9	108.9	108.9	108.9
Fibers	99.6	99.1	98.1	102.8	87.9	88.1	88.1	79.8	72.6	63.1
Cotton	99.6	99.1	98.1	102.8	87.9	88.1	88.1	79.8	72.6	63.1
Plantation Crops	103.2	104.8	87.0	92.8	96.6	99.9	102.5	105.2	106.7	107.5
Tea	87.5	87.5	122.4	122.0	121.0	125.9	124.8	121.7	117.4	123.5
Coffee	90.2	97.3	95.5	96.5	90.7	90.5	93.7	93.7	93.4	92.5
Rubber	117.2	124.3	71.3	103.6	119.3	125.3	140.2	150.2	196.1	167.3
Miscellaneous Crops	99.0	100.6	98.4	106.9	108.0	108.3	108.5	108.3	110.9	112.1

TABLE 2.10 — (Continued)

Sugarcane	98.2	100.9	90.2	100.2	96.4	135.5	134.6	137.7	139.1	106.4
Pepper	91.6	102.2	86.5	71.3	69.5	68.6	67.5	66.2	66.2	70.8
Cardamom	97.7	100.1	99.9	99.8	99.8	60.8	60.8	40.1	40.4	47.2
Ginger	67.3	99.0	87.5	88.2	88.2	87.5	88.0	88.5	81.7	150.9
Turmeric	125.0	125.0	99.9	94.4	94.1	94.3	93.0	93.0	91.9	138.4
Arecanut	100.0	100.0	106.9	107.9	107.7	107.7	108.3	108.5	103.4	101.4
Cashewnut	99.7	100.0	99.3	111.7	111.6	111.7	111.7	111.7	111.7	111.7
Tobacco	100.1	100.1	100.8	97.2	96.2	97.2	96.5	101.9	101.7	158.8
Tapioca	100.0	101.7	100.3	110.2	112.5	116.3	117.7	114.7	131.6	131.2
Banana	100.0	100.0	100.0	111.9	111.9	123.2	139.9	145.9	151.2	137.8

• P. Provisional.

TABLE 2.11

Percentage Change in Productivity of Important Crops in Kerala by Districts 1960-61—1970-71

Name of crop	Trivandrum	Quilon	Alleppey	Kottayam	Ernakulam	Trichur	Palghat	Kozhikode	Cannanore	Kerala
1	2	3	4	5	6	7	8	9	10	11
<b>Food crops</b>										
1. Rice	- 5.05	+ 2.40	+12.00	+ 6.74	+ 0.51	+14.91	+ 8.60	- 3.80	+26.11	+ 8.24
2. Jowar	...	...	...	...	...	...	+28.31	...	...	+26.83
3. Ragi	...	+39.27	...	...	-31.90	-20.62	-55.34	-60.57	- 7.38	-32.48
4. Other cereals & millets	...	...	...	...	...	...	+18.15	...	...	-11.06
5. Pulses	+ 1.31	-16.63	+12.09	-42.71	+31.95	- 2.61	-27.49	-50.11	+36.44	-11.06
6. Sugarcane	...	- 3.32	+ 5.56	+29.07	+19.53	...	+95.41	...	-17.03	+18.08
7. Pepper	-14.39	+ 3.81	-24.88	-22.76	-32.60	+85.68	-32.18	-31.58	-23.50	-21.40
8. Chillies	...	...	...	...	...	...	...	...	...	...
9. Ginger	...	+21.16	...	+104.25	+74.41	-57.92	+67.88	+54.91	82.62	+72.39
10. Turmeric	...	...	...	+ 2.12	+74.89	...	+47.16	+47.99	+161.34	+38.35
11. Cardamom	...	...	...	- 48.89	+17.39	...	+40.91	+24.44	+27.27	-42.22
12. Aracanut	+8.93	+41.32	+ 9.18	- 29.70	-15.33	+ 4.25	- 9.84	-87.06	-12.30	+ 4.09
13. Banana and other plantain	+3.11	+ 6.30	+ 2.77	+ 3.15	+ 4.98	+ 4.49	+ 2.46	+ 0.95	+ 1.65	+ 2.53
14. Cashewnut	-27.98	-27.98	-28.03	- 27.98	-27.98	- 27.98	-27.98	-28.03	-27.98	-27.98
15. Tapioca	+71.37	+160.85	+156.40	+167.63	+121.01	+110.62	+46.47	+135.83	+84.03	+126.35





TABLE 2.14

Percentage Variation of Average Yield of Rice per Hectare in the Districts  
of Kerala over the State Average 1960-1961 to 1970-71

(State average=100)

District	1960-61	1964-65	1965-66	1970-71
1	1	3	4	5
STATE	100.00	100.00	100.00	100.00
Trivandrum	111.7	97.9	110.5	97.0
Quilon	109.4	91.4	101.4	103.5
Alleppey	110.6	102.9	91.3	114.4
Kottayam	116.9	96.3	74.9	115.3
Ernakulam	100.1	86.4	90.0	92.9
Trichur	90.0	94.3	90.5	95.5
Palghat	116.2	126.1	132.0	116.6
Kozhikode	78.8	80.2	78.8	70.0
Cannanore	77.1	91.3	91.9	89.8

TABLE 2.15  
INDEX NUMBERS OF AREA UNDER RICE BY DISTRICTS 1960-61 TO 1970-71  
(Base: 1960-61=100)

District	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
1	2	3	4	5	6	7	8	9	10	11	12
Trivandrum	100.00	97.29	102.95	103.64	103.14	103.50	104.30	105.77	106.78	105.51	105.53
Quilon	100.00	97.49	107.68	107.49	107.20	107.56	108.47	109.17	112.22	112.43	112.43
Alleppy	100.00	95.84	103.62*	103.64	103.13	102.74	102.09	102.87	109.17	107.32	107.22
Kottayam	100.00	96.84	102.02	101.81	102.02	101.41	99.41	102.60	124.81	125.30	125.18
Ernakulam	100.00	95.13	107.24	107.21	106.54	107.08	107.99 <sup>a</sup>	110.32	120.59	120.21	120.21
Trichur	100.00	91.42	105.89	106.16	105.27	106.47	106.50	106.62	111.91	110.87	112.79
Palghat	100.00	99.52	101.20	101.42	101.32	101.56	101.41	102.52	110.01	110.00	95.05[ <sup>a</sup> ]
Kozhikode	100.00	97.34	102.89	102.70	101.59	101.92	100.63	102.94	118.53	120.59	60.20[ <sup>a</sup> ]
Cannanore	100.00	96.50	98.02	99.95	99.42	98.39	96.96	97.77	101.95	102.99	103.03
STATE	100.00	96.57	102.98	103.29	102.78	102.94	102.57	103.86	112.12	112.14	112.24

<sup>a</sup>Year ending 30th June.

(e) Malappuram district was carved out of the Kozhikode and Palghat districts and hence the decline in the area and production of rice in these districts. Area under rice in Malappuram during 1970-71 was 92897 hectare.

**TABLE 2.16**  
**INDEX NUMBERS OF PRODUCTION OF RICE IN KERALA BY**  
**DISTRICTS 1960-61 TO 1970-71**  
 (Base: 1960-61=100)

District	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
I	2	3	4	5	6	7	8	9	10	11	12
Trivandrum	100.00	93.95	98.20	98.71	92.48	92.85	88.61	99.24	98.98	99.41	99.29
Quilon	100.00	97.62	102.06	100.04	91.51	90.35	97.72	109.43	116.23	97.21	115.07
Alleppey	100.00	95.95	95.48	93.17	98.14	76.94	89.97	100.94	107.08	110.13	120.19
Kottayam	100.00	92.13	92.45	91.93	85.95	58.91	84.05	77.72	123.42	113.75	133.60
Ernakulam	100.00	90.27	100.20	103.10	94.02	84.40	96.25	106.35	118.28	102.21	120.93
Trichur	100.00	82.15	111.94	116.93	112.73	97.07	108.88	115.11	114.82	116.09	129.56
Palghat	100.00	96.57	97.57	108.74	112.40	104.62	111.43	109.02	122.03	122.37	104.26 <sup>a</sup>
Kozhikode	100.00	101.54	120.02	104.27	105.79	92.43	95.43	97.60	115.60	111.69	57.93 <sup>a</sup>
Cannanore	100.00	92.93	104.10	117.75	120.46	106.98	109.29	112.39	125.27	134.77	130.11
STATE	100.00	94.04	102.40	105.66	105.04	93.43	101.54	105.28	117.21	114.88	121.58

\*Year ending 30th June.

(a) Malappuram District was carved out of the Kozhikode and Palghat Districts and hence the decline in the area and production of rice in these districts. Production of rice in Malappuram during 1970-71 was 120480 tonnes.



TABLE 2.17

INDEX NUMBERS OF AVERAGE YIELD OF RICE PER HECTARE IN KARALA  
BY DISTRICTS 1960-61 to 1970-71

(Base 1960-61-100)

District	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
1	2	3	4	5	6	7	8	9	10	11	12
Trivandrum	100.00	96.54	95.37	95.24	89.62	89.68	84.92	93.80	92.69	94.32	94.06
Quilon	100.00	100.21	94.87	93.14	85.40	84.07	90.14	100.27	103.61	86.54	102.41
Alleppey	100.00	100.13	92.15*	89.90	95.11	74.86	88.45	98.08	98.02	102.57	112.00
Kottayam	100.00	95.19	90.64	90.33	84.21	58.08	84.52	75.73	98.87	90.76	106.73
Eranakulam	100.00	94.83	93.37	96.14	88.20	81.56	89.01	96.29	98.04	84.99	100.52
Trichur	100.00	89.86	105.74	110.20	107.04	91.16	102.26	107.93	102.58	104.69	114.90
Palghat	100.00	97.04	96.41	107.21	110.91	103.01	109.85	106.33	110.91	111.23	108.59
Kozhikode	100.00	104.26	116.66	101.48	104.07	90.65	94.81	94.72	98.61	92.59	96.20
Cannanore	100.00	96.21	106.14	117.68	120.99	108.03	112.57	114.84	122.79	130.74	126.10
STATE	100.00	97.29	99.33	102.17	102.17	90.65	98.89	101.23	104.44	102.32	108.23

† Year ending 30th June

**TABLE 2.18**  
**FERTILISER RECOMMENDATIONS FOR FIELD CROPS IN KERALA**

Crop & Variety	Region/District soil type	Main manuring seasons (Period)	Bulky or ganic manure recommended if any q/ha	N	P2O5	K2O	Fertiliser mixture to be applied at planting	Grade	Remark
<b>KERALA</b>									
Paddy									
1. High yielding varieties	All regions & soil types			90	45	45	750 500+45kg of N/hectare as top dressing	12-6-6 or 9-9-9	
2. Local varieties	Kuttanad area			33	33	33	366.3	9-9-9	
3. C 25	Palghat area			66	33	33	550, 366.3+33 kg. of N/Hectare as top dressing	12-6-6 or 9-9-9	
4. Cherady	All regions & soil types			66	33	33	-do-	-do-	
Coconut	General (per tree)	1/3 between May & June & 2/3 between Sept. & October.		0.5	0.32	1.20	(per tree)	7-5-15	
	For reclaimed soils (per tree)	-do-		0.5	0.4	1.20			
	Dressing affected areas (per tree)	-do-		0.5	0.32	1.20			
			With 0.5 kg. of Mg SO 47 H2O						7-5-15* excess superphosphate Mgo

(Continued)

Kerala (concluded)						
Arecanuts	All regions & soil types	55	27.5	110		8-4-16
Banana						
a. Local varieties (Non-irrigated conditions per plant)	50% two months after planting balance 4 months after planting	0.125	0.125	0.25		8-8-16
b. Nandran & improved varieties (per plant)	-do-					
c. For long duration & special varieties (per plant)	-do-					
Pineapple		0.20	0.20	0.40		8-8-16
Ginger		110	55	220	1375	8-4-16
Pepper (Per Standard)		55	55	110	687.5	8-8-16
Sugarcane		0.1	0.14	0.07		7-10-16
	Pandalam area	165	82.5	82.5	1375	12-6-6
	Palghat area	198	66	66	1320	15-5-5
Groundnut		11	33	33	366.3	3-9-9
Gingelly		33	16.5	33	275	12-6-12
Short duration		33	33	33	366.3	9-9-9
Long duration		88	88	176	1100	8-8-16

Source: Fertilizer Statistics 1970-71.

TABLE 2.19

INDICES OF FERTILIZER CONSUMPTION IN KERALA IN TERMS OF NPK,  
1951-52 TO 1970-71

YEAR	N		P2 O5		K 20		Total	
	Qty. (M.T.)	Index	Qty. (M.T.)	Qty. (M.T.)	Index	Qty. (M.T.)	Index	
1	2	3	4	5	6	7	8	9
1951-52	711	100.00	1118	100.00	51	100.00	1880	100.00
1955-56	2087	293.43	1120	100.17	65	127.40	3272	174.01
1960-61	5314	747.15	4703	420.64	203	397.88	10220	543.60
1964-65	12746	1792.09	11210	1002.62	10252	20093.92	34208	1819.52
1965-66	18559	2609.40	17366	1551.22	17030	33378.80	52955	2816.68
1970-71	36634	5150.74	15200	1359.49	18255	35779.80	70089	3728.03

Source: Department of Agriculture, Kerala

TABLE 2.20

Fertilizer Consumption in Kerala, 1951-1952 to 1970-71

(Percentage distribution in terms of NPK)

	N	P2O5	K2O	Total
1	2	3	4	5
1951-52	37.82	59.47	2.71	100.00
1955-56	63.78	34.23	1.99	100.00
1960-61	52.00	46.01	1.99	100.00
1964-65	37.26	32.77	29.97	100.00
1965-66	35.05	33.80	32.15	100.00
1970-71	52.27	21.69	26.05	100.00

TABLE 2.21

Fertiliser consumption per Hectare of Agricultural Land in Kerala in Terms of  
N. P. K, 1964-65 to 1970-71 (Kg. per hectare)

Year	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
1	2	3	4	5
1964-65	3.31	1.43	5.01	9.75
1965-66	3.06	1.62	7.95	12.63
1966-67	10.83	2.83	7.19	20.85
1967-68	9.55	4.29	7.32	21.16
1969-70	10.59	7.17	7.52	25.28
1970-71	8.69	4.68	5.32	18.69

Source: 1- Agro-Industries in Maharashtra - Problems and prospects P. 222 for  
1964-65 to 1967-68.

2. Statistics 1960-71 P. 199 for 1969-70 and 1970-71. Fertilizer.

TABLE 2.22

Fertilizer consumption per unit of Cropped Area and consumption Ratio  
of N P K in Kerala, 1969-70 and 1970-71

Details	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
1	2	3	4	5
1. Consumption in Kg. per hectare of cropped area:				
1969-70	11.44	7.74	8.12	27.30
1970-71	9.23	4.97	5.66	19.86
2. Consumption ratio of NPK				
1970-71	1	0.54	0.61	..

Source- Fertilizer statistics 1970-71 P. 196 and 198.

TABLE 2.23

Percentage of cultivators using green manure, oil cakes, Chemical Pesticides and improved implements in Kerala, 1964-65.

Item	Kharif	Rabi
1	2	3
1. Green manure	8.7	12.6
2. Oil cakes	1.5	1.8
3. Chemical pesticides	13.6	15.6
4. Improved implements	1.7	1.7

Source: Regional variations in social development and level of living, Vol. II table V.  
Reproduced in Agro-Ind. in Maharashtra.-problems and prospects, P. 223.

TABLE 2.24

### CONVERSION RATIOS BETWEEN RAW MATERIALS AND PROCESSED PRODUCTS

#### RICE:

Rice (cleaned) Production - 2/4 of paddy production

#### COTTON

Cotton lint production - 1/3 of kapas production

Cotton seed production - 2/3 of kapas production

- 2 times of cotton lint production

#### JUTE:

100 yards of hessian - 54 lb. of raw jute

4, 148 yards of hessian - 1 ton of raw jute

- 5.6 bales of raw jute (of 400 lb. each)

1 ton sacking - 1.11 tons of raw jute

1 ton of hessian sacking etc - 6.17 bales of raw jute (of 400 lb. each)

- 1.05 tons of raw jute

- 5.9 bales of raw jute (of 400 lb. each)

#### GROUNDNUT:

Kernal to nuts in shell - 70 percent

Oil to nuts in shell - 28 percent

Oil to kernels crushed - 40 percent

Cake to kernels - 60 percent

(Continued)

TABLE 2. 24 (continued)

**SESAMUM:**

Oil to seeds crushed	- 40 percent
Cake to seeds crushed	- 60 percent

**RAPE AND MUSTARD:**

Oil to seeds crushed	- 33 percent
Cake to seeds crushed	- 67 percent

**LINSEED:**

Oil to seeds crushed	- 33 percent
Cake to seeds crushed	- 67 percent

**CASTOR SEED:**

Oil to seeds crushed	- 37 percent
Cake to seeds crushed	- 63 percent

**COTTON SEED:**

Oil to seeds crushed	- 14 to 18 percent
Cake to seeds crushed	- 82 to 86 percent

**COCONUT:**

One ton of copra

Copra to nuts	- 6,773 nuts
Oil to copra crushed	- 62 percent
Cake to copra crushed	- 38 percent

**NIGER SEED:**

Oil to seeds crushed	- 28 percent
Cake to seeds crushed	- 72 percent

**KARDI SEED:**

Oil to seeds crushed	- 40 percent
Cake to seeds crushed	- 60 percent

**MAHUWA SEED:**

Oil to seeds crushed	- 36 percent
Cake to seeds crushed	- 64 percent

**NEEM SEED:**

Oil to kernels crushed	- 45 to 50 percent
Cake to kernels crushed	- 55 to 50 percent

**SOYABEAN SEED:**

Oil from Soyabean crushed	- 18 percent
Meal from Soyabean seed	
Crushed	- 73 percent
Hull from Soyabean seed	
Crushed	- 8 percent
Wastage from Soyabean	
Seed crushed	- 1 percent

TABLE 2.24 (continued)

## SUGAR:

Gur from cane crushed	- 10 percent
Crystal sugar from gur refined (Gur refineries)	- 62.4 percent
Crystal sugar from cane crushed (Cane factories)	- 9.97 percent
Khandasari sugar from gur refined	- 37.5 percent
Molasses from cane crushed	- 3.5 percent
Cane trash * from cane harvested	- 10.0 percent

## LAC:

Seed lac	- 66.0 percent of stick lac
Shell lac	- 57.4 percent of stick lac or - 87.0 percent of seed lac

## CASHEWNUTS:

Cashew Kernels	- 25 percent of cashewnuts
----------------	----------------------------

## BUTTER AND GHEE:

Butter from mixed milk	- 6.9 percent
Ghee from mixed milk	- 5.5 percent

\* This consists of leaves and portion of the top or the stalk which are removed from the cane stalk, while harvesting and before sending cane to milling.

Source: Indian Agriculture in Brief, Sixth Edition, Directorate of Economics and Statistics.



TABLE 2.25

Average Chemical Composition of some Organic manures  
(Percent)

Material	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
<b>I Bulky organic manures</b>			
Farm yard manure	0.5-1.5	0.4-0.8	0.5-1.9
Compost (Urban)	1.2-2.0	1.0	1.5
Compost (Rural)	0.4-0.8	0.3-0.6	0.7-1.0
Green manures (various average)	0.5-0.7	0.1-0.2	0.8-1.6
<b>II Oil cake</b>			
(a) non-edible, cakes			
Castor cake	5.5-5.8	1.8-1.9	1.0-1.1
Cotton seed cake (undecorticated)	3.9-4.0	1.8-1.9	1.6-1.7
Mahua cake	2.5-2.6	0.8-0.9	1.8-1.9
Karanj cake	3.9-4.0	0.9-1.0	1.3-1.4
Neem cake	5.5-5.3	1.0-1.1	1.4-1.5
Safflower cake (Undecorticated)	4.8-4.9	1.4-1.5	1.2-1.3
(b) Edible oil cakes			
Coconut cake	3.0-3.2	1.8-1.9	1.7-1.8
Cotton seed cake (Decorticated)	6.4-6.5	2.8-2.9	2.1-2.2
Groundnut Cake	7.0-7.2	1.5-1.6	1.3-1.4
Jambo cake	4.9-5.0	1.6-1.7	1.8-1.9
Linseed cake	5.5-5.6	1.4-1.5	1.2-1.3
Niger cake	4.7-4.1	1.8-1.9	1.3-1.4
Rapeseed cake	5.1-5.2	1.1-1.9	1.1-1.9
Safflower cake (Decorticated)	7.8-7.9	2.2-2.3	1.9-2.0
Sesamum or til cake	6.2-6.3	2.0-2.1	1.2-1.3
<b>III Manure of animal origin</b>			
Dried blood	1.0-1.2	1.0-1.5	0.6-0.8
Fish manure	4-10	3-9	0.3-1.5
Bird guano	7-8	20-25	2-3
Bone meal (Raw)	3-4	20-25	—
Bonemeal (Steamed)	1.0-2.0	25-30	—
Activated sludge (Dry)	5-6	3-3.5	0.5-0.7

TABLE 2.25—Continued

Material	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
Settled sludge (Dry)	2-2.5	1-1.2	0.4-0.5
Night soil	1.2-1.3	0.8-1.0	0.4-0.5
Human urine	1.0-1.2	0.1-0.2	0.2-0.3
Cattle dung and urine mixed	6.60	0.15	0.45
Horse dung and urine mixed	0.70	0.25	0.55
Sheep dung and urine mixed	0.95	0.35	1.00

Sources: 1. C. N. Acharya, (1957), Organic Manures, I. C. A. R. Review Series No. 2.

2. J. A. Daji, (1955) Manures & Manuring, I. C. A. R. Farm Bulletin No. 7

3. Van Slyke (1953), Fertilizer and Crop Production, Published by Oragne Jodd Publishing Co., New York.

TABLE 2.26

Number of Agricultural implements in Kerala in 1956 and 1966 and the Percentage Change

Type of implement	1956	1966	Per cent. change
1	2	3	4
1 Wooden ploughs	570327	475930	-16.55
2 Iron ploughs	10225	17179	+68.00
3 Carts	27283	16309	-40.23
4 Sugarcane crushers (Power)	230	457	+98.70
5 Sugarcane crushers (Bullocks)	1155	989	-14.37
6 Oil engines	2504	6824	+172.52
7 Electrical pumps	723	4869	+573.44
8 Tractors	187	418	+123.53
9 Ghanies more than 5 seers	1858	692	-62.76
10 Ghanies less than 5 seers	2366	623	-73.67

Source: Livestock census 1956 & 1966

TABLE 2.27

Demand for mechanised implements during the Fourth Plan in Kerala (1968-69 to 1973-74) as percentage to All India Demand

Details	Kerala
1 a. Number of Tractors	10050
b. Percent to All India	2.32
2 a. Number of Electrical pumpsets	20000
b. Percent to All India	1.60
3 a. Number of Diesel pumpsets	20000
b. Percent to All India	3.33
5 a. Number of Private tube wells	1000
b. Percent to All India	0.27

Source—I. S. A. E. News, January 1970 P. 14

TABLE 2.28

Distribution of Imported Tractors through the State Agro-Industries Corporation in Kerala, 1968-69 and 1969-70

Details	1968-69	1969-70	% increase
1	2	3	4
1 a. Number distributed	400	800	100
b. Percent to All India	2.76	2.67	...
2 a. Pending requirements of tractors for over an year (Numbers)	...	500	...
b) Percent to all India	...	0.64	...

Source—I. S. A. E. News, October 1969 and 1970.

TABLE 2.29

## Programme of Energisation of Irrigation Pump sets in Kerala 1971-81

Details	Kerala	India
	2	3
1 (a) No. of irrigation pump sets as on 31-3-1971	23163	1629814
(b) Percent to All India	1.42	100.0
2 (a) Additional irrigation pumpsets to be energised during 1971-74	10746	961209
(b) Percent to All India	1.12	100.0
3 (a) Additional irrigation pump sets to be energised during 1974-79	32091	2754217
(b) Percent to all India	1.17	100.0
4 (a) Additional irrigation pump sets to be energised during 1979-81	14000	1155000
(b) Percent to All India	1.21	100.0
5 (a) Total to be energised as on 31-3-1981	80000	6500000
(b) Percent to All India	1.23	100.0

Source: Bhagirathi, Vol. XIX, No. 1, Jan. 1972 p. 9

TABLE 2.30

## Irrigation Potential and Benefits from Major and Medium irrigation Schemes in Kerala, 1968-69 and 1973-74

(Gross area: Lakh hectares)

Details	Ultimate potential	1968-69	1973-74
	2	3	4
1. Ultimate potential	6.30		
2. Total benefits			
(a) Potential	...	3.37	4.56
(b) Utilisation	...	3.37	4.48
(c) Percentage of (b) to (a)	...	100.0	98.2
(d) Percentage of 2 (a) to 1	...	53.5	72.4

Source: Planning Commission, IV Five Year Plan, 1969-74, 1970, p. 262

TABLE 2.31

Percentage distribution of gross area irrigated in Kerala by crops,  
1955-56 to 1970-71.

Name of crop	1955-56		1960-61		1965-66		1970-71	
	Area (Hec- tares)	% to total	Area (Hec- tares)	% to total	Area (Hec- tares)	% to total	Area (Hec- tares)	% to total
1	2	3	4	5	6	7	8	9
1 Paddy	240986	68.96	347799	76.23	405920	79.75	488635	81.28
2 Sugarcane	2796	0.80	3650	0.80	4306	0.85	4290	0.71
3 Other food crops	66163	18.94	65310	14.31	56049	11.01	55690	9.27
4 Total food crops	309945	88.70	416759	91.34	466275	91.61	548615	91.26
5 Total non food crops	39497	11.30	39497	8.66	42686	8.39	52570	8.74
6 All crops	349442	100.00	456256	100.00	508961	100.00	601185	100.00

TABLE 2.32

Percentage distribution of area under irrigation in Kerala by Source,  
1955-56 to 1970-71

Source	1955-56	1960-61	1965-66	1970-71
1	2	3	4	5
<b>I Net area irrigated by :</b>				
1 Government canals	27.20	41.75	46.16	46.50
2 Private canals	2.32	1.80	2.22	2.36
3 Tanks	16.79	14.73	15.85	16.96
4 Wells	0.82	0.64	1.15	1.27
5 Other sources	52.87	41.08	34.62	32.01
6 Total	100.00	100.00	100.00	100.00
<b>II</b>				
1 Wet area irrigated as % to net area sown	13.53	16.57	17.53	19.86
2 Area irrigated more than once as % to net area irrigated	41.09	43.16	40.66	39.33
3 Area irrigated more than once as % to net area sown	5.56	7.15	7.13	7.83
4 Total irrigated area as % to total cropped area	16.04	19.42	19.95	20.51

TABLE 2.33

Indices of area under irrigation in Kerala source wise, 1955-56 to 1970-71.

Source	1955-56	1960-61	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970*71
	2	3	4	5	6	7	8	9	10
<b>Net area irrigated by</b>									
1 Govt. Canals	100.00	197.50	240.96	250.83	265.70	271.58	280.98	287.22	297.70
2 Private canals	100.00	100.00	136.20	134.00	177.07	177.07	177.07	177.07	177.07
3 Tanks	100.00	112.88	133.96	143.62	173.78	169.50	171.57	173.18	175.78
4 Wells	100.00	100.00	198.33	198.33	268.70	268.70	268.70	268.70	268.70
5 Other sources	100.00	100.00	92.98	92.72	96.62	108.01	108.29	108.31	108.42
6 Total	100.00	128.68	141.98	146.09	158.84	165.74	168.79	170.78	174.12
7 Area irrigated more than once	100.00	135.16	139.98	144.57	131.08	158.88	167.94	163.47	167.18
8 Total irrigated area	100.00	130.57	141.40	145.65	150.75	163.75	166.80	168.65	172.10

TABLE 2.34

Ratio of average annual rainfall for each District to the State average,  
1960-61 and 1970-71.

District	1960-61		1970-71	
	Rainfall (milli- metres)	Index (average State=1)	Rainfall (milli- metres)	Index (average State=1)
1	2	3	4	5
Trivandrum	3239.0	0.87	2127.4	0.70
Quilon	3547.3	0.95	2707.5	0.89
Alleppey	3997.4	1.07	2573.6	0.84
Kottayam	3661.2	0.98	2874.8	0.94
Ernakulam	3979.1	1.07	3371.3	1.11
Trichur	3886.4	1.04	3014.9	0.99
Palghat	3172.0	0.85	2780.2	0.91
Malappuram	-	-	3293.2	1.08
Kozhikode	4658.8	1.25	4261.2	1.40
Cannanoor	3813.0	1.02	3451.4	1.13
KERALA	3733.3	1.00	3045.9	1.00

TABLE 2.35

Indices of average annual rainfall in Kerala, District wise, 1960-61 to 1970-71.  
(Base 1960-61=100)

Districts	1960-61	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
I	2	3	4	5	6	7	8	9
Trivandrum	100.00	73.91	54.18	65.56	54.25	61.96	53.48	65.68
Quilon	100.00	76.23	68.51	69.83	73.68	94.18	67.37	76.33
Alleppey	100.00	77.83	57.58	73.11	85.20	80.28	70.64	64.38
Kottayam	100.00	85.92	57.97	71.79	64.21	84.59	74.57	78.52
Ernakulam	100.00	101.01	66.40	87.32	76.81	93.66	87.93	84.73
Trichur	100.00	93.72	52.06	76.30	74.52	89.16	70.83	77.58
Palghat	100.00	89.56	53.00	62.88	72.94	80.01	73.51	87.65
Kozhikode	100.00	75.23	52.07	59.55	62.69	83.69	67.02	91.47
Gannanoor	100.00	82.88	65.55	72.77	89.24	103.98	75.32	90.51
KERALA	100.00	84.90	59.18	71.84	73.57	87.06	72.19	81.59



TABLE 2.36

PER CAPITA ANNUAL PRODUCTION OF MILK, MEAT, EGGS AND FISH IN  
KERALA, 1960-61, 1965-66 and 1968-69

Item	Unit	1960-61	1965-66	1968-69
(1)	(2)	(3)	(4)	(5)
1. Milk for consumption as such	Kg.	11.037	10.978	10.991
2. Ghee	Grms.	81	78	77
3. Butter	Grms.	68	66	65
4. Butter milk	Kgs.	2.407	2.345	2.325
5. Meat	Kgs.	1.918	2.069	2.364
6. Eggs	Nos.	22	23	23
7. Fish (Marine)	Kg.	14.816	11.354*	17.521

Population figure used are 1st March 61, 66 and 69 respectively

Meat includes meat and edible offals

\*relates to 1961-62

TABLE 2.37

Per Capita Per Daily Availability of Milk Proteins in Kerala, 1966

Details	Kerala	India
1	2	3
1. Milk (gms)	35	105
2. Milk proteins (gms)	1.2	4.2
Index [all India=100]		
1. Milk	33.3	100
2. Milk Proteins	28.6	100

TABLE 2.38

Average Yield of Milk Eggs Per Animal Poultry in Kerala

Animal/bird	Average annual % of animals in milk	Average daily yield of milk (kg)	Average annual yield of eggs
1	2	3	4
1. Cow	45	1.11	...
2. Buffaloe	59	2.01	...
3. Goat	35	0.266	...
4. Hen	...	...	96.5
5. Duck	...	...	130

Source: C. S. O.

TABLE 2.39

GROWTH OF LIVESTOCK POPULATION IN KERALA, 1951 to 1971  
(Index Base: 1956=100)

	1951 Census	1956 Census	1961 Census	1966 Census	1971 Census
1	2	3	4	5	6
<b>I. CATTLE</b>					
a) Males over 3 years	...	100.00	94.04	86.31	71.92
b) Females over 3 years	...	100.00	116.44	122.17	126.73
c) Young Stock	...	100.00	112.59	122.78	122.56
Total	85.7	100.00	109.67	113.80	112.08
<b>II. BUFFALOES</b>					
a) Males over 3 years	...	100.00	110.83	98.68	85.40
b) Females over 3 years	...	100.00	97.56	97.32	115.77
c) Young Stock	...	100.00	70.57	89.88	103.07
Total	91.12	100.00	99.47	96.63	97.36
Total I & II	86.59	100.00	108.01	111.00	109.68
III Sheep and goats	80.39	100.00	126.88	113.99	136.64
IV Pigs	102.44	100.00	106.30	97.22	102.58
Total livestock	85.45	100.00	112.71	111.35	116.65
V POULTRY	60.60	100.00	134.01	145.83	161.50

TABLE 2.40

## PERCENTAGE DISTRIBUTION OF LIVESTOCK POPULATION IN KERALA BY DISTRICTS, 1966

Item	1	2	3	4	5	6	7	8	9	10	11	
			Trivan- drum	Quilon	Alleppey	Kottayam	Erna- kulam	Trichur	Palghat	Kozhi- kode	Canna- nore	State
<b>I CATTLE</b>												
1. Total males over 3 years			3.52	10.00	3.52	6.46	15.94	10.89	15.99	19.48	14.20	100.00
2. Cattle in milk			6.29	12.27	11.99	15.05	9.27	7.69	11.56	11.91	13.97	100.00
3. Total females over 3 years			5.45	13.10	13.68	15.06	9.00	6.46	10.16	12.96	14.13	100.00
4. Young Stock			5.72	13.28	11.61	14.78	9.88	7.74	10.37	11.85	13.77	100.00
Total cattle			5.20	12.61	11.42	13.38	10.61	7.77	11.30	13.71	14.00	100.00
<b>II BUFFALOES:</b>												
1. Total males over 3 years			6.39	4.64	3.33	2.28	4.41	13.92	45.51	12.02	7.50	100.00
2. Buffaloes in milk			13.11	7.21	3.25	5.81	6.30	16.24	20.59	15.68	11.81	100.00
3. Total females over 3 years			13.09	7.49	3.90	5.87	5.03	14.06	20.44	16.97	23.15	100.00
4. Young Stock			10.74	6.24	2.32	5.45	3.75	14.21	30.50	15.49	11.30	100.00
Total Buffaloes			9.07	5.74	3.31	3.86	4.47	14.02	35.71	14.04	9.78	100.00
<b>III TOTAL SHEEP &amp; GOAT</b>												
IV Total Pigs			3.40	0.53	0.15	56.75	33.48	1.30	0.32	1.10	2.97	100.00
V Total Livestock			6.99	11.37	9.12	13.47	10.89	8.73	14.11	13.43	11.89	100.00
VI Total Poultry			8.11	9.87	11.51	13.81	13.18	10.31	9.53	15.34	8.34	100.00

TABLE 2.41

ESTIMATED MARINE FISH RESOURCES IN KERALA  
(Area Available for Exploitation upto 40 Fathom Line)

1	2	3
Details	Area ('000 sq. miles)	Percentage to all India
1. Inshore	1.0	8.20
2. Off-shore	2.5	8.01
3. Mid-water	11.2	6.22
Total	14.7	6.57

Source: IV Plan working group papers, Ministry of Food and Agriculture, C.D. & Co-operative, New Delhi.

TABLE 2.42

PER CAPITA PRODUCTION OF MARINE FISH\* in  
Kerala, 1961-62 to 1970-71

Year	Annual percapita production [kg]	Per day per capita production Grams	production Index [1961-62=100]
1	2	3	4
1961-62	14.816	40.59	100.00
1962-63	12.189	33.39	82.26
1963-64	9.229	25.22	62.13
1964-65	19.377	53.09	130.80
1965-66	11.354	31.11	76.64
1966-67	11.713	32.09	79.06
1967-68	12.284	33.56	82.68
1968-69	17.521	48.00	118.26
1969-70	17.901	49.04	120.82
1970-71	17.851	48.91	120.50

\*Worked out from the data on annual marine fish landings in Kerala furnished by the Director of Fisheries, Kerala.

X

TABLE 2.43  
Indices of species wise Marine fish Landings in Kerala 1951 to 1970  
(Base: 1951=100)

Species	1951	1956	1961	1965	1966	1967	1968	1969	1970
1	2	3	4	5	6	7	8	9	10
1. Oil sardine	100.00	33.41	1095.02	1445.71	1337.73	1552.84	1629.60	928.37	1263.34
2. Other sardine	100.00	76.92	31.50	108.35	49.60	51.65	44.13	54.20	34.24
3. Mackerel	100.00	151.50	337.92	304.28	181.18	75.87	60.69	505.46	922.28
4. Prawns	100.00	160.81	234.33	165.88	330.03	311.54	291.67	397.03	439.86
5. Cat fish	100.00	321.37	106.87	122.38	198.87	258.70	143.25	214.38	562.65
6. Seer fish	100.00	250.07	383.89	201.46	168.18	180.16	500.27	134.49	233.95
7. Tunnies	100.00	502.87	1290.26	524.64	342.98	414.01	530.09	280.23	373.07
8. Porafret	100.00	45.07	11.14	7.41	9.57	28.28	16.57	20.04	11.88
9. Lactarins	+100.00	29.12	13.71	12.05	21.65	43.64	16.02	11.77	13.03
10. Ribbon fish	100.00	51.85	51.55	177.16	270.40	87.66	12.71	95.41	63.03
11. Elasmobranchs	100.00	56.20	69.30	49.22	66.63	60.45	34.43	47.49	62.13
12. Anchoviella	100.00	36.28	23.07	10.26	33.28	43.82	21.34	39.59	28.68
13. Scianids	100.00	131.78	43.58	56.93	85.75	75.10	63.25	55.67	100.52
14. Carnax	100.00	N. A.	92.93	83.88	166.12	204.28	102.24	75.04	66.50
15. Leiosgnathus	N. A.	100.00	69.47	113.41	148.69	137.42	81.38	160.71	185.62
16. Soles	100.00	748.67	578.36	718.97	465.68	313.75	933.62	987.11	1004.22
17. Others	100.00	422.26	49.74	112.00	138.84	140.83	112.94	133.87	253.18
Total	100.00	79.68	140.03	177.55	181.51	160.61	180.76	154.31	207.68

+ includes gazza leiognathus ++ Includes thrissoles  
Source:—Central marine Fisheries Research Station - Cochin

**TABLE 2.44**  
**INDICES OF AVERAGE BEACH PRICE OF MARINE FISH IN KERALA,**  
**1961-62, 1965-66 AND 1970-71**

(Base 1961-62=100)

SPECIES	1961-62	1965-66	1970-71
(1)	(2)	(3)	(4)
Oil Sardine	100.00	166.66	411.11
Other Sardine	100.00	186.66	246.66
Mackeral	100.00	126.47	252.92
Prawns	100.00	404.16	750.00
Cat fish	100.00	135.71	153.57
Seer fish	100.00	158.33	829.17
Tunnies	100.00	143.33	366.66
Pomfeet	100.00	146.43	532.14
Lactarives	100.00	115.38	573.07
Ribbonfish	100.00	142.86	238.00
Elasmobranchs	100.00	140.70	192.59
Anchoviella	100.00	71.83	83.00
Sciaepids	100.00	100.00	333.33
Soles	100.00	133.33	491.66
All	100.00	178.57	528.57

Sourçe: Department of Fisheries.

TABLE 2.45

Trends in Exports of Marine Products from Kerala, 1961-62 to 1969-70

(Base 1961-62=100)

Year	Quantity		Value		Average export price	
	Metric tonnes	Index	Rs. '000	Index	Rs./kg	Index
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1961-62	7080.0	100.00	24070.6	100.00	3.40	100.00
1962-63	6943.0	137.12	33006.0	98.07	4.75	139.71
1963-64	8238.7	159.37	38361.7	116.36	4.66	137.06
1964-65	9742.5	209.53	50435.6	137.61	5.18	152.35
1965-66	9556.9	249.69	60102.2	134.98	6.29	185.00
1966-67	13175.3	608.22	146401.2	186.09	11.11	326.77
1967-68	15245.7	695.85	167495.5	215.33	10.99	323.24
1968-69	18481.8	841.07	202451.7	261.04	10.95	322.06
1969-70	22272.5	1131.22	272290.7	314.58	12.22	359.41

Source: Marine Export Promotion Council, Cochin.

TABLE 2.46

Trends in Out-Turn of Timber and Firewood in Kerala, 1960-61, 1965-66 AND 1970-71

(Index Base: 1960-61=100)

Sl. No.	ITEM	Unit	1960-61		1965-66		1970-71	
			Quantity	Index	Quantity	Index	Quantity	Index
1	2	3	4	5	6	7	8	
1.	A. Round logs	G.M.	223158	196.12	437677	196.12	498487	223.37
	(i) Teak	"	33587	82.98	27875	82.98	41357	123.12
	(ii) Others	"	189571	217.17	409802	217.17	467130	241.14
	B. Sawn & squared timber	"	151	230.05	3474	230.05	5275	349.31
	(i) Teak	"	56	0.20	11	0.20	16	0.29
	(ii) Others	"	105	329.78	3463	329.78	5259	500.81
2.	Round poles	Nos.	252340	99.45	251019	99.45	368081	145.83
3.	Fire wood	Tonnes	182253	89.56	163255	89.56	280070	153.65

Source: Forest Department Kerala

to be collected

TABLE 2.47

Wholesale Price of Timber in Kerala During 1960-61 and 1967-68 AND the Percentage Change

Sl. No.	Items	1960-61	1967-68	Percentage change over 60-61
1	2	3	4	5
1	Teak	330	316	(-) 4.24
2	Blackwood (Rose)	280	510	82.14
3	Ebony	335	...	...
4	Kambagom	260	251	(-) 3.46
5	Anjili	250	289	15.60
6	Venga	180	210	16.67
7	Thembavu	150	146	(-) 2.67
8	Manja Kadambu	160	182	13.75
9	AKil	150	217	44.67
10	Myla	166	165	(-) 0.60
11	Irul	130	173	33.08
12	Maruthy	140	151	7.86
13	Venteak	100	131	31.00
14	Elavu	100	116	16.00
15	Cheeni	90	70	22.22
16	Nanku	100	135	35.00
17	Chadachi	90	131	45.56
18	Jack	190	217	14.21
19	Vella Pine	60	89	48.33
20	Thanni	80	108	35.00
21	Puli	126	130	3.17
22	Kalpine	118	115	(-) 2.54
23	Chorapine	60	63	5.00
24	Kayini	120	134	11.67
25	Pala	60	91	51.67
26	Punna	53	125	135.85
27	Kolamavu	94	92	(-) 2.13
28	Vaka	100	87	(-) 13.00
29	Nirventeak	147	144	(-) 2.04
30	Vellagil	150	217	44.67
31	Other jungle woods	100	114	14.00
Total		184.89	175.90	(-) 4.86

Source: State Income of Kerala 1960-61 to 1968-69

Bureau of Economics &amp; Statistics, Kerala p 35 &amp; 36

To be collected



**TABLE 2.48**  
Growth of primary Co-operative Credit Societies in Kerala, 1960-70

Details	1960-61	1970-71	Percentage Change
1	2	3	4
<b>I. Agricultural Credit Societies*</b>			
1 Number of Societies	2249	1910	-15.07
2 Member ship (Nos.)	813915	1720032	111.33
3 Total Working Capital (Rs. '000)	74222	561076	655.94
4 Loans issued (Rs. '000)	51490	316137	513.98
<b>II. Non-agricultural Credit Societies</b>			
1 Number of Societies	359	371	3.34
2 Membership (Nos.)	297088	366000	23.20
3 Total Working Capital (Rs. '000)	25038	99553	297.61
4 Loans issued (Rs. '000)	23310	84326	261.76

\* Includes primary land mortgage Banks.

**TABLE 2.49**  
Percentage of area and population covered by community development programme in Kerala by Districts, 1971

District	Number of Blocks	Percent of areas covered.	Percent of Population covered.
1	2	3	4
1 Trivandrum	12	81.84	79.05
2 Quilon	17	69.91	96.45
3 Alleppey	17	87.46	83.91
4 Kottayam	13	78.21	92.88
5 Ernakulam	17	86.49	77.74
6 Trichur	17	71.61	91.85
7 Palghat	12	84.39	92.63
8 Malappuram	13	99.15	98.28
9 Kozhikode	14	87.77	81.58
10 Cannanore	12	92.55	93.08
<b>KERALA</b>	<b>144</b>	<b>83.92</b>	<b>88.53</b>

TABLE 3.1  
TRENDS IN MINERAL PRODUCTION IN KERALA, 1956 TO 1970  
(Index Base 1956=100)

Sl. No.	Minerals	1956		1960		1965		1970-71*	
		M.T.	Index	M.T.	Index	M.T.	Index	M.T.	Index
1	2	3	4	5	6	7	8	9	10
1	Chinaclay	15155	100.00	24999	164.96	9919	65.45	66694+	440.08
2	Ilmenite	309382	100.00	240601	77.77	2932	0.95	33280	107.57
3	Quartz & Silica	...	...	4225	100.00 <sup>a</sup>	6458	152.85	22964	543.53
4	Rutile	541	100.00	982	181.52	1205	222.74	1616	298.71
5	Salt	771	100.00	635	82.36	800	103.76	N.A.	...

+ includes 51783 M.T. raw clay and 14911 M.T. Processed clay.

\* relates to financial year.

<sup>a</sup> for quartz & Silica index base 1960=100.

Source: For the years 1956, 1960 and 1965 Indian Bureau of Mines.  
For 1970-71, Director of Geology, Government of Kerala.

TABLE 3.2  
Growth of registered Working Factories and Factory Employment in Kerala  
1960 to 1969

(Index base: 1959)

Year	Factories		Employment		Percentage change over the previous year.	
	Number	Index	Number	Index	Factories	Employment
1960	2400	100.00	167017	100.00	6.29	4.32
1961	2474	103.08	171340	102.59	3.08	2.59
1962	2559	106.62	175222	104.91	3.44	2.27
1963	2587	107.79	175855	105.29	1.09	0.36
1964	2672	111.33	186147	111.45	3.29	5.85
1965	2820	117.50	195456	117.03	5.54	5.01
1966	2911	121.29	198465	118.83	3.23	1.54
1967	2845	118.54	202589	121.30	(-)-2.27	2.07
1968	2872	119.67	204285	122.31	0.95	0.83
1969	3035	126.46	204264	122.30	5.68	-0.01

to be collected  
A 51.

TABLE 3.3

Growth of registered Working Factories and Employment in Kerala by Districts, 1960 to 1969

*As far collected for the total year*

District	Number of factories			Average daily employment		
	1960-	1969	% change	1960	1969	% change
1	2	3	4	5	6	7
STATE	2400	3035	26.5	167017	204264	22.3
Trivandrum	118	160	35.6	7402	12932	74.7
Quilon	346	448	29.5	67279	89396	32.9
Alleppey	278	269	-3.2	15512	11378	-26.7
Kottayam	229	288	25.8	7794	8569	9.9
Ernakulam	251	421	68.5	15137	26585	75.6
Trichur	299	545	82.3	16146	18081	12.0
Palghat	221	252	14.0	6444	7019	8.9
Kozhikode	290	355	22.4	17433	18462	5.9
Cannanore	368	295	-19.8	13870	11842	-14.6

TABLE 3.4

Some important Rates in the Organised Industries Sector\* in Kerala, 1962-65

*As far prepared*

Details	1962	1963	1964	1965
1	2	3	4	5
1 Number of factories per 100 Sq. K. M.	1.37	1.39	1.49	1.55
2 Number of factories per lakh of population	3.15	3.19	3.43	3.23
3 Productive capital employed per worker	4550	4712	5573	6436
4 Productive capital per capita (Rs.)	34	36	43	49
5 Factory employment per 10 Sq. K. M. (No.)	353	364	374	403
6 Factory employment per lakh of population (No.)	811	836	861	839
7 Wages paid per worker per annum (Rs.)	757	766	746	869
8 Input required to produce Rs. 1000 worth of output Rs.	732	724	734	737
9 Output per worker per annum (Rs.)	7234	7538	8397	9346
10 Per capita output (Rs.)	53.33	57.23	65.50	70.79
11 Value added per worker (Rs.)	1937	2082	2236	2454
12 Per capita value added	14.28	15.82	17.44	18.59

\* Annual Survey of Industries

Source: Statistics for Planning series 4, Industries and Infrastructure, Bureau of Economics and Statistics, Kerala P.11

TABLE 3.5

 INDEX NUMBERS OF INDUSTRIAL PRODUCTION IN KERALA, 1960-61 TO 1966-67  
 (Base. 1960-61=100)

*to be collected from IIP.*

Sl.No.	Industry	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67
1	2	3	4	5	6	7	8	9
1	Food	100.00	106.45	115.19	118.66	117.49	121.72	148.08
2	Beverages	100.00	100.00	128.90	255.93	490.30	582.37	796.28
3	Tobacco	100.00	123.35	115.06	91.44	82.48	91.64	88.27
4	Textiles	100.00	114.84	118.41	114.33	111.28	112.63	105.62
5	Footwear, other wearing apparel and made up textiles goods	100.00	93.46	85.07	99.76	98.15	89.49	82.59
6	Wood and wood products except furniture	100.00	78.99	93.12	128.52	118.51	109.81	124.16
7	Furniture and fixtures	100.00	72.67	67.42	94.13	96.83	122.81	125.53
8	Paper & paper Products	100.00	106.61	124.45	97.28	388.64	497.31	589.16
9	Printing publishing and allied Industries	100.00	126.20	157.19	156.38	187.18	187.96	187.75
10	Leather and leather products except foot-wear	...	...	...	...	...	...	...
11	Rubber products	100.00	108.58	107.80	158.37	181.79	167.85	181.50
12	Chemicals and Chemicals products	100.00	111.68	126.63	130.72	152.00	144.13	166.91
13	Products of petroleum and coal	...	...	...	...	...	...	...
14	Non-metallic mineral products except products of petroleum and coal	100.00	107.43	125.41	130.85	130.43	124.11	133.05
15	Basic metal industries	100.00	124.59	177.17	161.20	210.71	272.73	405.64
16	Metal products except machinery and transport equipments.	100.00	95.21	110.11	92.22	142.87	152.36	124.84
17	Machinery except electrical machinery	100.00	62.75	87.68	67.81	92.54	150.82	225.33
18	Electrical machinery apparatus and appliances	100.00	148.36	234.83	301.09	284.85	357.61	356.96
19	Transport equipment	100.00	128.49	120.34	129.64	148.61	192.55	208.21
20	Miscellaneous manufacturing Industry	100.00	123.98	128.98	182.88	161.88	188.49	238.60

Source: State Income of Kerala 1960-61 to 1968-69. Bureau of Economics & Statistics, Kerala, 1972 P. 70.

TABLE 3.6

Percentage share of Important Industries in Kerala, 1962 to 1965

*To be collected for the year -*

Sl. No.	Name of Industry	Number of factories				Productive Capital			
		1962	1963	1964	1965	1962	1963	1964	1965
1	2	3	4	5	6	7	8	9	10
1.	Mixed Fertilizers	0.56	0.56	0.52	0.50	17.17	16.12	12.00	7.75
2.	Inorganic heavy chemicals	0.56	0.74	0.69	0.83	7.16	8.10	7.19	7.99
3.	Cotton Textiles	5.08	5.38	6.34	5.97	6.39	6.84	7.68	7.69
4.	Tea manufacturing	10.15	10.76	11.02	10.95	5.39	5.18	6.02	3.78
5.	Cashewnut Processing	28.01	28.20	27.46	26.53	2.89	3.21	3.58	4.30
6.	Tiles	15.04	15.40	15.20	15.26	3.43	3.54	2.97	2.38
7.	Coir Manufacture	5.83	5.38	4.49	4.15	2.94	3.01	2.64	1.96
8.	Plywood	2.44	2.60	2.25	1.99	1.75	2.35	2.07	1.89
9.	Saw Milling	8.08	7.79	7.60	6.96	1.40	1.59	1.28	1.05
10.	Soaps and Glycerenes	0.56	0.56	0.52	0.66	3.28	2.89	2.97	2.93
11.	Insecticides and fungicides	0.38	0.37	0.35	...	2.41	2.25	1.95	...
12.	Letter press and Lithographic printing and book binding	2.25	2.41	2.59	2.65	1.30	1.63	1.50	1.46
13.	Other Industries together	21.06	19.85	21.07	23.55	44.40	43.29	48.15	56.82
	STATE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Sl. No.	Name of Industry	Number of Persons Employed				Wages, salaries and other benefits paid to employee			
		1962	1963	1964	1965	1962	1963	1964	1965
1	2	11	12	13	14	15	16	17	18
	Mixed Fertilisers	1.44	1.75	1.77	1.99	6.45	6.57	5.65	5.69
2.	Inorganic heavy chemicals	0.77	0.96	1.02	1.03	3.11	3.71	3.89	3.82
3.	Cotton textiles	7.34	7.10	7.53	7.53	10.41	10.58	10.97	10.50
4.	Tea manufacturing	3.17	3.12	3.23	3.01	2.26	3.38	3.33	3.07
5.	Cashewnut processing	52.51	53.89	54.46	53.95	22.48	24.42	24.39	23.78
6.	Tiles	7.85	7.32	7.07	6.39	7.96	7.46	7.47	6.52
7.	Coir manufacture	4.08	3.74	3.09	2.48	4.91	4.95	4.38	3.59
8.	Plywood	1.43	1.51	1.36	1.17	1.71	1.83	2.07	1.48
9.	Saw milling	2.54	2.20	2.13	1.82	2.17	1.66	1.79	1.51
10.	Soaps & Glycerenes	0.94	0.89	0.84	0.84	3.11	2.93	3.02	2.68
11.	Insecticides & fungicides	0.21	0.25	0.24	...	0.61	0.79	0.76	...
12.	Letter press & lithographic printing and book binding	1.76	1.85	1.97	1.87	3.03	2.98	3.25	3.22
13.	Other industries together	15.96	15.42	15.29	17.92	30.79	28.74	29.03	34.14
	STATE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

(Contd .....)

Sl. No.	Name of Industry	Input				Output				Value added by manufacture			
		1962	1963	1964	1965	1962	1963	1964	1965	1962	1963	1964	1965
1	2	19	20	21	22	23	24	25	26	27	28	29	30
1	Mixed fertilisers	5.86	6.38	5.82	6.30	4.98	5.98	6.03	5.54	2.58	4.93	6.62	3.23
2	Inorganic heavy chemical	2.59	3.61	3.30	3.11	2.89	3.83	3.54	3.34	3.70	4.40	4.21	3.90
3	Cotton Textiles	8.61	8.02	7.91	7.74	8.93	7.99	7.99	7.80	9.82	7.90	8.22	7.76
4	Tea manufacturing	73.16	12.77	11.46	11.27	11.34	11.63	10.76	10.74	6.36	8.65	8.82	8.93
5	Cashewnut processing	16.98	17.58	20.06	19.20	16.66	18.21	20.53	19.11	15.78	19.85	21.83	18.30
6	Tiles	1.93	1.82	1.70	1.46	3.27	2.86	2.54	2.26	6.95	5.59	4.85	4.44
7	Coir manufacturing	8.99	9.47	7.39	5.42	7.90	7.98	6.42	5.27	4.90	4.07	3.73	4.70
8	Plywood	1.48	1.65	1.21	1.20	1.64	1.75	1.30	1.30	2.06	2.01	1.53	1.54
9	Saw milling	1.73	1.81	1.70	1.59	1.82	1.69	1.57	1.42	2.59	1.38	1.21	0.90
10	Soaps and glycerenes	5.85	5.76	5.47	5.29	5.56	5.04	4.96	4.86	4.81	3.17	3.56	3.49
11	Insecticides & fungicides	0.93	1.02	1.03	...	1.39	0.97	1.03	...	2.64	0.83	1.05	...
12	Letterpress and lithographic printing and book binding	1.47	1.93	2.03	2.03	1.69	2.11	2.24	2.21	2.29	2.58	2.81	2.67
13	Other industries together	30.42	28.18	30.92	35.39	31.93	29.96	31.09	36.15	36.02	34.64	31.56	40.14
	STATE	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

Source: A. S. I.

TABLE 3.7  
PERCENTAGE DISTRIBUTION OF HANDLOOMS IN KERALA BY DISTRICTS, 1969

District	Total																
	Co-operative fold						Private Sector										
	Existing Nos.	%	3	4	5	6	Existing Nos.	%	7	8	9	10	Existing Nos.	%	11	12	13
1	2																
Trivandrum	6250	29.27	29.27	4721	28.60	11650	23.31	23.31	9031	25.61	17900	25.10	17900	25.10	13752	26.56	26.56
Quilon	2953	13.83	13.83	1933	11.71	3224	6.45	6.45	1957	5.55	6177	8.66	6177	8.66	3890	7.52	7.52
Alleppey	476	2.23	2.23	337	2.04	938	1.88	1.88	555	1.57	1414	1.98	1414	1.98	892	1.72	1.72
Kottayam	568	2.66	2.66	451	2.73	619	1.24	1.24	547	1.55	1187	1.66	1187	1.66	998	1.93	1.93
Ernakulam	1791	8.39	8.39	1641	9.94	1133	2.27	2.27	848	2.40	2924	4.10	2924	4.10	2489	4.81	4.81
Trichur	765	3.58	3.58	684	4.14	1352	2.70	2.70	1073	3.04	2117	2.97	2117	2.97	1757	3.39	3.39
Pulghat	3898	18.26	18.26	3225	19.54	1617	3.24	3.24	1431	4.06	5515	7.73	5515	7.73	4656	8.99	8.99
Calicut	1991	9.32	9.32	1750	10.60	4608	9.22	9.22	3904	11.07	6599	9.25	6599	9.25	5654	10.92	10.92
Gannanore	2661	12.46	12.46	1766	10.70	24831	49.69	49.69	15922	45.15	27492	38.55	27492	38.55	17688	34.16	34.16
TOTAL	21353	100.00	100.00	16508	100.00	49972	100.00	100.00	35268	100.00	71325	100.00	71325	100.00	51776	100.00	100.00

Source: Statistics for Planning series No.4  
Industries and Infrastructure-Page No. 20.

TABLE 3.8

Percentage Distribution of Idle Handlooms in Kerala By District 1969

District	Co-operative Sector		Private Sector		Total	
	%distribu- tion of idle looms	Idle looms as % to total looms	%distribu- tion of idle looms	Idle looms as %to total looms	%distri- bution of idle looms	Idle looms as % to total looms
1	2	3	4	5	6	7
Trivandrum	31.56	24.46	17.81	22.48	21.22	23.17
Quilon	21.05	34.54	8.62	39.30	11.70	37.02
Alleppey	2.87	29.20	2.60	40.83	2.67	36.92
Kottayam	2.42	20.60	0.49	11.63	0.97	15.92
Ernakulam	3.10	8.38	1.94	25.15	2.23	14.88
Trichur	1.67	10.59	1.90	20.64	1.84	17.01
Palghat	13.89	17.27	1.26	11.50	4.39	11.58
Kozhikode	4.97	12.10	4.79	5.28	4.83	14.32
Cannanore	18.47	33.63	60.59	35.88	50.15	35.66
Total	100.00	22.69	100.00	29.42	100.00	27.41

Source: Bureau of Economics & Statistics, Kerala. Statistics for Planning  
Series No. 4. Industries & Infrastructure- P.20.



TABLE 3.9

Percentage Distribution of Handloom Employment in Kerala By Districts, 1969

District	Weaving																						
	Household					Outside					Preparatory					Grand							
	Nos.	%	3	4	5	Nos.	%	6	7	8	9	Nos.	%	10	11	Nos.	%	12	13	Nos.	%		
1	2																						
Trivandrum	6388	23.68	7679	32.45	14067	27.78	3927	17.62	3515	28.90	7442	21.60	21509	25.28									
Quilon	2585	9.58	855	3.62	3440	6.79	2307	10.36	476	3.91	2783	8.08	6223	7.32									
Alleppey	527	1.95	222	0.94	749	1.48	326	1.46	165	1.36	491	1.43	1240	1.46									
Kottayam	595	2.21	411	1.74	1006	1.99	444	1.99	297	2.44	741	2.15	1747	2.05									
Eranakulam	1709	6.34	756	3.19	2465	4.87	1418	6.36	1361	11.19	2779	8.07	5244	6.16									
Trichur	1267	4.70	434	1.83	1701	3.36	605	2.72	371	3.05	976	2.83	2677	3.15									
Palghat	4727	17.53	382	1.62	5109	10.09	5533	24.85	1678	13.80	7211	20.94	12320	14.48									
Kozhikode	3322	12.32	1404	5.93	4726	9.33	3079	13.82	489	4.02	3568	10.36	8294	9.75									
Cannanore	5850	21.69	11519	48.68	17369	34.31	4640	20.83	3811	31.33	8451	24.54	25820	30.35									
TOTAL	26970	100.00	23562	100.00	50632	100.00	22279	100.00	12163	100.00	34442	100.00	85074	100.00									

Source: Statistics for Planning series No.4  
Industries and Infrastructure Page No.19

TABLE 3.10

GROWTH IN GENERATION AND CONSUMPTION OF ELECTRICITY IN KERALA  
1950-51 TO 1970-71

ITEM	Unit	1950-51	1955-56	1960-61	1965-66	1970-71	Percentage change in 1970-71 over 1950-51.	
1	2	3	4	5	6	7	8	
1	Installed generating Capacity	MW	28.5	85.5	132.5	192.5	546.50	1817.54
2	Maximum Demand	"	24.4	62.9	116.3	187.7	439.70*	1702.05
3	Units generated	MKW hrs.	150.98	349.76	581.82	842.0	2125.90	1308.07
4	Units purchased	"	16.84	1.46	58.00	116.48	20.74	23.16
5	Units sold	"	140.00	274.02	505.62	749.73	1870.00	1235.71
6	Revenue per annum	Rs. lakhs	58.37	140.73	311.60	706.78	1574.71**	2597.81
7	No. of consumers of the system	Nos.	28119	79575	174993	324111	542827	1830.46
8	Total connected load	MW.	69.57	142.35	308.02	509.85	862.53	1139.80
9	Towns and villages electrified	Nos.	159	380	869	1080	1194	650.94
10	Transmission and distribution lines	220 K.V. lines ...	...	...	...	...	316.40	...
		110 "	...	...	552.75	616.98	1281.00	...
	(ct. Kms.)	66 "	910.70	1070.02	1373.08	1717.54	1621.40†	78.04
		11 "	1073.43	2788.99	5209.05	6326.95	7955.30	641.11
		L.T. lines	997.79	3687.00	8899.10	14189.35	19136.10	1817.85
11	Per capita		13.00	18.50	30.10	39.5	71.0	446.15

\* Including TNEB off take

\*\* Approximate

† Reduction due to conversion of operating voltage to 110 K.V. of one cct. of the Kalamasseri Kozhikode line.  
Source: Hydels, Vol.17 No.2, p.36.

TABLE 3.11

Trends in Per Capita Annual Consumption of  
Electricity in Kerala 1950-51 To 1970-71

Year	Consumption	
	Units	Index
1950-51	13.00	100.00
1956-57	18.50	142.30
1961-62	30.10	231.53
1965-66	44.57	342.83
1966-67	47.28	363.68
1967-68	60.50	465.37
1968-69	65.80	506.13
1969-70	68.40	526.13
1970-71	71.00	546.13

TABLE 3.12

Percentage Distribution of Consumption of Electricity in Kerala By Class of Consumers,  
1956-57 To 1970-71

Class of consumers	1956-57	1960-61	1965-66	1970-71
1	2	3	4	5
1. Domestic heat and small power	0.63	0.84	1.32a	5.24
2. Domestic light and fans	5.91	6.91	8.78a	
3. Commercial heat and small power and commercial light and small power.	0.35	0.27	1.65	4.25
4. Industrial power at low and medium voltage	9.37	7.99	9.86	7.22
5. Industrial power at high voltage	64.49	67.34	66.34	72.22
6. Public lighting	0.83	1.31	1.18	2.79
7. Agriculture and irrigation dewatering	3.58	3.62	3.20	2.65
8. Public water works and sewage pumping	2.30	1.43	1.05	0.56
9. Bulk supplied to distributing licencies	12.54	10.29	6.62	5.07
Total Consumption	100.00	100.00	100.00	100.00
Total consumption (in million K.W.H.)	299.29	505.61	749.73	1542.61
Index of total consumption (1956-57=100)	100.00	168.94	250.50	515.42

Source: State Planning Board and Bureau of Economics & Statistics, Kerala. Statistics for Planning series, No.4. Industries & Infrastructure, P.62

TABLE 3.13

Average Revenue per KWH of Electricity in Kerala by  
Categories of consumption 1970-71.

Category of consumption	Average net revenue per KWH (paise)
(1)	(2)
1 Domestic lights and fans and small power	38.44
2 Commercial	
a Light and fans	44.85
b Small power	20.62
3 Industrial	21.42
a Low and Medium voltage	3.60
b High voltage	26.46
4 Public Lighting	14.76
5 Irrigation-Agricultural dewatering	9.52
6 Public water works and sewage pumping	13.98
7 Other bulk supply	4.97
Average all categories	8.58

TABLE 3.14

Percentage Distribution of Revenue From Consumption of Power in Kerala  
By Category of Consumers, 1960-61 AND 1970-71

Category of consumers	1960-61	1970-71
1	2	3
1 Domestic consumers, commercial lights and fans and small power	39.50	35.4
2 Public lighting	11.40	4.4
3 Agricultural operations and water works	26.60	3.5
4 Small and medium industries (low tension supply)	6.10	13.1
5 Large and heavy industries (high tension supply)	4.90	25.4
6 Bulk supplies to licencies and neighbouring states	11.50	18.2
Total	100.00	100.00

TABLE 3.15

Trends in Production<sup>+</sup> of Building Materials in Kerala, 1957 to 1970

(Index Base: 1957=100)

Year	Commercial Plywood		Cement		Sanitary Wares	
	('000 sq.m)	Index	('000 M T)	Index	(M.T.)	Index
1	2	3	4	5	6	7
1957	110.6	100.0	4.1	100.00	17	100.00
1960	214.3	193.76	5.6	136.59	32	188.24
1965	213.6	193.13	3.6	87.80	69	405.88
1966	207.1	187.24	3.9	95.12	36	211.76
1967	207.3	187.43	4.2	102.44	14.4	84.71
1968	236.5	213.83	3.9	95.12	78.0	458.82
1969	194.2	175.59	4.2	102.44	42.2	248.24
1970	178.7	161.57	6.7	163.41	20.0	117.65

(1st quarter)

+ Monthly average

Source: Monthly Statistics of production of selected industries of India, C.S.O.

TABLE 3.16  
Trends in Average Daily Wage Rates of Skilled Labour\* in the Construction Sector in Kerala by Districts,  
1963-64 1969-70 in Rs.

District	Mason												
	Carpenter						Mason						13
	Rural			Urban			Rural			Urban			
1	2	3	4	5	6	7	8	9	10	11	12	13	
	1963-64	1969-70	% change over 63-64	1963-64	1969-70	% change over 63-64	1963-64	1969-70	% change over 63-64	1963-64	1969-70	% change over 63-64	1963-64
Trivandrum	4.00	7.90	97.50	4.58	8.40	83.41	4.50	8.18	81.78	4.66	8.13	74.46	
Quilon	4.25	8.60	102.35	4.52	8.84	95.58	4.00	8.30	107.50	4.04	9.45	133.91	
Alleppey	4.27	8.89	108.20	4.54	8.95	98.01	4.40	8.83	100.68	4.68	9.20	96.58	
Kottayam	4.37	8.88	103.20	4.39	9.05	106.15	4.39	8.85	101.59	4.75	9.50	100.00	
Ernakulam	4.86	8.23	69.34	4.93	7.63	54.77	4.73	8.27	74.84	4.74	8.51	79.54	
Trichur	5.22	8.16	56.32	5.62	8.12	44.48	4.19	8.35	99.28	5.32	8.74	64.29	
Palghat	4.59	6.07	32.24	5.82	6.87	18.04	4.59	6.15	33.96	4.66	6.77	45.27	
Kozhikode	4.83	8.38	73.50	4.92	8.95	81.91	4.89	8.94	82.82	5.19	8.64	66.47	
Gannanore	4.91	8.00	62.93	5.54	8.55	54.33	4.88	8.60	76.23	4.95	9.02	82.21	
Kerala Average	4.59	8.12	76.91	4.98	8.37	68.07	4.51	8.27	83.37	4.78	8.66	81.17	

\*Relates to I Class Labourers

TABLE 3.17

Trends in Average Daily Wage Rates of Unskilled Labour in the Construction Sector in Kerala by Districts  
(In Rs.)  
1963-64—1969-70

District	Women														
	Men						Rural						Urban		
	1963-64	1969-70	% change in 63-64	1963-64	1969-70	% change in 63-64	1963-64	1969-70	% change in 63-64	1963-64	1969-70	% change in 63-64	1963-64	1969-70	% change in 63-64
1	2	3	4	5	6	7	8	9	10	11	12	13			
Trivandrum	2.05	4.59	123.90	2.78	5.17	85.97	1.06	3.18	200.00	1.51	4.00	164.90			
Quilon	1.92	4.86	153.13	2.03	5.89	190.15	1.74	4.00	129.89	1.79	4.00	123.46			
Alleppey	2.61	6.05	131.80	2.73	5.97	118.68	2.43	4.25	74.90	2.27	4.25	87.22			
Kottayam	2.51	5.85	133.06	2.72	5.71	109.93	2.55	3.71	45.49	2.61	4.14	58.62			
Ernakulam	2.49	5.73	130.12	2.71	5.71	110.70	1.95	4.15	112.82	2.21	4.28	93.67			
Trichur	2.69	5.25	95.17	3.24	5.67	75.00	1.80	3.14	74.44	2.23	3.72	66.81			
Palghat	1.95	4.65	138.46	2.29	3.87	69.00	1.14	2.46	115.79	1.25	2.66	112.80			
Kozhikode	3.17	6.13	93.38	3.61	5.65	56.51	1.37	3.87	182.48	2.38	4.25	78.57			
Cannanore	3.39	6.30	85.84	4.28	6.10	42.52	1.57	3.70	135.66	2.36	4.03	70.76			
Kerala (Average)	2.53	5.49	117.00	2.93	5.52	88.40	1.73	3.61	108.67	2.07	3.92	89.37			





TABLE 4.3  
PERCENTAGE CHANGE IN AVERAGE DAILY EMPLOYMENT IN PLANTATIONS IN KERALA BY DISTRICTS, 1960-69

District	% change in 1969-70 over 1960-61 + or -											
	1960-61						1969-70					
	Tea	Coffee	Rubber	Total	Tea	Coffee	Rubber	Total	Tea	Coffee	Rubber	Total
1	2	3	4	5	6	7	8	9	10	11	12	13
Trivandrum	2164	...	4305	6469	2267	3	7960	10230	4.76	...	84.90	58.14
Quilon	4337	266	22616	27219	3734	302	32470	36506	-13.90	13.53	43.57	34.12
Alleppey	...	...	1502	1502	...	...	3387	3387	...	...	125.50	125.50
Kottayam	62353	1241	22561	86155	51886	4081	28948	84915	-16.79	228.84	28.31	-1.44
Ernakulam	151	54	8310	8515	305	173	13752	14230	101.99	220.37	63.49	67.12
Trichur	1249	...	8609	9859	1041	...	11425	12466	-16.65	...	32.71	26.46
Palghat	1687	4547	3497	9731	1737	8227	5974	15938	2.96	80.93	70.83	63.79
Malapuram	...	...	...	...	196	...	...	196	...	...	...	...
Kozhikode	8938	16244	10307	35489	9228	24051	15560	48839	3.24	48.06	50.97	37.62
Cannanore	2566	2008	7167	11741	2564	4503	10313	17380	-0.08	123.25	43.90	48.03
Kerala	83445	24360	88874	196679	72958	41340	129789	244087	-12.57	69.70	46.04	24.10

TABLE 4.4

INDEX NUMBERS OF INDUSTRIAL DISPUTES AND WORK STOPPAGES  
IN KERALA, 1960 To 1970 (Base: 1960=100)

Year	No. of disputes		Workers affected		Mandays lost	
	Number	Index	Number	Index	'000 Nos.	Index
1960	274	100.00	159067	100.00	470	100.00
1961	324	118.25	81318	51.12	442	94.04
1962	325	118.61	99284	62.42	2127	452.55
1963	132	48.18	32641	20.52	170	36.17
1964	200	72.99	102114	64.20	926	197.02
1965	195	71.17	151133	95.01	785	167.02
1966	289	105.47	106295	66.82	2287	486.60
1967	297	108.39	152053	95.59	2373	504.89
1968	291	106.20	214287	134.71	2467	524.89
1969	230	83.94	161220	101.35	1612	342.98
1970	273	99.64	73248	46.05	671	142.77

TABLE 4.5

Per Capita Average Daily Earnings of Employees in Registered Factories\* in Kerala  
(In Respect of Persons Earning Less than Rs.400 p.m.) by Selected Industries, 1960, 1965 & 1969

Sl. No.	Industries	(Rs.)		
		1960	1965	1969
1	2	3	4	5
	<b>ALL FACTORIES</b>	2.63	3.48	6.18
1	Rice mill	1.68	2.44	4.16
2	Sugar	σ 3.14	5.70	8.79
3	Edible oils	2.68	2.96	4.38
4	Tea factories	2.41	3.05	5.44
5	Cashew factories	1.25	1.83	3.23
6	Beedi	2.35	2.81	6.88
7	Cigar	1.33	2.75	σ 3.88
8	Cotton mills	3.13	4.43	6.60
9	Coir	2.63	3.67	7.26
10	Umbrellas	2.45	3.33	5.51
11	Saw mills	2.97	4.18	5.79
12	Plywood	2.65	4.02	7.09
13	Splints and Veneers	1.44	1.96	2.28
14	Furniture and fixtures	3.11	4.08	5.71
15	Paper and paper products	3.55	5.08	9.58
16	Printing and publishing	3.49	5.12	9.75
17	Tyres	3.87	8.19	6.58
18	Rubber factories including those in rubber plantations	2.80	3.42	6.97
19	Artificial manures	4.26	5.35	11.78
20	Pharmaceuticals	3.73	4.53	7.40
21	Matches	2.43	1.68	2.19
22	Soaps	7.77	11.45	13.77
23	Products of petroleum & coal σ2	11.53	10.07	8.18
24	Bricks and tiles	2.58	3.75	5.27
25	Glass and glass products	2.28	4.90	6.99
26	Pottery, China and earth enware	2.94	3.97	12.05
27	Metal products	3.13	4.45	10.13
28	General and jobbing engineering	4.93	5.68	7.54
29	Electrical machinery	3.94	5.11	10.30
30	Repair of motor vehicles	3.58	4.77	10.59
31	Electricity, gas and steam σ3	4.13	6.10	12.13
32	Water and sanitary services σ4	4.90	7.98	9.32
33	Personal services	3.17	4.41	5.38

σ3 relates to 1961 σ. Relates to 1963 σ1. relates of 1968 σ2 relates to 1959

\* Registered factories covered by the payment of wages act 1936

σ4 relates to 1962.

TABLE 4 . 6.

Index Numbers of Per Capita Average Daily Earnings of Employees in Registered Factories in Kerala (in Respect of persons Earning Less than Rs. 400 p.m.) by Selected Industries.

(Average per capita daily earnings in all factories = 100)

Sl. No.	Industry	1960	1965	1969
1	2	3	4	5
	All Factories	100.00	100.00	100.00
1	Rice mill	63.88	70.11	67.31
2	Sugar	a 119.39	163.79	142.23
3	Edible Oil	101.90	85.06	70.87
4	Tea factories	91.63	85.06	88.03
6	Cashew factories	47.53	52.59	52.27
6	Beedi	89.34	80.75	111.33
7	Cigar	50.57	79.02	a1 62.78
8	Cotton mills	119.01	127.30	106.80
9	Coir	100.00	105.46	117.48
10	Umbrellas	93.16	95.69	89.16
11	Saw mills	112.93	120.11	93.63
12	Plywood	100.76	115.52	114.72
13	Splints and veneers	54.75	56.32	36.89
14	Furniture and fixtures	118.25	117.24	92.39
15	Paper and Paper products	134.98	145.98	155.02
16	Printing and publishing	132.70	147.13	157.77
17	Tyres	147.15	235.34	106.47
18	Rubber factories including those in rubber plantations	106.46	98.28	112.78
19	Artificial manures	161.98	153.74	190.61
20	Pharmaceuticals	141.83	130.17	119.74
21	Matches	92.40	48.28	35.44
22	Soaps	295.44	329.02	222.82
23	Products of petroleum and coal	a2 438.40	289.37	132.36
24	Bricks and tiles	98.10	107.76	85.28
25	Glass and glass products	86.69	140.80	113.11
26	Pottery, China and Earthen wares	111.79	114.08	194.98
27	Metal products	119.01	127.87	163.92
28	General and jobbing engineering	187.45	163.22	123.62
29	Electrical machinery	149.81	146.84	166.67
30	Repair of motor vehicles	136.12	137.07	176.21
31	Electricity, gas & steam	a3 157.03	175.29	196.28
32	Water and sanitary services	a4 186.31	229.31	150.81
33	Personal services	120.53	126.72	87.05

a relates to 1963. a1, relates to 1968 a2, relates to 1959. a3, relates to 1961. a4, relates to 1962

**TABLE 4.7.**  
**Index Numbers of per Capita Average Daily Earnings of**  
**Employees in Registered Factories in Kerala (in\* Respect**  
**of Earnings Less than Rs. 400 p m.) By Selected**  
**Industries, 1960, 1965-1969**

(Base 1960=100)

Sl.No.	Industry	1960	1965	1969
1	2	3	4	5
	<b>ALL FACTORIES</b>	100.00	132.32	234.98
1	Rice mill	100.00	145.24	247.62
2	Sugar	100.00	181.53	279.94
3	Edible oils	100.00	110.45	163.43
4	Tea factories	100.00	126.56	225.73
5	Cashew factories	100.00	146.40	258.40
6	Beedi	100.00	119.57	292.77
7	Cigar	100.00	206.77 a1	291.73
8	Cotton mills	100.00	141.53	210.86
9	Coir	100.00	139.54	276.05
10	Umbrellas	100.00	135.92	224.90
11	Saw mills	100.00	140.74	194.95
12	Plywood	100.00	151.70	267.55
13	Splints & Veneers	100.00	136.11	158.32
14	Furniture & fixtures	100.00	131.18	183.58
15	Paper & paper products	100.00	143.10	269.86
16	Printing & Publishing	100.00	146.71	279.34
17	Tyre	100.00	211.63	170.03
18	Rubber factories including those in rubber plantations	100.00	122.14	248.93
19	Artificial manures	100.00	125.59	276.53
20	Pharmaceuticals	100.00	121.45	198.39
21	Matches	100.00	69.14	90.12
22	Soaps	100.00	147.36	177.22
23	Products of petroleum and coal	+100.00	87.34	70.95
24	Bricks and tiles	100.00	145.35	204.26
25	Glass and glass products	100.00	214.91	306.58
26	Pottery, China and earthenware	100.00	135.03	409.87
27	Metal products	100.00	142.17	323.64
28	General and Jobbing engineering	100.00	115.21	154.97
29	Electrical machinery	100.00	129.70	261.42
30	Repair of motor vehicles	100.00	133.24	304.19
31	Electricity gas and steam	+++100.00	147.70	293.70
32	Water and sanitary services	++100.00	162.86	190.20
33	Personal services	100.00	139.12	169.72

\* Registered factories covered by the payment of wages act 1936

Base: 1963 or relates to 1968 + Base: 1959. ++Base: 1962

+++Base 1961

**TABLE 4.8**  
TRENDS IN AVERAGE DAILY WAGE RATES OF  
FIELD LABOUR (MEN) IN KERALA BY DISTRICTS,  
1960-70

District	1960-61	1965-66	1970-71	% change in 1970-71 over 1960-61
1	2	3	4	5
Trivandrum	1.59	2.96	4.75	198.74
Quilon	1.80	2.92	4.47	148.33
Alleppey	1.78	3.14	5.43	205.06
Kottayam	1.71	2.93	5.04	194.74
Erankulam	...	4.01	5.83	*45.39
Trichur	1.97	3.21	5.62	185.28
Palghat	1.45	2.71	4.05	179.31
Kozhikode	2.05	3.18	4.39	114.15
Cannanore	2.48	3.70	6.23	151.21
KARALA	1.83	3.20	5.09	178.14

\* % change over 65-66

**TABLE 4.9**  
Average Monthly Wage Rates in Wholesale Trade in Kerala (Urban) by Districts,  
1963-64 and 1969-70.

District	Shop Assistants								
	1963-64			1969-70			% change over 1963-64		
	Foodgrain & provisions	Cloth	Metals & Metal products	Foodgrains & provisions	Cloth	Metals & Metal products	Foodgrains & provisions	Cloth	Metals & Metal products
1	2	3	4	5	6	7	8	9	10
Trivandrum	71.49	79.56	86.75	96.93	140.87	111.02	35.59	77.06	27.98
Quilon	90.83	74.51	65.85	125.21	108.25	118.39	37.85	45.28	79.79
Alleppey	71.94	104.30	90.72	156.94	179.23	140.68	118.15	71.84	55.07
Kottayam	80.43	126.57	110.76	127.13	195.12	183.75	58.06	54.16	65.90
Ernakulam	64.52	94.76	127.27	123.75	141.94	169.67	91.80	49.79	33.31
Trichur	63.71	86.07	104.81	126.25	195.94	166.75	98.16	127.65	59.10
Palghat	46.52	92.36	86.89	95.00	...	...	104.21	...	...
Kozhikode	75.72	99.32	45.86	149.30	198.95	...	97.17	100.31	...
Cannanore	83.77	91.54	62.13	127.65	121.74	...	52.38	32.99	...
Kerala	72.07	94.33	86.78	126.01	160.24	148.37	74.84	69.87	70.97

TABLE 4.9 (Contd.)

Average Monthly Wage Rates in Wholesale Trade in Kerala. (Urban) By Districts,  
1963-64 and 1969-70

(in Rs.)

District	Shop Attenders								
	1963-64			1969-70			% change over 1963-64		
	Foodgrains & Provisions	Cloth	Metal & Metal products	Foodgrains & Provisions	Cloth	Metal & Metal Products	Foodgrains & Provision	Cloth	Metal & Metal Products
11	12	13	14	15	16	17	18	19	
Trivandrum	46.95	58.01	49.67	68.54	102.62	91.57	45.99	76.90	84.36
Quilon	75.16	50.43	49.09	109.85	136.83	78.58	46.15	171.33	60.07
Alleppey	56.62	89.15	62.17	101.84	143.96	93.44	79.87	61.48	58.34
Kottayam	56.96	78.27	54.59	138.58	162.98	133.63	143.29	108.23	144.79
Ernakulam	87.59	64.61	71.85	113.73	119.57	135.25	29.84	85.06	88.24
Trichur	59.48	81.42	85.77	114.45	127.93	103.31	92.42	57.12	20.54
Palghat	48.86	66.65	66.22	91.42	117.12	91.18	87.11	75.72	37.69
Kozhikode	66.36	60.08	59.61	111.26	165.38	...	67.66	177.44	...
Cannanore	66.74	81.17	55.07	112.38	103.33	...	68.38	27.30	...
KERALA	62.75	69.96	61.56	106.89	131.08	104.56	70.34	87.36	69.85

TABLE 4.10.

Average Monthly Wage Rates in Retail Trade in Kerala (Urban) By Districts,  
1963-64 & 1969-70

(in Rs.)

District	Shop Assistants														
	1963-64					1969-70					% change over 1963-64				
	Foodgrains and Cloth Provisions		Stationery		Foodgrains and Cloth Provisions		Stationery		Foodgrains and Cloth Provision		Stationery				
1	2	3	4	5	6	7	8	9	10						
Trivandrum	57.67	49.52	38.66	94.08	96.32	88.25	63.14	94.51	128.27						
Quilon	55.88	88.18	76.81	116.66	103.00	116.54	108.77	16.81	51.73						
Alleppey	68.75	86.00	67.86	114.12	166.00	122.10	65.99	93.02	79.93						
Kottayam	72.63	93.45	79.02	124.34	123.70	123.38	71.20	32.37	56.14						
Ernakulam	91.21	89.15	78.06	124.39	155.00	138.83	36.38	29.56	77.85						
Trichur	53.00	83.33	68.84	113.02	142.50	...	122.68	71.01	...						
Palghat	61.72	96.44	74.50	...	...	...	...	...	...						
Kozhikode	62.25	107.70	79.37	120.57	158.92	127.37	93.69	47.56	60.48						
Cannanore	76.95	80.49	85.87	104.91	125.85	...	36.34	56.35	...						
KARALA	66.67	86.03	72.11	114.64	133.91	119.41	71.95	55.66	65.59						

TABLE 4.10 (Contd.)

Average Monthly Wage Rates in Retail Trade in Kerala (Urban) by Districts—Continued  
(in Rs.)

District	Shop Attenders								
	1963-64			1969-70			% change over 63-64		
	Food grains and Cloth provision		Stationery provisions	Foodgrains and Cloth provisions		Stationery provisions	Foodgrains and Cloth		Stationery
1	11	12	13	14	15	16*	17	18	19
Trivandrum	36.73	68.88	35.05	92.02	84.05	83.85	150.53	22.02	139.23
Quilon	33.22	45.61	52.66	58.66	79.16	92.92	76.58	73.56	76.45
Alleppey	51.23	64.48	52.85	90.52	124.51	127.69	76.69	93.25	141.61
Kottayam	54.60	64.77	52.39	104.93	103.77	115.55	92.18	60.21	120.56
Ernakulam	49.51	64.71	50.60	112.38	125.12	90.11	126.98	93.35	78.08
Trichur	59.25	58.13	50.31	103.71	108.17	123.75	75.04	86.08	145.97
Palghat	43.79	67.13	47.47	79.37	89.52	71.92	81.25	33.33	51.51
Kozhikode	66.33	67.87	68.02	91.88	103.52	....	38.52	52.53	...
Cannanore	46.49	73.50	56.68	77.62	...	...	66.96	...	...
KERALA	49.02	61.45	51.78	90.12	102.24	100.82	83.84	66.38	94.71

TABLE 4.11

Unemployed persons in Kerala on percentage of Labour force by Districts 1965

District	unemployed on percentage of labour force		
	Male	Female	Persons
1	2	3	4
1 Trivandrum	10.32	24.76	14.73
2 Quilon	7.11	17.93	10.14
3 Alleppey	8.53	14.11	10.41
4 Kottayam	5.69	9.97	6.80
5 Ernakulam	7.07	12.07	8.35
6 Trichur	8.22	18.31	11.98
7 Palghat	5.40	9.74	6.98
8 Kozhikode	8.41	10.91	8.96
9 Cannanore	3.01	3.73	3.17

Source: Survey of Employment and Unemployment, Kerala, 1965.



TABLE 4. 12

Variations in the Number of Applicants and Placements on the Live Register of Employment Exchanges in Kerala, 1961, 1965 AND 1971

(Index Base: 1961=100)

	as on 31-12-61		as on 1-12-65		as on 31-12-71	
	Number	Index	Number	Index	Number	Index
1 Number of exchange	9	100.0	9	100.00	10	111.11
2 Average monthly number of employees using the exchange	238	100.0	434	182.35	563	236.55
3 Number of vacancies notified during the period	22089	100.0	24744	112.02	21805	98.71
4 Number of Registrations during the Period	105885	100.0	140350	132.55	203208	191.91
5 Number of placements effected during the period	14526	100.0	18378	126.52	16537	113.84
6 Number of applicants on Live Register on the end of the period	140809	100.0	140592	99.85	367381	260.91
7 Total number of applicants on the Live Register during the period (5+6)	155335	100.0	158970	102.34	382918	247.15
8 Placements on % to total applicants on rolls (7)	9.35	...	11.56	...	4.31	...

Source Directorate Employment.

TABLE 4.13

GROWTH OF EDUCATED JOB SEEKERS IN KERALA, 1966 TO 1971

Reference period	Educational level																	
	S. S. L. C.				Pre-degree				Graduate				Post graduate & above				Total	
	Number	Index	% distri- bution	Number	Index	% distri- bution	Number	Index	% distri- bution	Number	Index	% distri- bution	Number	Index	% distri- bution	Number	Index	% distri- bution
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	88	88	
31-12-66	79261	100.0	91.94	2923	100.0	3.39	3581	100.0	4.15	445	100.0	0.52	86210	100.00	100.0	100.0	100.0	100.0
31-12-67	83616	105.49	90.27	3558	121.72	3.84	4822	134.66	5.21	631	141.80	0.68	92627	107.44	100.0	100.0	100.0	100.0
31-12-68	98487	112.90	89.67	3893	133.19	3.55	6615	184.72	6.02	832	186.97	0.76	109827	127.39	100.0	100.0	100.0	100.0
31-12-69	124469	157.03	86.78	6275	214.68	4.37	11002	307.23	7.67	1687	379.10	1.18	143433	166.38	100.0	100.0	100.0	100.0
31-12-70	151279	190.09	84.77	7469	255.53	4.19	17708	494.50	9.92	1994	448.09	1.12	178450	206.99	100.0	100.0	100.0	100.0
31-12-71	167814	211.72	83.46	10168	347.86	5.06	20841	581.99	10.36	2253	506.29	1.12	201076	233.24	100.0	100.0	100.0	100.0

Source: Directorate of Employment, Kerala

TABLE 4. 14

Percentage Distribution of Work Seekers in Kerala  
By Educational Level, 1966 To 1971

Period ending	Below SSLC	SSLC & above	Total
31-12-1966	45.14	54.86	100.00
31-12-1967	48.39	51.61	100.00
31-12-1968	45.60	54.40	100.00
31-12-1969	40.13	59.87	100.00
31-12-1970	39.25	60.75	100.00
31-12-1971	43.74	56.26	100.00

TABLE 4. 15

PERCENTAGE DISTRIBUTION OF EMPLOYMENT IN PUBLIC AND PRIVATE SECTORS IN  
KERALA, 1961 to 1971

(Index Base: 1961=100)

DATE OF Reference	Public Sector			Private Sector			Total		
	Number	Index	% age distribution	Number	Index	% age distribution	Number	Index	% age distribution
1	2	3	4	5	6	7	8	9	10
31-12-61	209423	100.00	38.81	330131	100.00	61.19	539554	100.00	100.00
31-12-62	228338	109.03	36.99	388982	117.83	63.01	617320	114.41	100.00
31-12-63	238544	113.91	37.06	405174	122.73	62.94	643718	119.31	100.00
31-12-64	249638	119.20	36.06	443583	134.37	63.94	692221	128.29	100.00
31-12-65	261892	125.05	36.27	460225	139.41	63.73	722117	133.84	100.00
31-12-66	261321	124.78	36.27	434562	131.63	63.73	695883	128.97	100.00
31-12-67	266366	127.19	38.48	425851	128.99	61.52	692217	128.29	100.00
31-12-68	279475	133.45	38.92	438672	132.88	61.08	718147	133.10	100.00
31-12-69	291082	138.99	40.49	427715	129.56	59.51	718797	133.22	100.00
31-12-70	293318	140.06	41.73	409562	124.06	58.27	702880	130.27	100.00
31-12-71	319926	152.77	44.06	406114	123.02	55.94	726040	134.56	100.00

Source: Directorate of Employment, Kerala

**TABLE 4 16**  
**Percentage Distribution of Employment in Different Branches of Public Sector in Kerala, 1961 to 1970**  
 (Index Base: 1961=100)

Date of reference	Central Government			State Government			Quasi Government			Local bodies			Total		
	Nos.	Index	% distribution	Nos.	Index	% distribution	Nos.	Index	% distribution	Nos.	Index	% distribution			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
31-12-61	33572	100.00	15.61	149586	100.00	69.54	23156	100.50	10.77	8782	100.00	4.08	215096	100.00	100.00
31-12-62	37093	110.00	16.25	157341	105.18	68.94	22556	97.41	9.88	11261	128.23	4.93	228251	106.12	100.00
31-12-63	40154	119.61	16.83	161998	108.30	67.91	26665	115.15	11.18	9727	110.76	4.08	238544	110.90	100.00
31-12-64	37948	113.03	15.20	165694	110.77	66.37	35238	152.18	14.12	10758	122.50	4.31	249638	116.06	100.00
31-12-65	40494	120.62	15.46	165128	110.39	63.06	44425	191.83	16.96	11845	134.88	4.52	261892	121.76	100.00
31-12-66	41944	124.94	16.05	161580	108.02	61.83	44218	190.96	16.92	13579	154.62	5.20	261321	121.49	100.00
31-12-67	42736	127.30	16.04	162884	108.89	61.15	47060	203.23	17.67	13686	155.84	5.14	266366	123.84	100.00
31-12-68	44689	133.11	15.99	167776	112.16	60.03	51736	223.42	18.51	15274	173.92	5.47	279475	129.93	100.00
31-12-69	46046	137.16	15.82	171443	114.61	58.90	56863	245.56	19.54	16730	190.50	5.74	291082	135.33	100.00
31-12-70	46008	137.04	15.69	172438	115.28	58.79	57913	250.10	19.74	16959	193.11	5.78	293318	136.37	100.00

Source: Directorate of Employment, Kerala

**TABLE 4.17**  
 Percentage Distribution of Work Seekers in Kerala By Districts, 1961, 1965, 1970 & 1971 (Index Base: 1961=100)

District	31-12-61			31-12-65			31-12-70			31-12-71		
	Number	Index	% distri- bution	Number	Index	% distri- bution	Number	Index	% distri- bution	Number	Index	% distri- bution
1	2	3	4	5	6	7	8	9	10	11	12	13
Trivandrum	31578	100.00	22.42	35905	113.70	25.54	70778	224.14	24.08	92112	291.70	25.08
Quilon	16779	100.00	11.92	17478	104.17	12.43	36450	217.24	12.41	40134	239.19	10.93
Alleppy	14783	100.00	10.50	12338	83.46	8.78	25638	173.43	8.73	26396	178.56	7.18
Kottayam	11978	100.00	8.51	12794	106.81	9.10	24260	202.54	8.26	28632	239.04	7.79
Ernakulam	28867	100.00	20.50	20143	69.78	14.33	47608	164.92	16.21	65443	226.71	17.81
Trichur	8568	100.00	6.08	10873	125.90	7.73	18323	213.85	6.24	24829	289.79	6.76
Palghat	6814	100.00	4.84	6751	99.08	4.80	13245	194.38	4.51	16384	240.45	4.46
Malappuram	...	...	...	...	...	...	11847	100.00	4.03	14611	123.33	3.98
Kozhikode	13377	100.00	9.50	16519	123.49	11.75	25316	189.25	8.62	31829	237.94	8.66
Cannanore	8065	100.00	5.73	7791	96.60	5.54	20289	251.57	6.91	27011	334.92	7.35
KERALA	140809	100.00	100.00	140592	99.85	100.00	293754	208.62	100.00	367381	260.91	100.00

Source:- Directorate of Employment.

**TABLE 4.18**  
**OCCUPATIONAL DISTRIBUTION OF APPLICANTS ON THE LIVE REGISTER OF EMPLOYMENT EXCHANGES**  
**IN KERALA, 1960, 1965 AND 1971**  
(Index Base: 1960=100)

Occupational Divisional	as on 30-9-60			as on 31-12-65			as on 21-12-71		
	No. of applicants	Index	% distri- bution	No. of applicants	Index	% distri- bution	No. of applicants	Index	% distri- bution
1	2	3	4	5	6	7	8	9	10
1 Professional Technical & related workers	10358	100.00	6.84	16342	157.77	11.62	31451	303.64	8.56
2 Administrative, executive & managerial workers	187	100.00	0.12	405	216.58	0.29	1353	723.53	0.37
3 Clerical and related workers	7439	100.00	4.91	11415	153.45	8.12	31675	425.80	8.62
4 Sales workers	69	100.00	0.05	35	50.72	0.02	115	166.67	0.03
5 Farmers, fishermen & related workers	1515	100.00	1.00	1868	123.29	1.33	1727	113.96	0.47
6 Miners, quarrymen and related workers	149	100.00	0.10	32	21.48	0.02	34	22.82	0.01
7 Workers in transport and communication occupation	2936	100.00	1.94	4176	142.23	2.97	9688	329.97	2.64
8 Craftsmen, production process workers and labourers N.E.C.	29717	100.00	19.63	11028	37.11	7.84	31668	106.57	8.62
9 Service sports and recreation workers	8626	100.00	5.70	8180	94.83	5.82	25056	290.47	6.82
10 Workers not elsewhere classified by occupation	90392	100.00	59.71	87111	96.37	61.97	234614	259.55	63.86
11 Total	151388	100.00	100.00	140592	92.87	100.00	367381	242.67	100.00

Source: Directorate of Employment.

TABLE 5.1

Trends in Kerala's Foreign Trade+, 1951-52 to 1969-70. (Indices Base: 1960-61=100)

Year	Foreign exports (Indices)	Foreign imports (Indices)	S D P (Indices)	Foreign exports as percent of foreign imports	Foreign exports as percent of S D P	Foreign imports as percent of S D P
1	2	3	4	5	6	7
1951-52	82.59	55.37	...	235.60	...	...
1955-56	81.22	57.73	...	222.23	...	...
1960-61	100.00	100.00	100.00	157.95	15.71	9.95
1961-62	103.75	93.09	109.40	176.04	14.90	8.46
1962-63	115.00	87.16	114.83	208.41	15.73	7.55
1963-64	112.83	109.25	122.92	163.13	14.42	8.84
1964-65	130.39	158.15	149.63	130.23	13.69	10.51
1965-66	129.17	165.92	176.47	122.97	11.50	9.35
1966-67	197.39	268.38	193.44	116.17	16.03	13.80
1967-68	227.10	307.04	233.88	116.83	15.25	13.06
1968-69	229.11	311.80	238.56	116.06	15.09	13.00
1969-70	239.76	277.96	...	136.25	...	...

+ Through the ports of Kerala

SDP = State Domestic Product (at current prices)

TABLE 5.2

LENGTH OF RAILWAYS PER 1000 Sq. K.M. OF AREA IN KERALA, DISTRICT

District	Area+ Sq Km.	WISE, 1969	
		Length of Railways++ K. M.	Railways per 1000 Sq K.M. of area (KM)
1	2	3	4
1 Trivandrum	2185.90	48	21.96
2 Quilon	4732.47	128	27.05
3 Alleppey	1833.83	54	29.45
4 Kottayam	6359.84	49	7.70
5 Ernakulam	3339.52	78	23.36
6 Trichur	2944.72	69	23.43
7 Palghat	5126.85	149	29.06
8 Kozhikode	6656.63	157	23.59
9 Cannanore	5675.28	137	24.14
Kerala	38855.04	896	23.06

Source: + Director, Survey and Land Records, Kerala

++ Divisional Managers, Olavakode and Madurai, Southern Railways. Includes Broad Gauge, Meter gauge and Mixed gauge. The District wise figures may not add upto totals as the length of Railways in each District is determined by the length up to the nearest Railway Station to the District Boundary.

**TABLE 5.3**  
**Percentage Distribution of Roads in Kerala By Districts, 1967-68**

District	Under public Works		Others		Total	
	Department					
	K.M.	%	K.M.	%	K.M.	%
1	2	3	4	5	6	7
Kerala	14353.25	100.00	3685.91	100.00	18037.16	100.00
Trivandrum	1736.17*	12.10	551.79	14.97	2287.96	12.68
Quilon	1876.37	13.07	240.43	6.52	2116.80	11.74
Alleppey	1200.54	8.36	218.80	5.94	1417.34	7.86
Kottayam	1528.81	10.65	410.74	11.14	1939.55	10.75
Ernakulam	2285.27	15.92	663.20	17.99	2948.47	16.35
Trichur	1189.57	8.29	368.32	9.99	1557.89	8.64
Palghat	1237.18	8.62	635.72	17.25	1872.90	10.38
Kozhikode	1650.32	11.50	397.84	10.79	2048.16	11.36
Cannanore	1649.02	11.49	199.07	5.41	1848.09	10.24

\*112.50 K.M. of Urban Roads transferred to Trivandrum Corporation and 157.53 K.M. of Roads transferred to Panchayat Departments. Roads maintained by Panchayats and C. D./N.E.S. Blocks are not included in this table.

Source: State planning Board & B.E.S. Statistics for Planning  
 Series No. 4, Industries & Infrastructure - Page 77.



**TABLE 5.4**

Trends in Operational Results of the Kerala Road Transport Corporation: 1963-64 to 1970-71  
(Index Base: 1963-64=100)

Sl. No.	Item	Unit	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
1	2	3	4	5	6	7	8	9	10	11
1	Number of Routes	Nos.	547	570	618	716	887	962	1151	1294
		Index	100.00	104.21	112.98	130.90	162.16	175.87	210.43	236.57
2	Route K.M.	K.M.	18761	19506	20473	25098	31293	38319	46722	51189
		Index	100.00	103.97	109.13	133.78	166.80	204.25	249.04	272.85
3	Gross K.M. operated	Lakh K.M.	593.82	608.61	641.86	697.42	789.21	896.60	1041.43	1060.67
		Index	100.00	102.49	108.09	117.45	132.90	150.99	175.38	178.62
4	Passengers carried	Lakh Nos.	1204.98	1399.06	1585.30	1891.57	2210.62	2555.94	2927.41	3106.41
		Index	100.00	116.11	131.56	156.98	183.46	212.11	242.94	257.80
5	Revenue earnings	Rs. lakhs	476.90	553.88	631.21	741.95	887.97	1017.77	1166.58	1225.24
		Index	100.00	116.14	132.36	155.58	186.20	213.41	244.68	256.92
6	Revenue Expenditure	Rs. Lakhs	374.63	445.21	501.24	569.13	738.49	1029.93	1095.73	1134.40
		Index	100.00	118.84	133.80	151.92	202.46	274.92	292.48	302.81
7	Net margin	Rs. lakhs	57.55	64.75	89.56	127.47	75.49	-76.24	-5.81	-0.27
		Index	100.00	112.51	155.62	221.39	131.17	-132.47	-10.10	-0.47
8	Net surplus	Rs Lakhs	26.72	22.17	16.55	24.80	-4.09	-153.11	-62.87	-125.64
		Index	100.00	82.97	61.94	92.81	-15.31	-573.02	-235.29	-470.21
9	Net capital employed (as on the last day of the year)	Rs. Lakhs	494.34	496.89	571.89	621.89	676.89	843.70	1015.38	1167.72
		Index	100.00	100.52	115.69	128.80	136.93	170.61	205.40	236.22
10	Net margin as % of net capital	%	11.6	13.0	15.7	20.5	11.1	-9.0	0.60	-0.02
		Index	100.00	112.07	135.34	176.72	95.69	-77.59	-51.72	-1.72

Source: State Planning Board and Bureau of Economics & Statistics  
Statistics for Planning series No. 4. Industries & Infrastructure P. P. 73-76.

TABLE 5.5

Operational Ratios of the Kerala Road Transport Corporation, 1963-64 to 1970-71  
(Index Base: 1963-64 = 100)

Year	Average route distance		Average distance travelled by a passenger		Average earnings per passenger		Average earnings per vehicle on road per day	
	K.M.	Index	K.M.	Index	Ps.	Index	Rs.	Index
1	2	3	4	5	6	7	8	9
1963-64	31.7	100.00	12.5	100.00	37.5	100.00	N.A.	...
1964-65	32.2	101.58	12.6	100.80	36.8	98.13	N.A.	...
1965-66	33.1	104.42	12.5	100.00	37.0	98.67	229.00	100.00
1966-67	33.4	105.36	12.5	100.00	36.6	98.67	246.00	107.42
1967-68	34.8	109.78	12.7	101.60	37.5	100.00	261.00	113.97
1968-69	38.1	120.19	12.7	101.60	37.6	100.27	262.00	114.41
1969-70	40.6	128.08	12.7	101.60	37.9	101.07	277.00	120.96
1970-71	39.6	124.92	12.8	102.40	38.0	101.33	273.00	119.21

Source: State Planning Board and Bureau of Economics & Statistics, Statistics for Planning Series No. 4, Industries & Infrastructure - P.P. 73, 74 & 75.

TABLE 5.6

Vehicle Utilisation Ratios of Kerala Road Transport Corporation 1966-67

Details	
1	Vehicles in scheduled service as % to total fleet of buses 84.4
2	Traffic spares under repairs as % to total fleet of buses 15.6
3	Vehicles Utilisation (KM/Bus) 69,699
4	Operating ratio 87.8

Source: Indian Transport Statistics, 1969, Ministry of Shipping and Transport.

**TABLE 5.7**  
**Cost of Operation per Effective Vehicle/Kilometre of**  
**the K.S.R.T.C. 1966-67**  
 (in paise)

Details	Kerala	All India +
1	2	3
1		
Cost of personal	26.58	29.54
(a) Administration	1.32	3.49
(b) Traffic	18.47	19.70
(c) Maintenance and repairs	6.79	6.35
2		
Cost of materials	37.50	41.64
(a) Fuel	19.50	21.01
(b) Lubricants	1.35	1.85
(c) Tyres and Tubes	7.62	9.15
(d) Ballence	0.55	0.53
(e) Stores spare and other consumables	7.98	8.75
(f) Tickets and ticket equipments	0.50	0.35
3		
Depreciation	6.47	12.59
(a) Vehicle	5.60	11.67
(b) Other assets	0.87	0.92
4		
Overhead costs	22.38	28.35
(a) Rents, ratesm taxes and insurance	13.45	15.78
(b) Welfare, superannuation	2.52	2.58
(c) General contingencies	0.67	1.66
(d) Miscellaneous	0.63	3.58
(e) Interest on capital	5.11	4.75
Total (1 to 4)	92.93	112.12

+average of all State Transport Undertakings and relate in most cases to 1967-68.

Source: Indian Transport Statistics, 1969, Ministry of Shipping and Transport.

TABLE 5.8

Growth of Post and Telegraph activities in Kerala  
1966-67 and 1970-71

Details	1966-67	1970-71	Percentage change
1	2	3	4
1 Number of post offices	3467	3859	+11.31
2 Number of combined Telegraph Offices	614	692	+12.70
3 Number of letter boxes	10483	10270	-2.03
4 Number of Telephone connection	30357	37968	+25.07
5 Number of Telephone Exchange	178	205	+15.17
6 Number of Public Call office	705	936	+32.77
7 Number of Radio licence	188175	285224	+51.57

Source: P.M.G. Kerala Circle.

TABLE 6.1

Literacy rates in Kerala by Districts, 1961 and 1971  
(Percent to total population)

State/District	1961			1971		
	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7
Kerala	46.85	54.97	38.90	60.42	66.24	54.31
Gannanore	41.29	51.96	30.38	54.84	63.20	46.62
Kozhikode	44.88	56.29	33.38	57.23	65.82	48.56
Malappuram	34.29	42.96	26.09	47.90	55.32	40.78
Palghat	33.69	41.81	26.14	46.69	54.58	39.22
Trichur	48.16	54.94	41.96	61.61	66.35	57.23
Ernakulam	50.58	57.80	43.33	65.29	70.34	60.15
Kottayam	56.56	62.40	50.51	67.72	71.77	63.59
Alleppey	56.90	63.84	50.15	70.44	75.22	65.79
Quilon	50.49	57.76	43.18	64.97	70.16	59.84
Trivandrum	45.30	53.30	37.34	62.54	68.84	56.48

Source: Census of India 1971, Kerala, paper 1 of 1971, p. 30-31.

TABLE 6.2

Teacher Pupil Ratios on General Education in Kerala,  
1956-57 to 1970-71

Year	Primary Education	Secondary Education	College Educa- tion
1	2	3	4
1956-57	...		17.20
1960-61	...		15.70
1963-64	33.57	35.92	18.30
1964-65	34.21	36.20	27.00
✓1965-66	34.71	27.80	...
1966-67	35.20	26.00	...
1967-68	35.00	27.00	...
1968-69	44.00	28.00	...
1969-70	36.00	28.00	...
✓1970-71	36.00	26.00	...

Source: State Planning Board & Bureau of Economics & Statistics, Kerala, 1971, Statistics for Planning series 6, Social Services.

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70-71

75-76

80-81

TABLE 6.3

Trends in Government Expenditure on General School  
Education in Kerala 1961-62 to 1971-72

(Index Base: 1961-62=100)

Year	Rs. (in crores)	Index
1961-62	16.83	100
1962-63	17.11	102
1963-64	18.46	110
1964-65	19.88	118
1965-66	25.23	150
1966-67	29.33	174
1967-68	36.66	213
1968-69	42.21	251
1969-70	49.07	292
1970-71 (Revised estimate)	51.41	305
1971-72 (Budget estimate)	56.51	336

TABLE 6.4

Trends in cost per pupil and per capita Government expenditure on Education in Kerala, 1963-64 to 1970-71

(Index=Base: 1963-64=100)

Year	Cost per pupil on education				Per capita Government expenditure on education	
	Primary		Secondary		Rs.	Index
	Rs.	Index	Rs.	Index		
1963-64	29.39	100.00	73.67	100.00	11.56	100.00
1964-65	38.63	131.44	76.82	104.28	12.35	106.83
1965-66	40.80	138.82	90.37	122.67	14.83	128.29
1966-67	53.35	181.52	103.66	140.71	17.49	151.30
1967-68	65.07	221.40	114.43	155.33	20.61	178.29
1968-69	72.97	248.28	118.07	160.27	22.92	198.27
1969-70	82.38	280.30	163.40	221.80	26.08	225.61
1970-71	80.65	274.41	175.80	238.63	27.45	237.46

Source: State Planning Board and Bureau of Economics and Statistics, Kerala 1971 Statistics for planning, Series 6, Social Services

TABLE 6.5

Percentage Distribution Enrolment in Colleges in Kerala According to Faculties 1956-57 to 1965-66

Percentage to total enrolment (General, Professional and Special Education)

Year	Arts	Science	Commerce	Education	Engineering & Technology	Medicine	Agriculture	Veterinary Science	Law	Others	Total
1	2	3	4	5	6	7	8	9	10	11	12
1956-57	22.34	62.02	3.73	2.64	1.35	1.47	0.44	0.42	1.88	3.71	100.00
1957-58	20.07	61.02	3.99	4.30	1.66	1.60	0.62	0.67	1.14	4.93	100.00
1958-59	15.43	67.45	4.19	3.82	2.22	1.70	0.61	0.74	0.89	2.95	100.00
1959-60	13.12	68.37	4.59	4.01	3.05	2.30	0.62	0.87	0.80	2.27	100.00
1960-61	11.86	68.50	4.35	4.59	3.50	2.55	0.48	0.81	0.99	2.37	100.00
1961-62	10.91	68.47	4.33	4.25	5.54	2.69	0.43	0.60	0.82	1.96	100.00
1962-63	12.95	60.41	4.90	4.81	7.02	3.39	0.48	0.57	1.07	4.40	100.00
1963-64	11.50	68.54	3.91	3.54	5.72	2.70	0.33	0.35	0.68	2.73	100.00
1964-65	9.02	78.69	2.80	1.95	3.39	1.80	0.19	0.18	0.44	1.54	100.00
1965-66	7.00	84.15	2.08	1.34	2.38	1.56	0.13	0.12	0.30	0.94	100.00

TABLE 6.6

Wastage in School Education in Kerala 1956-57 to 1966-67

Year	Lower Primary				Upper Primary				Secondary			
	Percentage enrolment in class II to IV to the enrolment in Class I in the corresponding cohort year.				Percentage enrolment in class V to VII to the enrolment in class IV in the corresponding cohort year.				Percentage enrolment in class VIII to X to the enrolment in class VII in the corresponding cohort year.			
	I	II	III	IV	IV	V	VI	VII	VII	VIII	IX	X
1956-57	100	...	...	...	100	...	...	...	100	...	...	...
1957-58	100	87	...	...	100	84	...	...	100	84	...	...
1958-59	100	86	79	...	100	87	63	...	100	89	63	...
1959-60	100	87	77	75	100	93	67	48	100	80	65	50
1960-61	100	89	77	70	100	86	72	75	100	76	59	47
1961-62	100	89	83	73	100	81	67	68	100	88	58	45
1962-63	100	86	82	79	100	83	73	64	100	90	65	40
1963-64	100	90	79	77	100	83	70	64	100	91	71	42
1964-65	100	88	85	76	100	82	72	62	100	91	71	50
1965-66	100	90	82	79	100	81	71	64	100	89	78	59
1966-67	100	90	83	77	100	81	69	62	100	90	78	58

TABLE 6.7

Difference Between Percentage Enrolment of Scheduled Caste Children to Total Enrolment and Percentage Population of Scheduled Castes in Kerala, 1964-65.

Details	Percent (+ or -)
1. Scheduled caste population as % to total population	8.4
2. Percentage difference in enrolment of scheduled caste children (+ or -)	...
a. Primary/Junior Basic	+2.2
b. Middle/Senior Basic	+0.8
c. High/Higher secondary	-0.4
d. Higher education	-4.7

Source- Commissioner for scheduled caste and scheduled tribes as reproduced in Economics and Political weekly Vol. VII No. 4 Page 169.

TABLE 6.8

Trends in Book Production in Malayalam, 1965 & 69

Details	1965	1969	% increase 1965-69
1	2	3	4
1. Number of titles produced in Malayalam	355	551	55.21
2. Number of titles produced in all languages in (including India English)	11526	13733	19.15
3. Item (1) as % to item (2)	3.1	4.0	...
4. Book production (titles) in India as % to world production	2.9	2.8	...

Source:- UNESCO, Statistical Year Book (various issues as reproduced in Commerce, April 1, 1972.



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**TABLE 6.9**  
Rates and Ratios on Library Movement in Kerala by Districts, 1970-71

District	Membership			Average mem		Average No.		Library grant		Building grant	
	book ratio	membership per registered library	of books per registered library	Average grant per registered library (Rs)	Average grant per benefitted library	Libraries receiving grant as % registered libraries.	Average grant per library benefitted (Rs.)	Libraries receiving grant as % to-registered libraries.			
	2	3	4	5	6	7	8	9			
Trivandrum	10.4	225	2354	310	368	84.2	1925	1.63			
Quilon	8.3	217	1796	275	334	82.4	2419	0.84			
Alleppey	11.1	228	2519	331	397	83.2	3313	36.1			
Kottayam	12.3	206	2529	287	371	77.4	2866	1.06			
Ernakulam	13.3	209	2735	309	380	81.3	8443	0.51			
Trichur	9.9	182	1814	294	364	80.7	2156	1.29			
Palghat	10.9	149	1625	193	304	63.5	...	...			
Malappuram	10.4	153	1581	220	291	75.8	...	...			
Kozhikode	9.9	148	1463	216	306	70.5	900	0.48			
Cannanore	9.5	156	1490	203	275	74.1	1664	0.77			
STATE	10.6	195	2067	273	347	78.6	2896	1.13			

Source: Grandhasala Sanghom, Kerala.

TABLE 6.10

Percentage Distribution of Registered Libraries in Kerala by District 1970-71

District	Libraries and reading rooms		Membership		Books	
	Numbers	% distribution	Numbers	% distribution	Numbers	% distribution
1	2	3	4	5	6	7
1. Trivandrum	367	11.23	82706	13.00	863761	12.78
2. Quilon	477	14.59	103611	16.29	856493	12.67
3. Alleppey	370	11.32	84176	13.23	932117	13.79
4. Kottayam	380	11.62	78347	12.32	960848	14.22
5. Ernakulam	396	12.11	82902	13.03	1102905	16.32
6. Trichur	311	9.51	56744	8.92	564144	8.35
7. Palghat	178	5.45	26524	4.17	289320	4.28
8. Malappuram	190	5.82	29020	4.56	300476	4.45
9. Kozhikode	210	6.42	31160	4.91	307151	4.54
10 Cannanore	390	11.93	60897	9.57	581008	8.60
STATE	3269	100.00	636087	100.00	6758223	100.00

TABLE 6.11

Percentage Distribution of Library Grants in Kerala by Districts, 1970-71

District	Library grants				Building grants			
	Number of Libraries benefitted		Amount		Number of Libraries benefitted		Amount	
	Numbers	% distribution	Rs.	% distribution	Numbers	% distribution	Rs.	% distribution
1	2	3	4	5	7	7	8	9
Trivandrum	309	12.02	113660	12.76	6	16.22	11547	10.78
1 Quilon	393	15.29	131205	14.71	4	10.81	9677	9.03
3 Alleppey	308	11.98	122395	13.74	13	35.14	43067	40.19
4 Kottayam	294	11.44	109180	12.25	4	10.81	11464	10.70
5 Ernakulam	322	12.51	122405	13.74	2	5.40	16886	15.76
6 Trichur	251	9.76	91390	10.26	4	10.81	8622	8.05
7 Palghat	113	4.40	34305	3.85	...	...	...	...
8 Malappuram	144	5.60	41865	4.70	...	...	...	...
9. Kozhikode	148	5.76	45340	5.09	1	2.70	900	0.83
10 Cannanore	289	11.24	79335	8.90	3	8.11	4992	4.66
RTATE	2571	100.00	891080	100.00	37	100.00	107155	100.00

TABLE 6.12

Registered Birth and Death Rates in Kerala,  
1965 to 1968

Year	Birth rate	Death rate
1956	20.3	7.4
1960	23.9	6.9
1965	18.7	5.3
1966	22.5	7.6
1967	20.7	7.3
1968	20.8	4.7

Source: Bureau of Economics & Statistics, Kerala

TABLE 6.13

Registered Birth Rates in Kerala by Districts,  
1960, 1965 & 1968

District	1960	1965	1968
Kerala	23.92	22.32	20.89
Trivandrum	25.59	20.26	21.98
Quilon	24.96	24.31	21.42
Alleppey	22.06	21.57	20.79
Kottayam	28.07	24.63	22.57
Ernakulam	21.24	24.74	22.12
Trichur	17.14	16.67	16.96
Palghat	22.92	18.30	16.93
Kozhikode	24.26	22.21	21.50
Cannanore	29.75	27.49	23.08

Source: Bureau of Economics & Statistics, Kerala

TABLE 6.14

Registered Death Rates in Kerala by Districts,  
1960, 1965 and 1968

District	1960	1965	1968
Kerala	6.94	5.25	4.66
Trivandrum	6.02	4.38	4.06
Quilon	5.40	4.99	4.29
Alleppey	6.29	5.80	5.03
Kottavam	6.71	5.13	4.43
Ernakulam	5.05	4.96	3.91
Trichur	4.47	3.44	2.91
Palghat	9.18	5.85	5.51
Kozhikode	8.83	5.59	5.70
Cannanore	9.85	6.85	5.02

Source: Bureau of Economics and Statistics, Kerala.

TABLE 6.15

## Doctor-Population Ratio in Kerala 1970-71

Medical system	Doctors (nos.)	Doctor-population ratio*
1	2	3
1 Modern medicin	5516	3858
2 Homeopathy	2362	9009
3 Ayurveda	9575	2222
4 Sidha	1295	16,432
5 Unani	56	3,80,000
Total 1970-71	18804	1132
Total 1969-70	18563	1120

\* Number of persons served by a Doctor

Source: Number Doctors: Economic Review Kerala  
1971p. 71Population: State planning Board and Bureau  
of Economics and Statistics for Planning  
series 7, Income and consumption p.32.

TABLE 6.16

Population Bed Ratios in Kerala by Districts, 1960-61, 1965-66 and 1970-71  
 (Number of beds per lakh of population)  
 (Index Average for Kerala=100)

District	1960-61		1965-66		1970-71	
	Number of beds	Index	Number of beds	Index	Number of beds	Index
1	2	3	4	5	6	7
Trivandrum	180	233.77	207	211.22	200	196.08
Quilon	42	54.55	52	53.06	55	53.92
Alleppey	89	115.58	112	114.29	123	120.59
Kottayam	44	57.14	67	68.37	86	84.31
Eruakulam	91	118.18	117	119.39	108	105.88
Trichur	119	154.55	157	160.20	139	136.27
Palghat	42	54.55	52	53.06	59	57.84
Kozhikode	55	71.43	77	78.57	145	142.16
Cannanore	50	64.94	60	61.22	61	59.80
Malappuram	...	...	....	...	38	37.25
Kerala	77	100.00	98	100.00	102	100.00

Source: Data on number of beds in 1960-61 and 1965-66 - Economic Review, Kerala 1968-P, 193 and for 1970-71 Economic Review 1971 p.69.

**TABLE 6.17**  
**Percentage Distribution of Medical Facilities in Kerala by Districts, 1970-71+**

Sl. No.	District	Hospitals										Secondary Health Centres										Primary Health Centres										Dispensaries									
		Institutions		Beds		Institutions		Beds		Institutions		Beds		Institutions		Beds		Institutions		Beds		Institutions		Beds		Institutions		Beds													
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%												
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
	KERALA	107	100.00	17640	100.00	1	100.00	122	100.00	162	100.00	1338	100.00	241	100.00	1122	100.00																								
1	Trivandrum	15	14.02	3715	21.06	1	100.00	122	100.00	18	11.11	176	13.15	20	8.30	74	6.60																								
2	Quilon	9	8.41	928	5.26	...	...	...	...	19	11.73	204	15.25	23	9.54	102	9.09																								
3	Alleppy	10	9.35	2094	11.87	...	...	...	...	20	12.35	188	14.05	22	9.13	105	9.36																								
4	Kottayam	12	11.21	1482	8.40	...	...	...	...	17	10.49	181	13.53	25	10.37	128	11.41																								
5	Ernakulam	13	12.15	1898	10.76	...	...	...	...	19	11.73	168	12.56	29	12.04	191	17.02																								
6	Trichur	17	15.89	2559	14.51	...	...	...	...	18	11.11	134	10.01	20	8.30	55	4.90																								
7	Palaghat	9	8.41	721	4.09	...	...	...	...	11	6.79	69	5.16	31	12.86	151	13.46																								
8	Malappuram	6	5.61	493	2.79	...	...	...	...	12	7.41	84	6.23	19	7.88	70	6.24																								
9	Kozhicode	7	6.54	2513	14.25	...	...	...	...	15	9.26	78	5.82	15	6.23	100	8.91																								
10	Cannanore	9	8.41	1237	7.01	...	...	...	...	13	8.02	56	4.19	37	15.36	146	13.01																								

+ as on 31-3-1971

Source:- Statistics for Planning Series 6. Social services 1972

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**TABLE 6.18**  
Growth of Medical & Public Health Institutions in Kerala,  
1950-51 — 1970-71

Year	1950-51	1970-71	% increase
1	2	3	4
No. of Hospitals	56	112	100
No. of Dispensaries, T. B. Clinics and other private grant in aid institution	125	279*	107
No. of Primary Health Centres	6	162	2600
Total number of Beds in all the institutions above	6752	21777**	223

\* Grant in aid Institutions: 15

\*\* Beds. Grant in aid Institutions 1283

**TABLE 6.19**  
Plan Outlay and Expenditure on Medical and Public Health Services in Kerala as percent to total Plan Outlay  
(Rs. in lakhs)

Period	Plan Outlay	% to total Plan outlay	Actual Expenditure	% of Expenditure to Plan Outlay
1	2	3	4	5
I Plan 1951-56	192.00	6.39	258.96	135.00
II nd Plan 1956-61	847.74	9.74	655.46	77.32
IIIrd Plan 1961-66	1350.00	7.94	1588.49	117.63
3 Annual Plans 1966-67 to				
1968-69	477.45	3.48	495.02	103.68
IV Plan 1969-74	1050.00	4.06	518.00*	49.33*

\* Expenditure for 1969.70 and 70-71 only.

TABLE 6.20

## Per capita Expenditure on Health Services in Kerala,

Year	1962-63 to 1970-71.	
	Per capita Expenditure (Rs.)	Index
1962-63	3.67	100.0
1964-65	5.14	140.05
1965-66	4.49	122.34
1966-67	5.28	143.87
1967-68	5.93	161.58
1968-69	6.82	185.83
1969-70	6.96	189.65
1970-71	7.61	207.36

Source- 1. Economic Review, Kerala, 1963 and 64  
2. Statistics for Planning series 6, p 59.

TABLE 7.1

## Public Sector outlay in Kerala (Central and State) actual expenditure as percentage to total plan provision.

Heads of Development	First Plan	Second Plan	Third Plan	Annual Plans
	(1951-56)	(1956-61)	(1961-66)	(1966-69)
1	2	3	4	5
1. Agriculture and community development	80	97	102	113
2. Irrigation and power	104	97	115	110
3. Industry and Mining	56	126	110	103
4. Transport and Communication	104	91	142	97
5. Social services and Miscellaneous	99	82	99	83
Total	95	97	114	101

Source- Statistics for planning series, 8  
Plan expenditure in Kerala 1972 P. 53



TABLE 7.2

Central Assistance to State Plans as Percent to State Plan Expenditure

(Rs. crores)

Five year plan	State Plan	Central Assistance			Central Assistance as
	Expen-	Grants	Loans	Total	percent to State plan
1	2	3	4	5	6
First Plan	25.89	...	...	10.30	39.8
Second Plan	80.22	8.60	25.80	34.40	42.9
Third Plan	182.31	19.10	103.90	123.00	67.5
Annual plans	144.37	27.69	70.53	98.22	68.0
Fourth plan					
1969-70	44.79	12.03	22.57	34.60	77.2
1970-71	59.17	13.02	22.09	35.11	59.3 ✓
1971-72	65.15	15.40	24.35	39.75	61.0
(Revised estimates)					
1972-73	64.26	18.03	23.62	41.65	64.8
(Budget estimates)					

Source: State Planning Board, Statistics for planning, Series 8 plan expenditure in Kerala p.51.

TABLE 7.3

PERCENTAGE DISTRIBUTION OF PLAN EXPENDITURE IN KERALA BY HEADS OF DEVELOPMENT, 1951-52-1971-72.

Head of Development	Expenditure (Rs. crores)	Percentage distribution
1	2	3
1. Agricultural Programmes	94.40	15.6
2. Community development and Co-operation	28.70	4.7
3. Irrigation and power	251.52	41.7
4. Industry and Mining	46.91	7.8
5. Transport and communications	49.67	8.2
6. Social Services	128.27	21.3
7. Miscellaneous	2.43	0.7
Total State Plan	601.90	100.0

Source:- State Planning Board, Statistics for planning, series 8, Plan expenditure in Kerala p.1.

TABLE 7.4

Percentage Distribution of Plan Expenditure in Kerala  
By Heads of Development Plan-wise

Head of Development	I plan	II plan	III plan	Annual plans	IV plan first 3 years
(1)	(2)	(3)	(4)	(5)	(6)
1. Agricultural Programmes	9.6	9.8	14.2	22.8	14.9
2. Community development and Co-operation	....	6.8	6.0	4.2	3.7
3. Irrigation and power	60.8	40.8	41.9	37.7	42.8
4. Industry and Mining	2.0	7.5	7.9	9.2	7.5
5. Transport and Communication	12.7	9.0	6.5	7.4	9.8
6. Social services	14.9	25.2	22.9	18.4	21.2
7. Miscellaneous	....	0.9	0.6	0.3	0.1
Total State plan	100.00	100.00	100.00	100.00	100.00
Total State Plan (Rs. laksh)	2589.28	8021.78	18231.01	14437.37	16912.15
Total State Plan Expenditure-Index	100.00	309.81	704.10	557.58	653.16
Per capita expenditure (Rs)	17.75	48.89	99.12	71.34	79.74
Per capita expenditure-Index	100.00	275.44	558.43	401.92	449.24

Source: State planning Board, Statistics for planning, Series 8  
plan Expenditure in Kerala. p.2

TABLE 7.5  
Trends in State and Per Capita Plan Expenditure in Kerala,  
1951-52 to 1971-72

Index 1956-57=100)

Year	Total Expenditure		Per capita expenditure	
	Rs. Lakhs	Index	Rs.	Index
1	2	3	4	5
<b>First plan</b> (1951-56)	2589.28	...	17.75	...
1956-57	990.72	100.00	6.31	100.00
1957-58	1340.05	135.26	8.33	132.01
1958-59	1719.42	173.55	10.43	165.29
1959-60	1746.64	176.30	10.34	163.87
1960-61	2224.95	224.58	13.16	208.56
<b>Second plan</b> (1956-61)	8021.78	...	48.89	...
1961-62	2625.50	265.01	15.14	239.94
1962-63	2967.41	299.52	16.68	264.34
1963-64	3524.54	355.76	19.31	306.02
1964-65	4003.20	404.07	21.38	338.83
1965-66	5110.36	515.82	26.61	421.71
<b>Third plan</b> (1961-66)	18231.01	...	99.12	...
1961-66	4493.46	453.55	22.80	361.33
1967-68	4857.06	490.76	24.02	380.67
1968-69	5086.85	513.45	24.52	388.59
<b>Annual plans</b> (1966-69)	14437.37	...	71.34	...
1969-70	4479.56	452.15	22.09	350.08
1970-71	5917.08	597.25	27.81	440.73
1971-72	6515.51	657.65	29.84	472.90
<b>Fourth plan</b> (3 years)	16912.15	...	78.74	...

Source: State Planning Board, Statistics for planning, series 8  
plan expenditure in Kerala, p.52.

Per capita plan  
1970-71  
1975-76  
1980-81  
81-82

TABLE 7.6

Trends in Revenue Receipts in Kerala, 1957-58 to 1972-73  
(Percentage Distribution)

Details	1957-58	1961-62	1965-66	1970-71	1972-73 B.E.
1	2	3	4	5	6
1. Taxes and duties	55.75	55.16	61.10	65.14	65.26
i Share of Central Taxes	13.56	11.85	14.13	20.04	21.65
ii State Taxes and Duties	42.19	43.51	46.97	45.08	44.81
2. Non Tax Revenue	44.25	44.64	38.90	34.86	34.74
i Interest receipts	3.24	3.04	3.34	3.24	2.94
ii Other non tax revenue	41.01	41.60	35.65	31.62	31.79
3. Total Revenue	100.00	100.00	100.00	100.00	100.00
Index numbers					
1. Taxes and duties	100.00	167.00	286.00	559.00	711.00
2. Non Tax revenue	100.00	170.00	229.00	377.00	477.00
3. Total Revenue	100.00	168.00	261.00	478.00	607.00

Source: Table 4 of Kerala Budgets in Brief 1972-73.

TABLE 7.7

Percentage Distribution of Trends in Tax Revenue  
In Kerala, 1957-58 to 1972-73

	1957-58	1961-62	1965-66	1970-71	1972-73 B.E.
1. Share of Central Taxes	24.3	21.4	23.1	30.6	31.4
2. State Taxes & duties	75.7	78.6	76.9	69.4	68.6
3. Total Tax Revenue	100.00	100.00	100.0	100.0	100.0

B. E. Budget estimates

Source: Table 6 of Kerala in Brief 1972-63

TABLE 7.8

State Share of Central Taxes-Percentage Distribution  
Under Different items, 1957-58 to 1972-73

Item	1957-58	1961-62	1965-66	1970-71	1972-73 B.E.
1. Income Tax	63.2	54.2	37.7	44.9	4.27
2. Estate Duty	3.5	2.6	2.4	0.8	0.7
3. Union Excise Duty	33.3	43.2	59.9	54.3	56.6
Total share of central Taxes	100.0	100.0	100.0	100.0	100.0

Source: Table 8 of Kerala Budget in Brief 1972-73

7.7.6 7.9

TABLE 7.9

Trends in State Taxes and Duties in Kerala, 1957-58 to 1972-73  
(Percentage distribution)

(Index Base: 1957-58=100)					
	1957-58	1961-62	1965-66	1970-71	1972-73
1	2	3	4	5	6
1 Land Revenue	9.10	6.86	6.87	1.69	3.98
2 Taxes on Agricultural Income	13.77	10.68	5.91	4.82	3.95
3 State Excise duties	16.26	14.20	12.99	14.72	12.83
4 Stamp Duty	8.50	7.47	9.70	7.94	7.03
5 Registration fees	2.63	2.08	1.63	1.81	1.70
6 Taxes on vehicles	11.59	11.64	10.76	10.03	9.88
7 Sales Tax	37.02	45.85	47.46	55.05	52.94
8 Other Taxes & Duties	1.13	1.22	4.68	3.94	7.69
Total State Taxes	100.00	100.00	100.00	100.00	100.00
Index	100	173	290	512	645

Source: Table 10 of Kerala Budget in Brief 1972-73.

TABLE 7.10

Trends in Revenue Expenditure in Kerala, 1957-58 to  
1972-73 (Percentage distribution)  
(Index Base: 1957-58=100)

	1957-58	1961-62	1965-66	1970-71	1972-73 BE
1	2	3	4	5	6
1. Development Expenditure	69.34	73.91	71.75	68.8	67.8
2. Non-Development Expenditure	30.66	26.04	28.25	31.2	32.2
3. Total	100.00	100.00	100.00	100.00	100.00
Index total Revenue Expenditure	100	180	249	493	638

Source: Table 13 of Kerala Budget in Brief, 1972-73

TABLE 7.11

Indices of Total Expenditure (Revenue & Capital on  
Development Services in Kerala, 1957-58 to 1972-73  
(Base 1957-58=100)

	1957-58	1961-62	1965-66	1970-71	1972-73
	1	2	3	4	5
1 Social Services	100	179.46	276.07	574.98	716.56
a) Capital	100	70.00	99.23	340.00	519.23
b) Revenue	100	190.82	294.41	599.36	737.03
2 Economic Services	100	180.40	207.61	344.60	431.11
a) Capital	100	158.22	200.47	311.11	343.82
b) Revenue	100	194.17	212.05	365.40	485.33
3 Total (1+2)	100	179.97	238.64	449.03	560.50
a) Capital	100	143.30	183.35	315.99	373.47
b) Revenue	100	192.33	257.27	493.86	623.53

Source: Table 32 of Kerala Budget in Brief 1972-73.

TABLE 7.12

Percentage Distribution of Total Expenditure (Revenue and Capital)  
on Development Services in Kerala, 1957-58 to 1972-73

	1957-58	1961-62	1965-66	1970-71	1972-73
	1	2	3	4	6
1 Social Services	45.33	45.20	52.44	58.04	57.95
a) Capital	16.91	8.26	9.15	18.19	23.50
b) Revenue	54.91	54.48	62.83	66.64	64.90
2 Economic services	54.67	54.80	47.56	41.96	42.05
a) Capital	83.09	91.74	90.85	81.81	76.50
b) Revenue	45.09	45.52	37.17	33.36	35.10
3 Total (1+2)	100	100	100	100	100
a) Capital	100	100	100	100	100
b) Revenue	100	100	100	100	100

Source: Table 32 of Kerala Budget in Brief 1972-73.

TABLE 7.13

Percentage Distribution of Development Expenditure in Kerala by Heads of Development, 1957-58 to 1972-73

(Index Base: 1957-58=100)

Head of Development	1957-58	1961-62	1965-66	1970-71	1972-73
	(A)	(A)	(A)	(A)	BE
1	2	3	4	5	6
1 Social and Development Services	75.50	74.09	85.88	83.85	85.38
a) Education	43.69	42.26	48.34	53.32	50.26
b) Medical, Public Health & Family Planning	11.22	12.21	14.51	13.32	14.64
c) Agriculture, Animal Husbandary, Co-operation and Rural Development	7.06	6.27	11.43	8.60	10.65
d) Community Development and Miscellaneous Social and Deve- lopment Organisations etc. & Scientific Departments'	6.78	8.32	9.27	6.72	7.50
e) Industries, Labour & Employment	6.75	5.03	2.35	1.89	2.33
2 Irrigation	2.80	3.05	3.63	4.15	3.20
3 Public works	9.86	11.88	6.69	7.72	6.97
4 Forest	3.42	2.83	2.54	2.48	2.75
5 Transport and Communications (other than Roads)	8.42	7.56	0.17	0.42	0.48
6 Others * ...	...	0.59	1.09	1.38	1.27
7 Total	100.00	100.00	100.00	100.00	100.00
Index	100.00	192.00	257.00	493.00	623.00

A - Accounts

BE- Budget estimates.

\* This includes expenditure on (1) collection of taxes and duties (2) Administrative Services (3) Pension and other retirement/benefits and (4) Miscellaneous items. Though these needs are of a non development nature, certain items of development nature included under the plan like (i) Preparation of land records (ii) preparation of records of rights (iii) Survey of unsurveyed areas and (iv) some miscellaneous schemes come under this.

Source: Table 14 of Kerala Budget in Brief 1972-73

TABLE 7.14  
Percentage Distribution of Non Developmental Revenue Expenditure  
in Kerala, 1957-58 to 1972-73

(Index Base: 1957-58=100)

Head of Account	1957-58	1961-62	1965-66	1970-71	1972-73 B.E.
1	2	3	4	5	6
1. Collection of Taxes, Duties etc.,	12.98	11.38	10.64	10.01	9.11
2. Interest charges	17.94	23.17	33.56	31.29	30.76
3. Appropriation for reduction or avoidance of debt.	1.98	2.27	2.34	5.75	4.94
4. Administrative services	42.92	29.68	34.65	31.72	26.43
5. Territorial and political pensions, privy purses to former rulers, superannu- ation allowances etc.	10.70	10.74	10.86	10.78	9.50
6. Famine Relief	0.30	1.49	0.69	0.99	0.31
7. Miscellaneous compensation and assignments	1.78	2.01	0.69	0.82	1.19
8. Others	11.40	9.26	6.57	8.64	17.76
Total	100.00	100.00	100.00	100.00	100.00
Index	100.00	153.00	229.00	506.00	671.00

Source: Table 18, Kerala Budget in Brief 1972-73.



**TABLE 7.15**  
**Percentage Distribution of Capital Outlay in Kerala Headwise,**  
**1957-58 to 1972-73**  
 (Index Base: 1957-58=100)

Head	1957-58	1961-62	1965-66	1970-71	A1972-73 B.E.
1	2	3	4	5	6
<b>I Capital outlay under Development</b>					
Schemes (Distribution)	100.00	100.00	100.00	100.00	100.00
1) Irrigation	26.92	20.24	30.43	26.99	22.32
2) Public Health	16.91	8.26	9.15	18.18	23.51
3) Agriculture	0.26	2.71	0.71	2.44	1.11
4) Industries	8.06	13.16	18.51	12.38	19.02
5) Public Works	42.13	51.09	31.28	36.87	27.23
6) Other Works	0.39	1.09	1.56	0.53	1.95
7) Posts	...	0.36	3.55	0.53	1.63
8) Road and Water Transport Schemes	5.20	3.09	0.28	0.25	0.14
9) Forests	0.13	Neg	4.53	1.73	3.09
<b>II Index number of</b>					
1) Capital Outlay under Development					
Schemes	100.00	143.30	183.35	315.99	373.47
2) Non Development Schemes	100.00	92.00	234.67	-118.67	194.67
3) Total (1) and (2)	100.00	138.74	187.91	277.37	357.58

Source: Table 25 of Kerala Budget in Brief 1972-73.

**TABLE 8.1**  
Credit deposit ratios of Scheduled Commercial Banks in  
Kerala, 1969

Details	Kerala	India
1	2	3
I. Banks		
(2) No. of banks	23	440
(3) No. of Bank offices	592	8826
(4) Population per bank office (*000)	41	61
II. Deposits		
(1) Total deposits (Rs. lakhs)	15272	514837
(2) Percentage distribution of deposits	3.0	100.0
(3) Per capita deposits (Rs.)	73.4	95.8
III. Credit		
(1) Total credit (Rs. lakhs)	10514	371670
(2) Percentage distribution of credit	2.8	100.0
(3) Per capita bank credit	50.5	69.2
(4) * credit deposit ratio %	68.8	72.2

\* Excludes bills purchased and discounted  
Source: Reserve Bank of India.

**TABLE 8.2**  
Credit Deposit ratios in Public Sector Banks and all  
Scheduled Commercial Banks in Kerala, 1971<sup>a</sup>

Details	Kerala	India	Col. 2 as % to col. 3
1	2	3	4
I. Deposits in			
1 Public Sector Banks (Rs. lakhs)	11824	416829	2.84
2 All scheduled commercial Banks (Rs. lakhs)	15657	511899	3.06
II. Advances by -			
1 Public sector Banks (Rs. lakhs)	9887	353401	2.80
2 All scheduled commercial banks (Rs. lakhs)	12636	419783	3.00
III. * Credit deposit ratios (%)			
1 Public sector Banks	83.6	84.8	...
1 All Scheduled commercial bank	80.7	82.0	...

\* Excludes Bills purchased and discounted.  
<sup>a</sup> as on March 1971.

TABLE 8.3

Credit Deposit Ratios of New Offices + of Scheduled Commercial Banks in Kerala 1971a

Details	Kerala	India	Col.(2) as % to col. (3)
1	2	3	4
I Deposits (Rs. lakhs)			
a Rural Offices	391.5	5054.2	7.75
b Urban Offices	319.0	10920.5	2.92
Total	710.5	15974.7	4.45
II Advance (Rs. lakhs)			
a Rural Offices	997.3	3658.7	26.70
b Urban Offices	344.7	5853.2	5.89
Total	1322.0	9511.9	13.90
III ++ Credit deposit ratios (%)			
a Rural Offices	254.7	72.4	...
b Urban Office	108.1	53.6	...
Total	186.1	59.5	...

+ Offices opened between July 1969 and March 1971

++ Excludes bills purchased and discounted. a as on March 1971

Source- Reserve Bank of India.

TABLE 8.4

Non Scheduled Commercial Banks in Kerala, 1969.

Details	Kerala	India
1	2	3
1 No. of non-scheduled commercial Banks	5	14
2 No. of bank offices	130	181
3 Percentage distribution of Banks	35.7	100.0
4 Percentage distribution of Bank offices	71.8	100.0

Source.- Reserve Bank of India

(Pocket Book of Indian Statistics 1972-73 Syndicate Bank Page 43.)

TABLE 8.5

Trends in Advances of Scheduled Commercial Banks to Small Scale Industries and Transport Operators in Kerala 1968-1971

Details	June 1968	March 1971	% age in- crease
1	2	2	3
<b>I Small Scale Industries</b>			
1a) Number of Units	1965	6075	209.2
b) Percentage to all India totals	5.0	5.9	...
2a) Limit in force (Rs. lakhs)	3021.9	5427.2	79.6
b) Percentage to all India totals	8.0	6.3	...
3a) Balance outstanding (Rs. lakhs)	1880.7	2659.0	41.4
b) Percentage to all India totals	9.8	5.4	...
<b>II Road and water Transport Operators.</b>			
1a) Number of Units	82	972	1085.4
b) Percentage to all India totals	5.2	4.2	...
2a) Limit in force (Rs. lakhs)	37.3	245.7	558.7
b) Percentage to all India totals	5.7	3.8	...
3a) Balance outstanding (Rs. lakhs)	29.5	165.8	462.0
b) Percentage to all India totals	6.4	3.5	...

Source:- Reserve Bank of India.

TABLE 8.6

Trends in the Working Results of the Kerala Financial Corporation,  
1954-55 to 1970-71

(Index Base: 1954-55=100)

Year	Loan sanctioned (cumulative)		Loan disbursed (cumulative)		Loan outstanding (cumulative)		Net profit before taxation Rs. lakhs
	Rs. Lakhs	Index	Rs. Lakhs	Index	Rs. Lakhs	Index	
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
1954-55	37.15	100.00	33.90	100.00	33.90	100.00	3.70
1955-56	80.40	216.42	62.29	183.75	61.88	182.54	4.34
1956-57	114.72	380.80	87.23	257.32	83.90	247.49	4.89
1957-58	120.99	325.68	98.11	289.41	89.19	263.10	4.86
1958-59	159.46	429.23	133.32	393.27	118.50	349.56	5.25
1959-60	179.98	484.47	150.44	443.78	127.08	374.87	5.51
1960-61	215.35	579.68	172.97	510.24	138.38	408.20	5.32
1961-62	228.71	615.64	197.94	583.89	146.55	432.30	5.32
1962-63	281.71	650.33	229.78	677.32	162.04	478.00	5.06
1963-64	303.91	818.06	265.75	783.92	171.56	506.08	5.08
1964-65	310.28	835.21	288.15	850.00	175.70	518.29	5.92
1965-66	438.63	1180.70	333.09	982.57	195.41	576.43	7.25
1966-67	532.70	1433.92	391.64	1155.28	230.37	679.56	7.64
1967-68	614.05	1652.89	470.09	1386.70	289.51	854.01	8.66
1968-69	705.41	1898.82	571.24	1685.07	378.94	1117.82	9.45
1969-70	812.23	2186.35	687.33	2027.52	488.78	1441.83	8.27
1970-71	1013.15	2727.19	818.75	2415.19	600.85	1772.42	9.95

Source: State Planning Board and Bureau of Economics and Statistics,  
Statistics for Planning, Industries and Infrastructure' p.29.

TABLE 8.7

Trend in Agency Loans Issued by the Kerala Financial Corporation, 1960-61 to 1970-71  
(Index Base: 1960-61=100)

Year	Loans Sactioned (Cumulative)		Loans disbursed (Cumulative)		Loans outstanding (Cumulative)	
	Rs lakhs	Index	Rs. lakhs	Index	Rs. lakhs	Index
1	2	3	4	5	6	7
1960-61	16.48	100.0	6.95	100.0	6.95	100.0
1961-62	36.07	218.9	19.55	281.3	19.18	276.0
1962-63	40.24	244.2	30.54	439.4	29.04	417.8
1963-64	50.26	305.0	40.54	583.3	34.33	494.0
1964-65	56.18	340.9	48.45	697.1	36.10	519.4
1965-66	74.00	449.0	64.45	927.3	44.17	635.5
1966-67	89.98	446.0	79.43	1142.9	52.00	748.2
1967-68	119.29	723.8	95.67	1376.5	59.40	854.7
1968-69	147.40	894.4	123.64	1779.0	79.10	1138.1
1969-70	168.53	1022.7	161.15	2318.7	99.61	1433.2
1970-71	182.40	1106.8	169.14	2433.7	108.12	1555.7

Source: Kerala Financial Corporation - 18th Annual Report 1970-71.

TABLE 8.8

Trends in Industrial Assistance Sanctioned by the Kerala,  
State Industrial Development Corporation

1962-63 to 1970-71

(Index Base: 1962-63=100)

Year	Industrial assistance sanctioned during year.		Industrial assistance sanctioned (Cumulative)	
	Rs. lakhs	Index	Rs. lakhs	Index
	1	2	3	4
1962-63	129.46	100.0	129.46	100.0
1963-64	132.55	102.2	261.81	202.2
1964-65	103.30	79.8	365.11	282.0
1965-66	138.02	106.6	503.13	388.6
1966-67	135.30	104.5	638.43	493.2
1967-68	168.81	130.4	807.24	623.5
1968-69	80.59	62.3	887.83	685.8
1969-70	116.26	89.8	1004.09	775.6
1970-71	111.02	85.8	1115.11	861.4

TABLE 8.9

Trends in Small Savings Collection in Kerala 1957-58 to  
1970-71.

Year	Rs. lakhs (Gross)	Index
1	2	3
1957-58	469.47	100.0
1960-61	879.07	187.3
1965-66	1291.69	275.1
1970-71	1614.79	344.0

Source: National Savings Organisation  
Stat. Hand Book of Kerala 1970  
Dist. Ssat. Handbook 1970-71.

TABLE 8.10

Trends in Loans Issued by Primary Co-operative Credit Societies  
In Kerala 1960-70 (Rs.000)

Details	1960-61	1970-71	Percentage change
1 Agricultural credit societies	51490	316137	513.9
2 Non agricultural credit societies	23310	84326	261.8
Total	64800	400463	518.0



PART II INDIA

PART II INDIA

TABLE -1.1

Area Population, Literacy and Urbanisation in India by States, 1971.

STATE	Area in	Population	Literacy percentage		Urban population
	Sq. kms. ( <sup>'000s</sup> )	Million	Males	Females	as-percent of total population.
1	2	3	4	5	6
Andhra Pradesh	277	48.5	33.3	15.6	19.3
Assam	180	15.0	37.7	18.9	8.4
Bihar	174	56.4	30.6	8.5	10.0
Gujarat	196	26.7	46.2	24.6	28.1
Haryana	44	10.0	37.2	14.7	17.8
Himachal Pradesh	56	3.5	42.3	20.0	7.1
Jammu and Kashmir	222 <sup>a</sup>	4.6	26.4	9.1	18.3
Kerala	39	21.3	66.5	53.9	16.3
Madhya Pradesh	444	41.7	32.8	10.8	16.3
Maharashtra	308	50.4	51.3	26.0	31.2
Mysore	192	29.3	41.9	20.8	24.3
Nagaland	17	0.5	34.4	19.2	9.9
Orissa	156	21.9	38.5	13.8	8.3
Punjab	50	13.6	40.1	25.7	23.8
Rajasthan	342	24.8	28.4	8.3	17.6
Tamil Nadu	130	41.2	51.7	26.8	30.3
Uttar Pradesh	294	88.3	31.8	10.2	14.0
West Bengal	88	44.3	42.8	22.1	24.6
All India (including Union Territories)	3200 <sup>**</sup>	547.9	39.5	18.4	19.9

<sup>a</sup> Includes area under illegal occupation of Pakistan and China.<sup>\*\*</sup> Excludes area of NEFA.

TABLE 1.2

Percentage Distribution of Population, Sex Ratio, Growth Rate and Density of Population In India by State, 1961 and 1971

Sl. No.	India/State	Population 1971 % distri- bution	Sex ratio i.e., females per 1000 males.		Density of population per Sq.km.		Decennial growth rate of popu- lation.	
			1961	1971	1961	1971	1961	1971
1	2	3	4	5	6	7	8	9
	INDIA	100.00	941	932	138	182**	+1.64	+24.66
	<u>States</u>							
1.	Andra Pradesh	7.93	981	977	131	157	+15.65	+20.60
2.	Assam	2.73	871	901	112	130	+35.06	+34.37
3.	Bihar	10.29	994	956	268	324	+19.77	+21.25
4.	Gujarat	4.88	940	936	112	136	+26.88	+29.34
5.	Haryana	1.82	868	875	172	225	+33.79	+3.136
6.	Himachal Pradesh	0.63	938	974	51	62	+17.87	+21.76
7.	Jammu and Kashmir	0.84	878	882	...	...	+9.44	+29.60
8.	Kerala	3.89	1022	1019	435	548	+24.76	+25.89
9.	Madhya Pradesh	7.61	953	943	74	94	+24.17	+28.67
10.	Maharashtra	90.20	936	932	129	164	+23.60	+27.56
11.	Mysore	5.35	959	959	123	153	+21.57	+24.07
12.	Nagaland	0.09	932	872	22	31	+14.07	+39.64
13.	Orissa	4.01	1001	989	113	141	+19.82	+24.07
14.	Punjab	2.46	854	873	221	268	+21.55	+21.01
15.	Rajasthan	4.70	908	914	59	75	+26.20	+27.63
16.	Tamilnad	7.51	992	978	229	316	+11.85	+22.01
17.	Uttar Pradesh	16.14	909	883	250	300	+16.66	+19.82
18.	West Bengal	8.12	878	892	394	507	+32.80	+27.24

\*\* Excluding Jammu and Kashmir and North East Frontier agency.

TABLE 1.3  
POPULATION GROWTH IN INDIA By STATES, 1961-71

STATE	Percentage of urban population to total population.			Growth rate, 1961-71		
	1961	1971	Increase in urban population in 1971 over 1961 (% points)	Of total population	Of rural population	Of urban population
1	2	3	4	5	6	7
Andhra pradesh	17.44	19.35	+1.91	20.60	17.81	33.81
Assam	7.37	8.39	+1.02	34.37	32.88	53.03
Bihar	8.43	10.04	+1.61	21.26	19.13	44.45
Gujarat	25.77	28.13	+2.36	29.34	25.22	41.20
Haryana	17.23	17.78	+0.55	31.36	30.48	35.61
Himachal pradesh	6.34	7.06	+0.72	21.76	28.82	35.34
Jammu & Kashmir	16.66	18.26	+1.60	29.60	27.12	42.04
Kerala	15.11	16.28	+1.17	25.89	24.15	35.68
Madhyapradesh	14.29	16.26	+1.97	28.66	25.72	46.31
Maharashtra	28.22	31.20	+2.98	27.26	21.98	40.68
Mysore	22.33	24.31	+1.98	24.07	20.90	35.09
Nagaland	5.19	9.91	+4.72	39.64	32.70	166.59
Orissa	6.32	8.27	+1.95	24.99	22.39	63.52
Punjab	23.06	23.80	+0.74	21.00	19.82	24.92
Rajasthan	16.28	17.61	+1.33	27.63	25.61	38.03
Tamil Nadu	26.69	30.28	+3.59	22.01	16.03	38.44
Uttarpradesh	12.85	14.00	+1.15	19.82	18.25	30.47
West Bengal	25.45	24.59	+0.14	27.24	27.01	27.95
Total	17.98	19.87	+1.89	24.66	21.78	37.83

TABLE 1.4

Decadal Variation in Population in India by States, 1901 to 1971

Sl. No.	India/State	% decadal variation*					% Over all growth rate			
		1901-1911	1911-1921	1921-1931	1931-1941	1941-1951	1951-1961	1961-1971		
1	2	3	4	5	6	7	8	9	10	
	India	+5.57	- 0.30	+11.00	+14.23	+13.31	+11.64	+24.66	+129.49	
	States									
1	Andhra Pradesh	+12.49	- 0.13	+12.99	+12.75	+14.02	+15.65	+20.60	+127.60	
2	Assam	+16.85	+20.17	+20.13	+20.49	+20.10	+35.06	+34.37	+340.13	
3	Bihar	+ 3.67	- 0.66	+11.45	+12.20	+10.27	+19.77	+21.26	+106.44	
4	Gujarat	+ 7.79	+ 3.79	+12.92	+14.25	+18.69	+26.88	+27.34	+193.15	
5	Haryana	- 9.70	+ 1.95	+ 7.14	+15.63	+ 7.60	+33.79	+31.36	+115.68	
6	Himachal Pradesh	- 1.22	+ 1.65	+ 5.23	+11.54	+ 5.42	+17.87	+21.76	+ 78.32	
7	Jammu & Kashmir	+ 7.16	+ 5.75	+10.14	+10.36	+10.42	+9.44	+29.60	+115.73	
8	Kerala	+11.75	+ 9.16	+21.85	+16.04	+22.82	+24.76	+25.89	+232.70	
9	Madhya Pradesh	+15.30	- 1.38	+11.39	+12.34	+ 8.67	+24.17	+28.66	+145.84	
10	Maharashtra	+10.74	- 2.91	+14.91	+11.99	+19.27	+23.60	+27.26	+159.36	
11	Mysore	+3.60	- 1.09	+9.38	+11.09	+19.36	+21.57	+24.07	+123.86	
12	Nagaland	+ 46.76	+ 6.55	+12.62	+6.04	+ 8.60	+14.07	+39.64	+407.69	
13	Orissa	+10.44	+ 1.94	+11.94	+10.22	+ 6.38	+19.82	+24.99	+112.90	
14	Punjab	+10.78	+ 6.26	+12.02	+19.82	- 4.58	+21.56	+21.00	+ 78.57	
15	Rajasthan	+6.70	-6.29	+14.14	+18.01	+15.20	+26.20	+27.63	+149.89	
16	Tamilnadu	+8.57	+ 3.47	+8.52	+11.91	+14.66	+11.85	+22.01	+113.49	
17	Uttar Pradesh	+0.97	- 3.08	+6.66	+13.57	+11.82	+16.66	+19.82	+ 81.59	
18	West Bengal	+6.25	- 2.91	+8.14	+22.93	+13.22	+32.80	+27.24	+162.34	

\*The decade variations have been worked out on absolute figures.

TABLE 1.5

COMMUNITY WISE GROWTH OF POPULATION IN INDIA 1951-1971

Community	Year	Percent of total Population	Change in proportion (percent)	Decadal growth rate (percent)	Annual growth rate (percent)
1	2	3	4	5	6
Hindus	1951	84.98	...	...	...
	1961	83.51	-1.74	20.29	1.86
	1971	82.72	-0.93	23.69	2.15
Muslims	1951	9.91	...	...	...
	1961	10.70	+7.97	25.61	2.31
	1971	11.21	+4.77	30.85	2.73
Sikhs	1951	1.74	...	...	...
	1961	1.79	+2.87	25.13	2.27
	1971	1.89	+5.59	32.28	2.84
Christians	1951	2.35	...	...	...
	1961	2.44	+3.83	27.38	2.45
	1971	2.60	+6.56	32.60	2.86
Janes	1951	0.45	...	...	...
	1961	0.46	+2.22	22.17	2.27
	1971	0.47	+2.17	28.48	2.54

TABLE 1.6

Percentage Distribution of Urban and Rural Population in India by States, 1961 and 1971.

STATE	Percentage of urban population to total population.			Population growth rate, 1'61-71 (%)	
	1961	1971	Total	Rural	Urban
(1)	(2)	(3)	(4)	(5)	(6)
All India	17.98	19.87	+24.66	+21.78	37.83
Andhra Pradesh	17.44	19.35	+20.60	+17.81	33.81
Assam	7.37	8.39	+34.37	+32.88	53.03
Bihar	8.43	10.04	+21.25	+19.13	44.45
Gujarat	25.77	28.13	+29.34	+25.22	41.20
Haryana	17.23	17.78	+31.36	+30.48	35.54
Himachal Pradesh	6.34	7.06	+21.76	+20.82	35.54
Jammu & Kashmir	16.66	18.26	+19.60	+27.12	42.04
Kerala	15.11	16.28	+25.89	+24.15	35.68
Madhya Pradesh	14.29	16.26	+28.66	+25.72	46.31
Maharashtra	28.22	31.20	+27.26	+21.98	40.68
Mysore	22.33	24.31	+24.07	+20.90	35.09
Nagaland	5.19	9.91	+39.64	+32.70	166.59
Orissa	6.32	8.27	+24.99	+22.39	63.52
Punjab	23.06	23.80	+21.00	+19.82	24.92
Rajasthan	16.28	17.61	+27.63	+15.16	38.03
Tamil Nadu	26.69	30.28	+22.01	+16.03	38.44
Uttar Pradesh	12.85	14.00	+19.82	+18.25	30.47
West Bengal	24.45	24.59	+27.01	+27.01	27.95

Source: Census of India, 1971 (provisional)

TABLE 1.7

TREND OF URBANISATION IN INDIA, 1901-71

Census year	Percentage of urban population to total population	Percentage of population in each size class of towns to total urban population.					
		Class I	Class II	Class III	Class IV	Class V	Class VI
1901	10.85	22.93	11.84	16.50	22.06	20.38	6.29
1911	10.29	24.19	10.90	17.69	20.46	19.81	6.95
1921	11.18	25.31	12.43	16.89	18.91	19.03	7.43
1931	12.00	27.37	11.95	18.76	18.97	17.32	5.63
1941	13.86	35.40	11.77	17.71	16.29	15.38	3.45
1951	17.30	41.77	11.06	16.73	14.02	13.20	3.22
1961	17.98	48.37	11.89	18.53	13.03	7.23	0.95
1971	19.87	52.41	12.15	17.36	+12.04	5.24	0.80

Source: Census of India, 1971.



TABLE 1.8

Working Population as Percent of Total Population in India by States,  
1961 and 1971.

(in lakhs)

India/State Union Territory	Total workers	Cultivators	Agricultural labourers	Other workers	% of workers to total population	
					1961	1971
1	2	3	4	5	6	7
India	1836.05	787.07	473.05	575.94	42.98	33.54
Andhra Pradesh	180.87	58.29	67.63	54.94	51.87	41.68
Assam	42.81	24.15	4.00	14.66	42.65	28.61
Bihar	180.03	76.25	68.44	35.29	41.40	31.96
Gujarat	84.29	36.25	18.59	29.44	41.07	31.58
Haryana	26.43	13.03	4.29	9.11	37.92	26.51
Himachal Pradesh	12.61	9.03	0.54	3.04	58.90	36.82
Jammu & Kashmir	13.85	8.87	0.43	4.55	42.79	30.01
Kerala	61.53	11.04	18.88	31.61	33.31	28.91
Madhyapradesh	155.37	81.00	40.88	33.50	52.30	37.30
Maharashtra	187.32	65.72	54.30	67.30	47.91	37.21
Mysore	102.91	40.89	26.48	35.55	45.48	35.17
Nagaland	2.69	2.10	0.04	0.55	59.40	52.09
Orissa	69.40	33.67	19.28	16.45	43.66	31.64
Punjab	38.81	16.59	7.77	14.44	31.13	28.81
Rajasthan	82.88	52.70	7.54	22.64	47.55	32.22
Tamil Nadu	150.74	46.68	43.92	60.14	45.57	36.67
Uttar Pradesh	284.17	159.11	54.97	70.09	39.12	32.16
West Bengal	126.07	40.03	32.46	53.58	33.16	28.37
Andaman & N. Islands	0.45	0.06	0.02	0.37	49.09	39.39
Chandigarh	0.86	0.02	0.01	0.82	38.32	33.40
Dadra & Nagar Haveli	0.35	0.25	0.06	0.04	60.03	47.16
Delhi	12.24	0.33	0.16	11.75	32.14	30.27
Goa, Daman & Diu	2.72	0.65	0.40	1.67	41.19	31.72
LM. & A. Islands	0.08	..	..	0.08	51.64	26.11
Manipur	3.84	2.53	0.15	1.17	45.89	35.92
Meghalaya	4.42	3.13	0.43	0.86	52.49	44.92
Arunachal Pradesh	2.55	2.14	0.06	0.35	67.60	57.30
Pondicherry	1.42	0.17	0.46	0.79	37.49	30.11
Tripura	4.35	2.35	0.86	1.14	38.29	27.93

TABLE 1.9

Occupational Distribution (Percentage) of Working Population in India by States, 1961 and 1971.

STATE	Total workers as % of total population.		Cultivators as % of total workers.		Agricultural labourers as % of total workers		Other workers as % of total workers.	
	1961	1971	1961	1971	1961	1971	1961	1971
1	2	3	4	5	6	7	8	9
All India	42.98	33.54	52.78	42.87	16.71	25.96	30.51	31.37
Andhra Pradesh	51.87	41.68	40.12	32.23	28.59	37.40	31.29	30.37
Assam	42.65	28.63	63.81	56.41	3.59	9.35	32.60	34.24
Bihar	41.40	31.96	53.87	42.38	22.97	38.02	23.16	19.60
Gujarat	41.07	31.58	53.33	43.01	14.77	22.06	31.90	34.93
Haryana	37.92	26.51	63.87	49.28	6.90	16.23	29.23	34.49
Himachal Pradesh	53.90	36.82	80.68	71.60	1.41	4.25	17.91	24.15
Jammu & Kashmir	42.79	30.01	75.70	64.01	1.21	3.12	23.09	32.87
Kerala	33.31	28.91	20.92	17.95	17.38	30.68	61.70	51.37
Madhya Pradesh	52.30	37.30	62.68	52.13	16.63	26.31	20.69	21.59
Maharashtra	47.91	37.21	46.11	35.09	23.80	28.98	30.09	35.93
Mysore	45.48	35.17	54.13	39.73	16.43	25.73	29.45	34.54
Nagaland	59.40	52.09	88.22	78.19	1.14	1.44	10.64	20.37
Orissa	43.66	31.64	56.82	48.51	17.01	27.79	26.17	23.70
Punjab	31.13	48.81	45.24	42.75	9.65	20.03	44.11	37.22
Rajasthan	47.55	32.22	73.61	63.59	4.11	9.10	22.28	27.31
Tamil Nadu	45.57	36.67	42.07	30.97	18.42	29.13	39.51	39.90
Uttar Pradesh	39.12	32.16	63.88	55.99	11.30	19.35	24.82	24.66
West Bengal	33.16	28.37	38.50	31.75	15.30	25.75	46.20	42.50

Source: Census of India 1971 (provisional)

TABLE 1.10

Male Working Force Engaged in Agriculture as Percentage to Total  
Male Working Force in India by States, 1911, to 1971

	1911	1921	1931	1941	1951	1961	1971
1	2	3	4	5	6	7	8
India	66.7	67.7	65.9	66.5	64.9	65.02	67.40
Andhra Pradesh	61.3	61.7	55.0	65.3	62.9	64.04	65.16
Assam+	69.3	69.2	66.0	67.7	68.9	67.85	69.82
Bihar	78.4	81.1	79.0	82.7	73.4	74.26	80.31
Gujarat	58.7	57.1	60.5	56.8	61.5	60.88	62.44
Jammu & Kashmir	72.7	73.2	69.8	...	74.3	74.56	67.73
Kerala	48.5	46.5	39.3	48.4	36.0	36.34	47.24
Madhya Pradesh	67.5	70.2	72.7	75.8	73.4	73.45	75.77
Tamil Nadu	66.3	65.8	59.9	58.6	56.2	56.40	52.48
Maharashtra	63.1	59.0	60.6	59.8	58.8	58.70	57.66
Mysore	65.5	65.5	63.2	66.6	65.9	66.24	64.83
Orissa	74.1	74.1	74.4	74.2	74.9	75.19	77.73
Punjab++	59.4	59.7	62.3	64.0	60.3	61.23	64.88
Rajasthan	59.6	61.3	63.3	69.5	72.2	72.74	72.81
Uttar Pradesh	71.2	75.2	73.3	71.6	72.7	72.84	76.04
West Bengal	60.3	60.4	56.8	51.0	53.2	53.30	58.13

Notes:- Except for last two columns, the figures are from Census of India 1961, Paper No.1 of 1967, Delhi, 1968. The last two columns are from Table 3 above.

+ Assam includes Meghalaya. ++ Except for the last two entries which relate to present day Haryana + Himachal Pradesh + Chandigarh + Punjab, the other figure in this non relate to Punjab as it was in 1961.

TABLE 1.11

Percentage of cultivators and Agricultural Labourers in the Male work Force, in India by States, 1961 and 1971.

1	Cultivators		Agricultural Labourers		Cultivators and agrl. Labourers.	
	2	3	4	5	6	7
India	52.00	46.35	13.02	21.05	65.02	67.40
Andhra Pradesh	42.86	37.68	21.18	27.48	64.04	65.16
Assam	63.48	59.76	4.67	9.86	67.85	69.62
Bihar	54.72	47.29	19.54	33.02	76.26	80.31
Gujarat	49.29	45.03	11.59	17.41	60.88	62.44
Jammu and Kashmir	73.05	64.49	1.51	3.24	74.56	74.56
Kerala	23.20	22.12	13.14	25.14	36.34	47.26
Madhya Pradesh	59.88	56.62	13.57	19.15	73.45	75.77
Tamil Nadu	47.60	34.50	13.80	23.92	56.40	58.42
Maharashtra	41.16	36.17	17.54	21.49	58.70	57.66
Mysore	54.28	44.35	11.96	20.48	66.24	64.83
Orissa	60.85	52.69	14.34	25.04	75.19	77.73
Punjab+	53.46	48.43	7.78	16.60	61.24	65.03
Rajasthan	69.09	65.27	3.65	7.54	72.74	72.81
Uttar Pradesh	64.11	59.11	8.73	16.93	70.84	76.04
West Bengal	39.06	33.60	14.24	24.53	53.30	58.13

Assam includes Meghalaya and Punjab comprises present day Haryana, Himachal Pradesh, Chandigarh and Punjab.

TABLE 1.12  
Percentage of the Indian Working force Engaged in  
Agricultures, 1961 and 1971.

		1961	1971
Persons:	Total	69.49	68.63
	Rural	79.19	80.86
	Urban	10.03	11.07
Males	Total	64.68	67.40
	Rural	76.85	80.97
	Urban	7.77	9.99
Females	Total	79.57	73.91
	Rural	83.68	80.41
	Urban	22.66	19.37

Note: Under Agriculture we include cultivators and agricultural labourers

In this Table unspecified elements are included in non-agriculture

Source:- 1971 Census

TABLE 1.13  
Indices of Value of Money and Rates of Depreciation  
in India, 1960 to 1971.

Years	Indices of value of money (1960=100)	Rates of depreciation (percent)
1	2	3
1960	100	...
1965	74	...
1970	54	4.9
1971*	...	3.0
1960-70**	...	5.9

\* Compounded annually

\*\* Based on average monthly data available for 1971 compared  
with corresponding period of 1970.

Source: First National City Bank, New York.

TABLE 1.14  
Trends in Per capita Availability of Articles of Consumption in India (Essential Items), 1951 to 1971.  
(Index Base: 1951=100)

Year	Cereal & pulses		Edible Oil		Vanaspatti		Sugar		Electricity for domestic use.		Cotton cloth		Manmade fibres fabrics.		Tea	Coffee.			
	Gm. Index	Kg. Index	Gm. Index	Kg. Index	Index	Kg. Index	Index	KWH Index	Index	Mts. Index	Index	Meter Index	Gm. Index	Gm. Index	Index	Index			
	(per day)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)	(per year)			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
1951	394.9	100.00	2.7	100.00	N.A.	N.A.	...	3.0	100.00	1.6	100.00	11.00	100.00	...	N.A.	...	51	100.00	
1956	430.6	109.04	2.5	92.59	0.7	100.00	0.7	100.00	166.67	2.2	137.50	14.4	130.91	...	...	257	100.00	61	133.31
1961	467.8	118.46	2.2	81.48	0.8	114.29	0.8	114.29	156.67	2.5	156.25	13.8	125.45	1.2	100.00	393	152.92	82	160.78
1962	463.1	117.27	3.2	118.52	0.8	114.29	0.8	114.29	190.00	3.9	243.75	14.7	133.64	1.2	100.00	315	122.57	59	115.69
1963	442.0	111.93	3.1	114.81	0.8	114.29	0.8	114.29	180.00	4.2	262.50	14.3	130.00	1.2	100.00	300	116.73	74	145.10
1964	448.9	113.67	2.7	100.00	0.8	114.29	0.8	114.29	163.33	4.4	275.00	14.6	132.73	1.2	100.00	303	117.90	77	150.98
1965	475.9	120.51	3.6	133.33	0.8	114.29	0.8	114.29	166.67	4.7	293.75	15.1	137.27	1.6	133.33	314	122.18	79	154.90
1966	403.7	102.23	2.6	96.39	0.8	114.29	0.8	114.29	190.00	4.8	300.00	14.6	132.73	1.7	141.67	341	132.68	71	139.22
1967	396.0	100.28	2.6	96.30	0.7	100.00	0.7	100.00	173.33	5.3	331.25	13.8	125.45	1.6	133.33	369	143.58	86	168.63
1968	452.1	114.48	3.2	118.52	0.8	114.29	0.8	114.29	143.33	5.7	356.25	13.4	121.82	1.7	141.67	353	137.35	53	103.92
1969	437.4	110.76	2.4	88.89	0.9	128.57	0.9	128.57	166.67	6.1	381.25	14.1	128.18	1.9	158.33	355	138.83	75	147.06
1970	445.2	112.74	2.7	100.00	0.9	128.57	0.9	128.57	203.33	6.5	406.25	13.5	122.73	1.8	150.00	378	147.08	59	115.69
1971	456.8	115.67	3.3	122.22	1.0	142.86	1.0	142.86	243.33	7.0	437.50	13.6	123.64	1.7	141.67	383	149.03	64	123.49

(a) Base-1956=100 (b) Base 1961=100

TABLE 1.15  
The Changing Structure of Per Capita Consumption in India  
(Luxury Items), 1951 to 1971.

Year	Paper (Grams per year)	Bicycles (per million population)	Domestic Coke (kg. per year)	Sweing machines (per lakh population)	Motor cars (per lakh population)	Radio receivers per million population)	Cigarettes (Nos per year)
1951	616	1190	4.45	20	61	228	57
1952	671	1060	4.54	19	33	193	54
1953	721	930	4.76	28	28	147	50
1954	758	1190	4.62	24	41	147	52
1955	821	1630	4.76	29	51	207	58
1956	839	1690	4.84	40	51	376	66
1957	753	1760	4.23	42	31	468	71
1958	794	1830	5.36	50	19	494	71
1959	721	1900	5.46	59	28	596	72
1960	807	1950	5.90	70	48	643	74
1961	1012	2030	5.96	73	50	792	76
1962	870	2880	6.56	62	46	800	74
1963	1000	2570	6.09	74	3	889	75
1964	1027	2450	6.50	51	48	992	87
1965	1100	2960	6.72	78	51	1197	100
1966	1188	3260	7.00	75	55	1429	114
1967	1178	3290	7.03	77	61	1583	119
1968	1185	3660	5.11	77	58*	2465	114
1969	1178	3616	5.45	72	64*	3068	110
1970	1384	3725	5.49@	50	63*	3055	111
1971@	1420	396 <sup>o</sup>	5.26	77	63*	3299	111

@ IIPO Estimates

\* Relate to cars, jeeps and land Rovers.

TABLE 1.16

Percent Share of Total Consumer Expenditure by Fractile Group + in India

Fractile Group	Percent share of total expenditure					
	Rural			Urban		
	Round 4 April-Sept 1952	Round 16 July 1960 to January 1961	Average of nine rounds	Round 14 April-Sept- 1952	Round 16 July 1960 to January 1961	Average of nine rounds
0	1	2	3	4	5	6
0-10	2.91	3.41	3.19	2.98	3.17	2.94
10-20	4.42	4.80	4.62	4.16	4.38	4.16
20-30	5.65	5.80	5.66	5.05	5.36	5.09
30-40	6.74	6.74	6.65	5.97	6.28	6.30
40-50	7.69	7.65	7.64	7.07	7.20	7.02
50-60	8.76	8.77	8.73	8.36	8.30	8.23
60-70	10.19	9.99	10.12	10.00	9.61	9.76
70-80	12.26	11.71	12.07	15.90	11.82	11.86
80-90	15.30	14.78	15.00	15.17	15.53	15.57
90-100	26.07	26.36	26.32	29.85	28.37	29.34
0-100	100.00	100.00	100.00	100.00	100.00	100.00

+ for selected rounds of the N.S.S.

Source: Report of the committee on distribution of Income and level of living,  
Part II, Government of India, Planning Commission, July 1969.



TABLE 1.17

Per Capita Consumption of different fractile Groups expressed as percent of all classes  
Average per capita Consumption in India, 1960-61.  
(Selected Items)

Fractile groups (per cent)	Food grains	Edible oils	Sugar	Milk and Milk product	Meat, egg and fish	Vegetables and fruits.
1	2	3	4	5	6	7
0 - 5	45.9	20.3	11.8	5.5	13.6	25.9
5 - 10	58.2	31.3	19.1	10.4	21.2	35.8
10 - 15	67.7	37.5	25.0	16.9	27.3	42.0
15 - 20	74.4	43.8	32.4	23.9	34.8	48.1
20 - 30	82.1	53.1	42.6	31.3	42.4	56.8
30 - 40	90.9	64.1	55.9	46.8	57.6	66.7
40 - 50	98.2	78.1	75.0	64.2	74.2	77.8
50 - 60	104.8	92.2	92.6	82.6	93.9	90.1
60 - 70	111.8	109.4	114.7	107.0	118.2	106.2
70 - 80	119.0	131.3	139.7	140.3	147.0	125.9
80 - 85	125.1	151.6	163.2	175.6	171.2	146.9
85 - 90	129.7	171.9	185.3	210.0	193.9	166.7
90 - 95	135.3	200.0	216.2	255.7	218.2	200.0
95 - 100	148.1	275.0	300.0	353.2	256.1	297.5
All Classes	100.0	100.0	100.0	100.0	100.0	100.0

Source: Monthly Commentary - Annual number 1969 (Page 152)

TABLE 1.18

Percentage Change In Monthly Per Capita Consumer  
Expenditure by States (Rural) 1961-63 (in Rs.)

State	1961-62	1963-64	Percentage change over the previous Round
1	2	3	4
Andhra Pradesh	19.96	20.84	1.24
Assam	22.03	26.27	19.25
Bihar	18.96	21.15	11.55
Gujarat	22.75	22.15	(-)2.64
Jammu and Kashmir	24.65	27.42	11.24
Kerala	19.10	19.69	3.09
Madhya Pradesh	21.47	23.02	7.22
Tamil Nadu	21.69	23.45	8.11
Maharashtra	19.62	21.48	9.48
Mysore	24.98	20.92	(-) 16.25
Orissa	17.40	19.45	11.78
Punjab	32.68	27.91	(-) 14.50
Rajasthan	23.62	24.68	4.49
Uttar Pradesh	22.56	21.48	(-) 4.79
West Bengal	20.81	23.73	14.03
All India	21.63	22.81	5.46

N. S. S. Rounds 17 and 18

TABLE 1.19

Percentage Change In Monthly Per Capita Consumer  
Expenditure By States (Urban), 1961-63 (in Rs.)

State	1961-62	1963-64	Percentage change over the previous Round
1	2	3	4
Andhra Pradesh	25.20	27.93	10.83
Assam	40.15	46.02	14.62
Bihar	35.20	29.63	(-) 15.82
Gujarat	31.99	32.61	1.94
Jammu and Kashmir	24.47	30.79	25.83
Kerala	26.00	25.62	1.46
Madhya Pradesh	27.56	30.35	10.12
Tamil Nadu	29.98	31.45	4.90
Maharashtra	37.95	37.59	(-) 0.95
Mysore	26.29	26.33	0.15
Orissa	33.64	31.11	(-) 7.52
Punjab	30.26	33.00	9.05
Rajasthan	29.19	32.26	10.52
Uttar Pradesh	25.90	28.69	10.77
West Bengal	38.31	41.40	8.07
All India	31.20	32.81	5.16

TABLE 1.20

Percentage Distribution of Persons According To Monthly per Capita Consumer Expenditure  
By Board Expenditure Classes in India by States 1961-62

State / Expenditure classes.	Rural					Urban				
	Rs. 0-15	Rs. 15-28	Rs. 28-55	Rs. 55 & above	All expenditure classes	Rs. 0-15	Rs. 15-28	Rs. 28-55	Rs. 55 & above	All expenditure classes
1	2	3	4	5	6	7	8	9	10	11
All India	36.45	44.23	16.33	2.99	100.00	20.23	41.76	28.88	10.33	100.00
Andhra pradesh	44.24	39.98	13.89	1.89	100.00	25.84	45.73	23.04	4.45	100.00
Assam	21.05	60.77	16.20	1.91	100.00	0.85	36.38	43.33	19.44	100.00
Bihar	44.50	41.00	12.75	1.75	100.00	21.33	41.76	24.16	12.75	100.00
Gujarat	23.59	51.21	22.74	2.46	100.00	7.86	48.56	35.32	8.26	100.00
Jammu & Kashmir	17.90	55.57	22.85	3.58	100.00	16.79	54.04	26.55	2.62	100.00
Kerala	41.06	50.07	6.06	2.81	100.00	34.93	37.98	20.84	6.25	100.00
Madhya pradesh	42.19	37.95	17.21	2.65	100.00	18.86	47.88	25.96	7.30	100.00
Tamilnadu	31.03	48.85	16.92	3.20	100.00	17.66	45.06	30.17	7.11	100.00
Maharashtra	39.66	44.73	14.65	0.96	100.00	14.80	36.53	30.69	17.98	100.00
Msyore	32.17	43.54	20.27	4.02	100.00	23.91	44.97	25.62	5.80	100.00
Orissa	48.92	40.93	8.97	1.18	100.00	25.64	32.90	26.82	14.64	100.00
Punjab	17.40	37.93	33.01	11.66	100.00	24.74	39.12	25.74	10.40	100.00
Rajasthan	37.79	39.99	17.10	5.06	100.00	15.95	47.81	27.61	8.63	100.00
Uttar pradesh	34.40	44.71	17.01	3.88	100.00	31.39	39.93	21.06	7.62	100.00
West Bengal	35.29	51.64	10.75	2.32	100.00	7.07	34.51	42.30	16.12	100.00

TABLE 1. 21

Index Numbers of per Capita Availability of Selected  
Consumer Items 1961-81 (Base 1951 = 100)

Item	1961	1971*	1981
Food grains	118.5	122.7	156.9
Sugar	143.3	180.0	353.3
Milk	102.9	105.1	166.7
Edible oils	181.8	177.3	309.1
Tea	125.5	159.0	222.7
Coffee	173.6	171.7	181.1
Paper and paper board	133.3	250.3	510.0
Cloth	135.2	132.7	155.9
Bicycles	177.3	345.5	745.5
Sewing machine	350.0	545.0	775.0
Motor cars	78.7	163.9	262.3
Radio receivers	282.0	899.1	1754.3
Cigarettes	129.8	215.8	286.0
Coal	133.9	161.8	179.8

\* I. I. P. O. estimates

Source: - Monthly commentary Annual number 1969 (page 169)

TABLE 1. 22

Trends in per capita per Day Availability of Calories and selected  
Nutrients in India, 1950-51 to 1980-81  
(Index Base 1950-51 = 100)

Year	Calories		Iron		Proteins		Vitamin A	
	Nos.	Index	m.g.s.	Index	gms.	Index	I.U.	Index
1	2	3	4	5	6	7	8	9
1950-51	1701	100.00	14.2	100.00	56.3	100.00	877	100.00
1960-61	1996	117.34	13.1	92.25	58.8	104.44	905	103.19
1965-66	1696	99.71	12.0	84.51	50.2	89.17	762	86.89
1968-69	1887	110.93	12.9	90.85	54.8	97.34	888	101.25
1975-76+	2392	140.62	16.4	115.49	70.0	124.33	1295	147.66
1980-81+	2777	163.26	18.7	131.69	79.9	141.92	1748	199.32

+ I. I. P. O. estimates.

Source: Indian Institute of Public Opinion, Monthly commentary on Indian Economic condition, Annual Number, 1969, P. 147.

TABLE 1.23  
Per capita per day Availability of Calories and Selected Nutrients in India By States, 1968-69

States	Calories (No. s)			Protein (gms.)			Iron (m. gms.)			Vitamin A (I. U)						
	Food grains	Other foods	Total	Index (all India =100)	Food grains	Other foods	Total	Index (all India =100)	Food grains	Other foods	Total	Index (all India =100)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
Andhra Pradesh	1418	181	1599	84.7	35.9	4.2	40.1	73.2	9.1	0.6	9.7	75.2	273	283	566	63.7
Assam	1428	375	1803	95.5	33.4	11.0	44.4	81.0	6.3	1.2	7.5	58.1	76	463	539	60.7
Bihar	1771	252	2023	107.2	52.3	5.4	57.7	105.3	11.6	1.0	12.9	100.0	335	439	774	87.2
Gujarat	1540	495	2035	107.8	50.5	10.5	61.0	113.3	14.5	0.9	15.4	119.4	524	494	1018	114.6
Jammu & Kashmir	1776	369	2145	113.7	46.8	9.4	56.2	102.6	8.9	1.1	10.0	77.5	679	467	1146	129.1
Kerala	963	265	1228	65.1	21.2	6.6	27.8	50.7	3.9	1.3	5.2	40.3	38	739	777	87.5
Madhya Pradesh	1736	274	2010	106.5	57.0	5.1	62.1	113.3	14.7	0.6	15.3	118.6	435	360	794	89.5
Madras	1386	266	1652	87.6	34.0	6.0	40.0	73.0	7.8	0.9	8.7	67.4	180	518	698	78.6
Maharashtra	1432	228	1660	88.0	44.9	5.8	50.7	92.5	14.2	0.8	15.0	116.3	486	508	994	111.9
Mysore	1613	302	1915	101.5	46.0	6.5	52.5	95.8	14.4	1.0	15.4	119.4	440	638	1078	121.4
Orissa	1240	194	1434	76.0	28.7	4.9	33.6	61.3	5.4	0.6	6.0	46.5	65	360	425	47.9
Punjab	1873	616	2489	131.9	68.0	17.0	85.0	155.1	16.3	1.1	17.4	194.9	506	884	1390	156.5
Rajasthan	1836	370	2256	119.5	64.5	7.6	72.2	131.5	17.6	0.7	18.3	141.9	946	467	1413	159.1
Uttar Pradesh	1727	332	2059	109.1	62.1	6.7	68.7	195.5	16.4	0.8	17.2	133.3	484	461	945	106.4
West Bengal	1435	398	1833	96.1	33.7	10.8	44.5	81.2	6.3	1.3	7.6	58.9	61	618	679	75.5
Union territories	1464	472	1936	102.4	42.7	14.0	56.7	103.5	9.2	1.4	10.6	82.2	216	866	1082	121.8
All India	1572	315	1887	100.0	47.4	7.4	54.8	100.0	12.0	0.9	12.0	100.0	370	518	888	100.0

Source:- Monthly commentary Annual number 1969 (page 153)

TABLE 1.24

Consumer Price Index Numbers for Industrial workers,  
1965-66 to 1970-71

Centre	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
	(Base: 1949=100)					
All-India	169	191	213	212	215	226
	(Base: 1960=100)					
All-India	—	—	—	174**	177	186
Ahmedabad	130	148	168	165	169	176
Alwaye	145	158	183	198	197	198
Asansol	140	145	168	176	178	189
Bangalore	144	159	172	180	183	186
Bhavnagar	132	153	173	176	178	186
Bombay	130	147	162	167	175	182
Calcutta	131	148	163	170	172	182
Goimbatore	132	144	151	147	154	164
Delhi	136	152	172	178	185	199
Dighoi	138	160	198	185	180	189
Gwalior	139	160	191	179	184	191
Howrah	137	154	178	181	176	186
Hyderabad	140	158	167	173	185	189
Jamshedpur	136	158	183	171	170	183
Madras	134	144	151	150	160	170
Madurai	128	142	146	148	160	177
Monghyr	151	187	215	185	158	203
Mundakayam	138	152	173	186	191	197
Nagapur	138	148	166	166	176	187
Saharanpur	141	163	188	176	181	186
Sholapur	128	150	165	167	176	185

\*\*Average for eight months from August 1968 to March 1969.  
Source: Labour bureau.

TABLE 1.25

Consumer Price Index Numbers for Urban Non-Manual Employees, 1965-66 to 1970-71.

(Base: 1960=100)

Centre	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
All-India	132	146	159	161	167	174
Bombay	132	142	153	156	162	168
Delhi- New Delhi	131	142	154	162	168	174
Calcutta	126	139	152	156	162	170
Madras	132	147	154	154	161	175
Hyderabad- Secunderabad	133	147	155	159	167	174
Bangalore	133	145	156	160	164	172
Lucknow	132	146	159	156	161	166
Ahmedabad	131	145	160	162	168	171
Jaipur	133	150	162	168	176	183
Patna	139	160	179	174	180	191
Srinagar	134	143	160	167	174	184
Trivandrum	131	146	165	168	172	178
Cuttack-Bhuba- neswar	142	154	164	167	169	176
Bhopal	133	144	166	166	172	180
Chandigarh	129	143	155	164	171	178
Shillong	123	134	155	163	164	166

Source: C. S. O.

TABLE 1.26

Annual Rate of Variation in Index of wholesale Prices of India

Details	Second Plan	Third Plan	1966- 67	1967- 68	1968- 69	1969 70	1970- 71
1	2	3	4	5	6	7	8
1. All Commodities	+6.3	+5.8	+15.9	+1.10	- 1.0	+ 3.7	+5.5
2. Food article	+6.9	+7.2	+18.4	+21.2	- 4.5	nil	+3.6
3. Liquor & tobacco	+6.4	+4.8	- 4.6	+ 4.8	+55.3	+ 1.3	-5.2
4. Fuel, power etc.	+4.8	+5.1	+10.9	+ 8.5	+ 4.6	+ 4.4	-4.3
5. Industrial raw materials	+8.4	+5.8	+20.9	- 4.2	+ 1.6	+14.5	+9.5
6. Manufactures	+4.5	+3.8	+ 9.2	+ 1.5	+ 1.9	+ 8.1	+8.0

Note: Figures up to 1968-69 based on index with base 1952-53 = 100

The rest are based on index with base 1960-61 = 100



TABLE 1. 27

Index Number of Wholesale Prices in India, 1963 to 1969 (Base: 1961-62=100)

Group	1963	1964	1965	1966	1967	1968	1969
1	2	3	4	5	6	7	8
1. Food Articles	111.7	130.6	142.0	161.9	204.4	200.5	193.3
2. Liquor and Tobacco	117.1	127.1	133.5	133.4	145.2	178.5	203.1
3. Fuel, power, light and lubricants	114.9	119.7	122.4	132.5	139.8	147.2	153.3
4. Industrial raw materials	98.6	111.7	127.7	151.8	161.1	152.7	175.4
5. Chemicals	113.5	116.4	123.0	138.8	154.7	165.3	180.7
6. Machinery and transport equipment	107.2	110.8	116.1	124.1	131.1	132.3	134.7
7. Manufactures	104.2	107.5	115.3	125.5	130.9	132.7	140.9
All Commodities	108.0	119.3	129.1	144.5	166.2	165.3	168.8

Source: Office of the Economic Advisor, Ministry of Industrial Development and Internal Trade, G. O. 1

TABLE 2. 1  
Pattern of Land Utilisation in India By States, 1966-67

Region	Forests			Land not available for cultivation			Total other uncultivable excluding fallow land			Total fallow land			Net sown area		
	Reporting area (Lakh hectares)	Lakh hectares	Percentage to reporting area	Lakh hectares	Percentage to reporting area	Lakh hectares	Percentage to reporting area	Lakh hectares	Percentage to reporting area	Lakh hectares	Percentage to reporting area	Lakh hectares	Percentage to reporting area	Lakh hectares	Percentage to reporting area
Andhra Pradesh	274.75	61.17	22.3	41.39	15.0	28.36	10.3	30.40	11.1	113.43	41.3				
Assam	121.50	35.62	29.3	52.28	43.0	6.69	5.5	3.15	2.6	23.76	19.6				
Bihar	173.30	28.92	16.7	26.08	15.0	9.93	5.8	34.15	19.7	74.22	42.8				
Gujarat	185.33	16.18	8.7	49.17	26.5	15.74	8.5	7.36	4.0	96.88	52.3				
Haryana	43.99	0.91	2.1	4.89	11.1	1.37	3.1	2.59	5.9	34.23	77.8				
Jammu & Kashmir	48.69	27.79	57.1	9.26	19.0	3.55	7.3	1.38	2.8	6.71	13.8				
Kerala	38.59	10.56	27.4	3.36	8.7	3.15	8.1	0.61	1.6	20.91	54.2				
Madhya Pradesh	443.13	147.03	33.2	43.10	9.7	60.15	13.6	20.80	4.7	172.05	38.8				
Maharashtra	307.67	54.19	17.6	24.85	8.1	24.29	7.9	23.12	7.5	181.22	58.9				
Mysore	189.25	27.01	14.3	18.05	9.5	26.67	14.1	17.38	9.2	100.14	52.9				
Nagaland	13.48	2.63	19.5	10.38	77.0	...	...	...	...	0.47	3.5				
Orissa	155.40	35.91	23.1	25.42	16.3	25.67	16.6	8.51	5.5	59.89	38.55				
Punjab	50.25	0.78	1.5	6.41	12.8	1.74	3.5	2.62	5.2	38.70	77.0				
Rajasthan	340.23	11.45	3.4	60.10	17.7	82.44	24.2	40.27	11.8	145.97	42.9				
Tamilnadu	130.11	19.16	14.7	22.22	17.1	12.66	9.7	15.22	11.7	60.85	46.8				
Uttar Pradesh	295.42	38.95	13.2	45.13	15.3	23.30	7.9	14.85	5.0	173.19	58.6				
West Bengal	88.52	11.08	12.5	12.88	14.6	6.08	6.9	2.79	3.1	55.69	62.9				
States: Total	2899.61	529.64	18.3	454.97	15.7	331.79	11.4	225.20	7.8	1958.31	46.8				
Union Territories	159.86	75.66	47.3	51.11	32.0	20.18	12.6	0.92	0.6	11.99	7.5				
India	3059.47	605.00	19.8	506.08	16.5	351.97	11.5	226.12	7.4	1970.30	44.8				

Source: Fertiliser Association of India, Fertiliser Statistics, 1968-69, PP.440-441

TABLE 2 2.

## Per Capita Availability Of Land in India by States; 1966-67

STATE	Cultivable area * as % to total reporting area.	@ Per capita availability of land	
		Reporting area (Hectares)	Cultivable area (Hectares)
1	2	3	4
Andhra Pradesh	49.2	0.68	0.33
Assam	20.5	0.85	0.17
Bihar	57.2	0.32	0.18
Gujarat	54.7	0.76	0.41
Haryana	83.7	0.48	0.40
Jammu and Kashmir	15.7	1.25	0.20
Kerala	54.7	0.19	0.11
Madhya Pradesh	41.0	1.17	0.48
Maharashtra	62.7	0.66	0.41
Mysore	58.5	0.69	0.41
Nagaland	3.5	3.28	0.11
Orissa	43.2	0.77	0.33
Punjab	82.2	0.37	0.31
Rajasthan	48.5	1.41	0.68
Tamil Nadu	53.8	0.35	0.19
Uttar Pradesh	60.4	0.35	0.21
West Bengal	66.1	0.21	0.14
Union Territories	8.0	1.43	0.11
India	49.2	0.60	0.29

\* Consists of net sown area and current fallows.

@ Based on estimated population for mid 1967.

TABLE 2. 3  
Index Numbers of Area under Crops in India, 1950-51 to 1970-71 (Base Agricultural year 1949-50=100)

Commodity/Group	1950-51	1955-56	1960-61	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	
	1	2	3	4	5	6	7	8	9	10	11
<b>I. Foodgrains</b>											
Rice	100.9	103.1	111.4	118.8	115.6	114.9	118.8	120.5	122.8	122.0	
Jowar	100.2	111.6	118.3	116.0	113.6	116.0	118.4	120.4	119.6	112.1	
Bajra	97.4	122.4	123.8	127.5	129.0	132.0	138.1	130.0	134.8	139.3	
Maize	96.4	112.7	134.4	140.7	146.2	154.6	170.1	174.1	178.6	177.9	
Ragi	92.4	93.2	104.1	108.0	111.5	95.7	94.7	92.5	115.0	104.5	
Small Millets	96.6	111.6	103.3	95.1	95.2	95.7	101.4	99.1	98.8	100.5	
Wheat	99.9	126.7	132.5	137.6	128.9	131.6	153.7	163.5	170.3	183.3	
Barley	97.9	107.5	100.9	86.0	84.6	90.5	108.1	88.3	88.5	83.1	
Cereals	99.4	110.7	116.7	119.5	117.1	118.1	125.2	125.7	128.7	128.6	
Gram	91.2	118.0	111.9	107.0	96.7	96.6	99.7	85.8	93.6	94.3	
Tur	93.5	98.0	104.3	110.3	109.4	107.9	114.0	108.2	114.2	113.3	
Other pulses	92.2	115.3	122.2	128.2	125.3	119.6	120.9	119.6	119.6	123.3	
Pulses	91.9	116.8	118.3	119.8	114.0	111.0	113.6	106.7	110.5	112.5	
Foodgrains	97.9	111.9	116.9	119.5	116.5	116.7	122.9	121.9	125.1	125.4	
<b>II Non-Foodgrains</b>											
Groundnut	113.0	129.1	162.6	185.5	193.4	183.4	189.8	178.1	179.0	183.2	
Sesamum	107.7	111.3	105.3	120.1	121.2	155.0	128.3	117.1	111.6	118.4	
Rapessed & mustard	107.0	131.2	147.8	149.2	149.3	154.1	166.3	147.2	162.7	170.8	
Linseed	92.2	99.4	116.5	132.9	112.2	97.4	115.7	110.5	117.4	119.3	
Castorseed	94.0	96.9	78.6	74.4	68.4	67.7	74.2	66.5	67.9	74.2	
Oilseeds	106.5	119.3	136.0	150.4	150.3	147.8	154.4	147.6	146.0	151.3	
Cotton	119.2	164.0	154.4	169.7	161.5	158.9	162.1	154.0	156.7	154.2	
Jute	121.3	149.4	133.5	179.3	160.9	169.0	186.7	111.7	162.8	159.1	
Mesta	100.0	122.2	144.1	193.5	185.4	169.4	168.7	147.0	169.0*	172.0	

Contd.

TABLE 2.4 (Contd.)

Fibres	118.8	160.7	151.5	170.3	161.3	159.2	163.5	149.4	156.8	154.4*
Tea	100.4	101.3	105.7	107.7	112.1	113.1	111.8	115.7	116.5	116.5*
Coffee	103.6	104.2	126.9	145.6	144.8	143.7	144.3	146.8(R)	146.8*	146.8*
Rubber	83.9	128.1	217.5	318.3	330.6	332.9	345.2	361.6(R)	390.3	390.3*
Plantation Crops	99.0	104.9	123.6	138.3	142.3	142.9	143.2	148.0(R)	151.0	151.0
Sugarcane	116.4	125.1	163.6	176.2	192.0	155.8	138.6	171.5	186.2	180.0
Tobacco	102.7	117.8	115.4	116.9	108.4	121.9	121.9	126.6	124.9*	124.9
Potatoes	102.4	119.5	156.2	178.7	199.3	197.0	208.7	218.3	212.8*	212.8*
Pepper (black)	100.5	112.2	129.5	129.6	129.0	129.1	128.5	127.5	126.6	126.3
Chillies	115.4	117.8	129.9	136.6	121.0	137.5	150.2	126.5	130.1	136.2
Ginger	71.4	74.5	86.5	95.3	95.3	95.7	89.8	83.0	88.1	90.6
Miscellaneous Crops	112.3	113.5	138.8	148.6	154.5	140.4	134.8	148.6	156.1	154.1
Non-Foodgrains	110.8	130.7	141.2	156.3	154.6	150.5	154.5	146.2	151.4	153.2
All Commodities	99.9	115.0	120.8	125.3	122.5	122.0	127.8	125.6	129.1	129.6

\* Based on provisional estimates. (R) Revised.

Note:- Foodgrains indices for 1966-67 and 1967-68 are based on partially revised estimates. While those for 1968-69 to 1970-71 are based on final estimates. In the case of other crops, indices for 1966-67 to 1969-70 are generally based on partially revised estimates. Indices for 1970-71 are generally based on final estimates. The indices for these years are, therefore, subject to revision.

TABLE 2.4  
Index Numbers of Agricultural Production in India, 1950-51 to 1970-71 (Base Agricultural year 1949-50=100)

Commodity/Group	Weight	1950-51	1955-56	1960-61	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
1	2	3	4	5	6	7	8	9	10	11	12
<b>I. Foodgrains</b>											
Rice	35.3	87.9	114.2	137.7	156.2	121.6	121.0	149.5	157.3	159.9	167.9
Jowar	5.0	89.8	96.7	141.1	139.2	109.0	132.6	144.5	141.0	139.8	117.8
Bajra	2.7	83.8	108.3	102.9	141.3	117.3	139.7	162.1	118.9	166.6	250.2
Maize	2.1	84.4	112.3	146.7	166.5	172.2	174.7	223.8	198.6	197.7	258.3
Ragi	1.2	87.6	119.7	121.7	130.8	185.8	105.4	121.8	106.5	136.8	142.2
Small Millets	1.5	88.9	105.1	98.2	100.8	79.8	76.5	98.0	92.7	89.0	96.2
Wheat	8.5	101.4	131.3	162.8	181.5	153.7	68.7	257.7	258.7	297.5	344.2
Barley	2.0	105.6	118.5	118.0	106.0	100.1	98.7	147.3	101.7	114.2	120.4
Cereals	58.3	90.3	114.9	138.3	154.5	124.4	129.5	164.2	163.7	176.0	192.4
Gram	3.7	98.0	138.9	160.4	148.2	108.4	93.0	153.3	106.1	142.3	134.6
Tur	1.1	91.8	99.4	106.0	95.3	87.4	37.0	87.5	88.5	92.9	92.8
Other pulses	3.8	85.6	103.9	105.1	113.4	95.2	85.9	104.9	102.6	102.8	107.2
Pulses	8.6	91.7	118.4	129.0	126.1	99.9	85.3	123.5	102.3	118.5	117.1
Foodgrains	66.9	90.5	115.3	137.1	150.8	121.3	123.8	159.0	157.5	168.6	182.7

TABLE 2.4 (Contd.)

II Non-Foodgrains																					
Groundnut	5.7	101.4	112.4	142.1	181.6	129.0	133.5	173.5	140.2	155.3	182.9										
Sesamum	1.2	101.6	104.8	77.2	116.6	101.7	99.9	106.9	101.5	107.7	136.6										
Rapeseed & mustard	2.0	94.6	105.8	165.7	181.4	159.7	151.1	192.9	165.7	192.4	241.5										
Linsced	0.8	87.8	97.1	95.3	118.6	79.6	62.4	105.2	79.1	112.8	109.4										
Castorseed	0.2	80.5	96.1	82.1	79.2	59.9	62.3	68.8	65.7	69.8	67.0										
Oilseeds	9.9	98.5	108.6	134.0	166.5	126.5	125.8	161.7	134.2	151.9	181.0										
Cotton	2.8	110.8	153.9	202.1	219.0	176.8	191.9	210.5	198.5	202.8	175.8										
Jute	1.4	106.3	135.8	125.3	183.9	135.7	162.4	191.6	88.9	171.5	148.1										
Mesta	0.3	100.0	174.7	168.8	239.1	194.7	182.6	190.3	135.4	168.9	183.8										
Fibres	4.5	108.6	149.7	176.0	209.4	165.2	182.1	203.3	160.2	190.8	168.0										
Tea	3.3	103.8	107.2	120.9	150.2	137.9	141.5	144.8	151.5	149.1	158.8										
Coffee	0.2	112.3	196.1	246.4	269.0	282.1	346.6	253.2	324.9	280.9	477.0										
Rubber	0.1	93.8	146.1	167.0	286.0	316.8	343.7	404.8	445.5	513.8	513.8*										
Plantation Crops	3.6	104.0	113.2	129.2	151.4	150.9	158.5	158.0	169.3	166.6	186.3										
Sugarcane (gur)	8.7	113.7	119.8	183.9	201.4	206.0	153.3	157.9	206.9	222.4	211.8										
Tobacco	1.9	97.3	112.9	114.3	134.9	111.1	134.0	139.8	136.9	228.2*	128.2*										
Potatoes	1.0	107.5	120.3	168.6	208.1	235.3	203.3	244.3	272.8	236.3*	236.3*										
Pepper (black)	1.2	97.2	132.6	134.8	114.8	109.6	109.1	104.4	101.5	100.7	103.5										
Chillies (dry)	2.0	119.4	112.9	142.5	158.9	121.8	139.9	167.6	133.4	132.2	138.3										
Ginger (dry)	0.3	54.4	105.7	116.3	138.8	146.1	140.2	129.0	120.4	137.6	188.5										
Miscellaneous Crops	15.1	110.3	120.1	163.4	177.7	176.0	148.6	157.8	182.6	188.2	184.1										
Non-Foodgrains	33.1	105.9	119.9	152.6	176.7	157.0	147.4	165.2	163.6	175.3	181.2										
All Commodities	100.0	95.6	116.8	122.2	159.4	133.1	131.6	161.1	159.5	170.8	182.2										

\* Based on provisional estimates.

Note:— Foodgrains indices for 1966-67 and 1967-68 are based on partially revised estimates, while those for 1968-69 to 1970-71 are based on final estimates. In the case of other crops, indices for 1966-67 to 1969-70 are generally based on partially revised estimates. Indices for 1970-71 are generally based on final estimates. The indices for these years are, therefore, subject to revision.

TABLE 2.5  
Index Numbers of Agricultural Productivity in India, 1950-51 to 1970-71 (Base: Agricultural Year 1949-50=100)

Commodity/Group	1950-51	1951-56	1960-61	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71
1	2	3	4	5	6	7	8	9	10	11
<b>I. Foodgrains</b>										
Rice	87.1	110.8	123.6	131.5	105.2	105.3	125.8	130.8	130.2	137.6
Jowar	81.6	86.6	119.3	120.0	96.0	114.3	112.0	117.1	116.9	105.1
Bajra	86.0	88.5	83.1	110.8	90.9	105.8	117.4	91.5	123.6	179.6
Maize	87.6	99.6	109.2	118.3	117.8	113.0	131.6	114.1	110.7	145.2
Bagi	94.8	128.4	116.9	121.1	77.0	110.1	128.6	115.1	119.0	136.1
Small millets	92.0	94.2	95.1	106.0	83.8	79.9	96.6	93.5	90.1	95.7
Wheat	101.2	103.6	122.9	131.9	119.4	128.2	159.3	158.2	174.7	187.8
Barley	107.9	110.2	116.9	123.3	118.3	109.1	136.3	115.2	129.0	144.9
Cereals	90.8	103.8	118.5	129.3	106.2	109.7	131.2	131.8	136.8	149.6
Gram	107.5	117.7	143.3	138.5	112.1	96.3	153.8	123.7	152.0	142.7
Tur	98.2	101.4	101.6	86.4	79.9	82.8	77.0	81.8	81.3	81.9
Other Pulses	92.8	90.1	86.0	88.5	76.0	71.8	86.8	85.6	86.0	86.9
Pulses	99.8	101.4	109.0	105.3	87.6	76.8	108.7	95.9	107.2	104.1
Foodgrains	92.4	103.0	117.3	126.2	104.1	106.1	129.4	129.2	134.8	145.7



TABLE 2.5 (contd.)

II. Non-Foodgrains												
Groundnut	89.7	87.1	87.4	98.0	66.7	72.8	91.4	78.7	86.8	99.8		
Sesamum	94.3	94.2	73.3	97.1	83.9	74.0	83.3	86.7	96.5	115.4		
Rapeseed & Mustard	88.4	80.6	112.1	121.6	107.0	98.1	116.0	112.6	118.3	141.4		
Linseed	95.2	97.7	81.8	89.2	79.9	64.1	90.9	71.6	96.1	91.7		
Castorseed	85.6	99.2	104.5	106.5	87.6	92.0	92.7	98.8	102.8	103.8		
Oilseeds	92.5	91.0	98.5	110.7	84.2	85.1	104.7	94.1	104.0	119.6		
Cotton	92.9	93.8	130.9	129.1	109.5	120.8	129.9	128.9	129.4	114.0		
Jute	87.6	90.9	93.9	102.6	84.3	96.1	102.8	79.6	105.3	93.7		
Mesta	100.0	143.0	117.1	123.6	105.0	107.8	112.8	92.1	98.9	106.9		
Fibres	91.4	93.2	116.2	123.0	102.4	114.4	124.3	107.2	121.7	108.8		
Tea	103.4	105.8	114.4	130.2	123.0	125.1	129.6	130.9	128.0	137.3*		
Coffee	108.4	188.2	194.2	184.8	194.1	241.2	175.5(R)	221.1(R)	191.3*	324.9*		
Rubber	111.8	114.1	76.8	89.9	95.8	103.2	117.2(R)	123 (K)	131.6*	131.6*		
Plantation Crops	105.0	107.9	104.5	109.5	106.0	110.9	110.3	114.4(R)	111.3	123.4		
Sugarcane (gur)	97.7	95.7	112.4	114.3	107.3	98.4	113.9	120.6	119.4	117.7		
Tobacco	94.7	95.8	99.0	115.4	102.5	109.9	114.7	108.1	102.6*	102.6*		
Potatoes	104.9	110.7	107.9	116.5	118.1	103.2	117.1	125.0	111.0*	111.0*		
Pepper (black)	96.7	118.2	104.1	85.5	85.0	84.5	81.2	79.6	79.5	81.9		
Chillies (dry)	103.5	104.3	109.7	116.3	100.7	101.7	111.6	105.5	101.6	101.5		
Ginger (dry)	132.2	141.9	134.5	145.6	153.3	146.5	143.7	145.1	156.2	208.1		
Miscellaneous Crops	98.2	105.8	117.7	120.9	113.9	105.8	117.1	112.9	120.6	119.5		
Non-Foodgrains	95.6	91.7	108.1	113.1	101.6	97.9	106.9	111.9	115.8	118.3		
All Commodities	95.7	101.6	117.7	127.2	108.7	107.9	126.1	127.0	132.3	140.6		

\* Based on provisional estimates. (R) Revised.

Note: Foodgrains indices for 1965-67 and 1967-68 are based on partially revised estimates while those for 1968-69 to 1970-71 are based on final estimates. In the case of other crops indices for 1955-57 to 1969-70 are generally based on partially revised estimates. Indices of 1970-71 are generally based on final estimates. The indices for these years are, therefore, subject to revision.

TABLE 2.6  
Percentage Distribution of Area Under High Yielding Varieties and Multiple Cropping Programmes in India by States, 1968-69 to 1970-71:

1	(Area in '000 hectares)											
	1968-69				1969-70				1970-71			
	HYVP Area	%	MCP Area	%	HYVP Area	%	MCP Area	%	HYVP Area	%	MCP Area	%
SOUTH	1430	15.63	1215.5	19.93	2484	19.74	1628.5	21.34	2428	17.65	1919.5	20.81
Andhra Pradesh	273	2.98	662.3	10.86	595	4.73	887.3	11.63	662	4.81	1037.3	11.24
Kerala	168	1.84	47.0	0.77	239	1.90	56.0	0.73	283 X	2.06	66.0	0.72
Mysore	300	3.28	274.1	4.50	393	3.12	274.1	3.59	544	3.95	322.1	3.49
Tamilnadu	684	7.48	223.9	3.67	1232	9.79	402.9	5.28	917	6.66	485.9	5.27
Pondicherry	5	0.05	8.2	0.13	25	0.20	8.2	0.11	22	0.16	8.2	0.09
WEST	1643	17.96	698.6	11.46	1730	13.75	808.6	10.60	749	19.98	1004.6	10.89
Gujarat	406	4.44	569.2	9.33	321	2.55	573.2	7.51	531	3.86	665.2	7.21
Madhya Pradesh	266	2.91	69.3	1.14	429	3.41	125.3	1.64	647	4.70	189.3	2.05
Maharashtra	966	10.56	55.5	0.91	962	7.65	105.5	1.38	1562	11.35	145.5	1.58
Goa	5	0.05	4.6	0.08	18	0.14	4.6	0.06	9	0.07	4.6	0.05
NORTH	4883	53.38	2455.8	40.27	6580	52.30	3005.2	39.38	6314	45.89	3655.6	39.62
Haryana	329	3.60	20.3	0.33	609	4.84	100.3	1.31	660	4.80	180.3	1.95
Jammu and Kashmir	162	1.77	60.7	1.00	168	1.34	60.7	0.80	192	1.40	60.7	0.66
punjab	1087	11.88	311.7	5.11	1627	12.93	436.7	5.72	1639	11.91	436.7	4.73
Rajasthan	292	3.20	240.5	3.94	535	4.25	428.5	5.62	591	4.30	628.5	6.81
Uttar Pradesh	2948	32.22	1772.1	29.06	3507	27.87	296.1	25.24	3100	22.53	2280.1	24.71
Delhi	34	0.37	40.3	0.66	42	0.33	42.7	0.56	31	0.23	45.1	0.49
Himachal Pradesh	31	0.34	10.2	0.17	92	0.73	10.2	0.13	101	0.73	24.2	0.26

TABLE 2.6 (Contd.)

EAST	1192	13.03	1278.3	20.96	1788	14.21	2189.2	28.69	2368	16.48	2646.1	28.69
Assam	69	0.75	89.1	1.46	122	0.97	149.8	1.96	140	1.02	189.8	2.06
Bihar	610	6.67	917.8	15.05	836	6.64	961.9	12.60	931	6.77	1076.8	11.67
Orissa	156	1.71	318.2	5.22	182	1.45	549.2	7.20	244	1.77	724.2	7.85
West Bengal	357	3.90	403.2	6.61	647	5.14	524.2	6.87	947	6.88	645.2	6.99
Manipur	...	...	...	...	1	0.02	...	...	4	0.03	...	...
Tripura	...	...	...	...	...	...	...	...	...	...	...	...
Nagaland	..	...	...	...	...	...	...	...	2	0.02	..	...
Nepal	...	...	...	...	...	...	4.1	0.06	...	...	10.1	0.12
ALL INDIA	9148	100.00	6098.7	100.00	12582	100.00	7631.5	100.00	13759	100.00	9225.8	100.00

HYVP - High yielding Varieties Programme. MCP - Multiple Cropping Programme. X The estimate of the Bureau of Economics & Statistics is 159 anticipate coverage. Source: Fertiliser News, May 1971.



TABLE 2.8

Consumption of Fertilisers per Hectare of Agricultural Land in Terms of NPK (Statewise), 1969-70 and 1970-71.

State	Consumption in Kg. per hectare during 1969-70				Consumption in kg. per hectare during 1970-71.			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>SOUTH</b>	14.44	4.19	2.21	20.84	13.31	4.48	2.71	20.50
Andhrapradesh	16.76	4.39	0.93	22.28	14.87	3.24	1.23	19.34
Kerala	10.59	7.17	7.52	25.28	8.69	4.68	5.32	18.69
Mysore	9.97	2.48	1.13	10.58	7.36	2.96	8.07	12.39
Tamilnadu	18.68	5.24	4.14	28.06	21.98	7.19	5.33	34.50
Pondicherry	52.95	37.25	24.51	114.71	57.41	37.04	22.59	117.04
<b>WEST</b>	3.48	1.42	0.61	5.51	4.81	2.33	0.84	7.96
Gujarat	5.61	2.49	0.27	8.37	9.23	4.63	0.51	14.37
Madhya Pradesh	1.55	0.66	0.13	2.34	2.20	1.08	0.17	3.45
Maharashtra	4.38	1.63	1.32	7.33	5.31	2.48	1.72	9.51
Goa	6.14	3.99	0.76	10.89	3.67	1.75	0.60	6.02
<b>NORTH</b>	10.04	2.51	1.21	13.76	11.00	2.43	1.09	14.53
Haryana	10.13	1.10	0.39	11.62	14.81	1.67	0.54	17.02
Himachalpradesh	1.11	0.28	0.05	1.44	1.25	0.72	0.32	2.29
Jammu & Kashmir	2.59	0.61	0.27	3.47	3.43	1.22	0.32	4.97
Punjab	28.31	4.06	1.20	33.57	33.00	5.92	1.32	40.24
Rajasthan	1.82	0.48	0.09	2.39	2.52	0.70	0.11	3.33
Uttar Pradesh	13.33	4.29	2.39	20.01	12.54	3.21	1.92	17.67
Delhi	20.28	1.86	0.68	22.82	24.95	3.28	1.43	29.66
<b>EAST</b>	4.25	1.49	0.93	6.67	4.67	1.20	0.78	6.65
Assam	1.05	0.54	0.36	1.95	1.46	0.61	0.45	2.52
Bihar	7.32	2.77	11.33	14.42	6.62	1.57	0.62	8.81
Orissa	2.03	0.52	0.34	2.91	2.32	0.56	0.24	3.12
West Bengal	4.66	1.50	1.48	7.64	6.43	1.70	1.89	10.02
Manipur	2.86	0.26	0.03	3.15	2.15	0.20	0.05	2.40
Nagaland	0.12	0.14	0.04	0.30	0.41	0.22	0.22	0.85
Tripura	0.30	0.06	0.04	0.04	0.69	0.16	0.13	0.98
<b>All India</b>	7.77	2.36	1.19	11.32	8.40	2.61	1.29	12.30

Note:-1. Data on Agricultural land have been taken from table 1.01 Part II. It includes total cropped area, permanent pastures and other grazing lands and land under miscellaneous tree crops, etc.

2. Calculated on the basis of consumption figures, provided at the Zonal Committee Meetings of the Ministry of Agriculture.

TABLE 2.9

Consumption of Fertilisers per Hectare of Cropped Area in Terms of N P K (Statewise), 1969-70 and 1970-71.

State	Consumption in Kg. per hectare during 1969-70				Consumption in kg. per hectare during 1970-71			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
<b>SOUTH</b>	15.23	4.73	2.49	22.45	15.05	5.07	3.06	23.18
Andhra Pradesh	18.70	4.89	1.04	24.63	16.62	4.74	1.38	22.74
Kerala	11.44	7.74	8.12	27.30	9.23	4.97	5.66	19.86
Mysore	8.31	2.96	1.34	12.61	8.76	3.52	2.47	14.75
Tamil Nadu	20.23	5.68	4.49	30.40	23.86	7.81	5.79	37.46
Pondicherry	57.45	40.43	26.60	124.48	60.78	39.22	23.92	123.92
<b>WEST</b>	3.95	1.61	0.70	6.26	5.38	2.61	0.92	8.91
Gujarat	6.18	2.75	0.29	9.22	10.14	5.09	0.56	15.79
Madhyapradesh	1.87	0.79	0.16	2.82	2.57	1.26	0.21	4.04
Maharashtra	4.74	1.11	1.43	7.94	5.74	2.68	1.86	10.28
Goa	6.23	4.04	0.77	11.04	3.73	1.78	0.61	6.12
<b>NORTH</b>	10.98	2.74	1.32	15.04	12.08	2.67	1.19	15.94
Haryana	10.22	1.11	0.39	11.72	15.04	1.69	0.55	17.28
Himachalpradesh	3.21	0.81	0.14	4.16	3.48	1.98	0.88	6.34
Jammu & Kashmir	3.38	0.79	0.35	4.52	4.47	1.60	0.42	6.49
Punjab	28.46	4.07	1.20	33.67	33.06	5.93	1.32	40.31
Rajasthan	2.03	0.53	0.10	2.66	2.85	0.79	0.13	3.77
Uttar Pradesh	13.86	4.46	2.48	20.80	13.03	3.33	1.99	18.35
Delhi	20.28	1.86	0.68	22.82	25.20	3.31	1.44	29.95
<b>EAST</b>	4.72	1.65	1.04	7.41	5.14	1.32	0.86	7.32
Assam	1.23	0.63	0.42	2.28	1.69	0.71	0.52	2.92
Bihar	7.63	2.89	1.39	11.91	6.84	1.62	0.65	9.11
Orissa	2.39	0.64	0.40	3.43	2.73	0.74	0.28	3.75
West Bengal	5.09	1.64	1.61	8.34	9.70	1.86	2.07	13.63
Manipur	3.25	0.29	0.03	3.57	2.43	0.23	0.05	2.72
Nagaland	0.12	0.14	0.04	0.30	0.41	0.22	0.22	0.85
Tripura	0.43	0.08	0.06	0.57	0.95	0.22	0.19	1.36
<b>All India</b>	<b>8.67</b>	<b>2.63</b>	<b>1.33</b>	<b>12.63</b>	<b>9.34</b>	<b>2.90</b>	<b>1.43</b>	<b>3.97</b>

Note: 1. Data on cropped area have been taken from table 1.01 Part II.

2. Calculated on the basis on consumption figures provided at the Zonal Committee Meetings of Ministry of Agriculture.

TABLE 2.10

Statewise Consumption Ratios of N, P<sub>2</sub>O<sub>5</sub> and K<sub>2</sub>O  
1970-71.

STATE	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
SOUTH	1	0.34	0.20
Andhra Pradesh	1	0.29	0.83
Kerala	1	0.54	0.61
Mysore	1	0.40	0.28
Tamil Nadu	1	0.33	0.24
Pondicherry	1	0.65	0.39
WEST	1	0.49	0.17
Gujarat	1	0.50	0.06
Madhya Pradesh	1	0.49	0.08
Maharashtra	1	0.47	0.32
Goa	1	0.48	0.16
NORTH	1	0.22	0.10
Haryana	1	0.11	0.04
Jammu & Kashmir	1	0.36	0.09
Punjab	1	0.18	0.04
Rajasthan	1	0.28	0.05
Uttar Pradesh	1	0.26	0.15
Delhi	1	0.13	0.06
Himachal Pradesh	1	0.57	0.25
EAST	1	0.27	0.17
Assam	1	0.42	0.31
Bihar	1	0.24	0.09
Orissa	1	0.27	0.10
West Bengal	1	0.26	0.29
Tripura	1	0.23	0.20
Manipur	1	0.09	0.02
Nagaland	1	0.55	0.55
All India	1	0.31	0.15

+ April to March

Fertilizer Statistic 1970-71 p. 196.

TABLE 2.11

Trends in Production of Pesticides in India, 1955 to 1970  
(Index Base: 1955=100)

Year	Licensed capacity		Production		Percentage capacity	
	Tonnes	Index	Tonnes	Index	Utilised	Idle
1	2	3	4	5	6	7
1955	2700	100.00	2303	100.00	85	15
1960	9108	337.33	7442	323.15	82	18
1965	35141	1301.52	12670	550.16	36	64
1970	59914	2219.03	26000	1128.97	43	57

Source: Pesticides Association for India.

TABLE 2.12

Percentage of Cultivators using green manure, oil cakes, Chemical Pesticides and improved implements (Statewise), 1964-65

Sl. No.	State	KHARIF				RABI			
		Green manure	Oil cake	Chemical pesticides	Improved implements	Green manure	Oil cake	Chemical pesticides	Improved implements
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	17.4	10.2	26.1	9.8	14.2	5.2	19.5	7.2
2	Assam	4.4	0.5	11.5	0.9	2.1	0.6	6.5	0.8
3	Gujarat	3.9	6.3	8.7	34.2	1.5	3.2	9.9	28.9
4	Jammu & Kashmir	2	...	3.0	10.0	1.5	...	7.7	22.4
5	Kerala	8.7	1.5	13.6	1.7	12.6	1.8	15.6	1.7
6	Madhyapradesh	4.9	0.25	5.6	24.8	1.2	0.2	1.5	53.1
7	Maharashtra	1.2	1.8	26.2	34.1	0.40	1.27	33.7	41.5
8	Mysore	14.6	2.4	22.8	27.5	...	...	...	...
9	Orissa	10.3	2.8	7.1	4.4	0.7	1.3	4.7	...
10	Punjab	6.7	*	18.2	47.4	0.7	*	17.5	55.2
11	Rajasthan	0.8	0.1	3.1	3.8	4.5	0.24	9.8	7.6
12	Tamilnadu	46.5	21.6	33.9	20.5	16.9	6.1	9.3	6.8
13	Uttarpradesh	4.3	0.5	9.4	15.9	2.3	0.51	4.6	16.7
14	West Bengal	9.3	11.9	21.6	4.9	1.9	29.0	25.5	4.7

\* Since no cultivator in the sample Village reported the use of oilcake, the number of cultivators using it could be not estimated.

Source: Regional variations in social development and levels of living vol. II Table V as reproduced in Agro-Industries in Maharashtra—problems & prospects P.223.

TABLE 2.13

Energisation of Pumpsets in India During the Decade 1971-81.

Programme.	No. of pumpsets (lakhs)
i Energised as on 31st March 1971	16.30
ii Expected additions during the remaining period of the IVth plan	9.60
iii Proposed additions during the Vth plan	27.50
iv Proposed additions in the remaining two years of the decade (1979-1981)	11.60
v Total number of energised pumpsets expected as on 31st March 1981	65.00
vi Percentage increase in energisation, 1971-81	298.8

Source:- Bhagirath, Vol XIX No.1, January 1972 p.5.



TABLE 2.14

Demand For Mechanised Implements in India by States During Fourth Plan (1968-69 to 1973-74)  
(Number and Percentage Distribution)

STATE	Tractors		Electrical Pump sets		Diesel Pump sets		Private Tube wells		State Tube wells	
	Numbers	%	Numbers	%	Numbers	%	Numbers	%	Numbers	%
1	2	3	4	5	6	7	8	9	10	11
1 Andhra Pradesh	20000	4.61	150000	12.00	75000	12.50	10000	2.74	...	...
2 Assam	750	0.17	10000	0.80	10000	1.67	1000	0.27	...	...
3 Bihar	13673	3.15	120000	9.60	45000	7.50	50000	13.70	1000	15.15
4 Gujarat	11500	2.65	90000	7.20	40000	6.67	1000	0.27	400	6.06
5 Haryana	35900	8.27	50000	4.00	20000	3.33	25000	6.85	400	6.06
6 Jammu & Kashmir	100	0.02	5000	0.40	5000	0.83	...	...	500	7.58
7 Kerala	10050	2.32	20000	1.60	20000	3.33	1000	0.27	...	...
8 Madhyapradesh	15200	3.50	75000	6.00	40000	6.67	7000	1.92	100	1.52
9 Maharashtra	5750	1.32	100000	8.00	75000	12.50	1000	0.27	...	...
10 Mysore	7640	1.76	120000	9.60	40000	6.67	1000	0.27	...	...
11 Nagaland	46	0.01	500	0.04	...	...	...	...	...	...
12 Orissa	2905	0.67	20000	1.60	7000	0.83	1000	0.27	200	3.03
13 Punjab	104200	24.01	100000	8.00	25000	4.17	100000	27.40	400	6.06
14 Rajasthan	28750	6.62	40000	3.20	25000	4.17	1000	0.27	100	1.52
15 Tamil Nadu	11550	2.66	160000	12.80	5000	0.83	5000	1.37	100	1.52
16 Uttar Pradesh	161700	37.25	175000	14.00	140000	23.33	150000	41.10	2400	36.36
17 West Bengal	1463	0.34	10000	0.80	20000	3.33	10000	0.74	1000	15.15
Total States	431177	99.34	1245500	99.64	590000	98.34	364000	99.73	6600	100.00
Union Territories	2875	0.66	4500	0.36	10000	1.67	1000	0.27	...	...
All India	434052	100.00	1250000	100.00	600000	100.00	365000	100.00	6600	100.00

Source: I S A E News, January 1970 p.14

TABLE 2.15

Percentage Distribution of Imported Tractors Distributed Through State  
Agro Industries Corporation in India by States, 1968-69 and 1969-70.

STATE	1968-69		1969-70		Pending requirements of Tractors for over a year	
	Numbers	Percentage	Numbers	Percentage	Numbers	Percentage
1	2	3	4	5	6	7
1 Andhra	1104	7.61	2300	7.67	9102	11.63
2 Assam	175	1.21	300	1.00	Nil	
3 Bihar	1445	9.97	2100	7.00	2500	3.19
4 Gujarat	1328	9.16	1600	5.23	5081	6.49
5 Haryana	611	4.21	2000	6.67	8876	11.34
6 Jammu & Kashmir	160	1.10	200	0.67	Nil	
7 Kerala	400	2.76	800	2.67	500	0.64
8 Madhya Pradesh	875	6.04	1800	6.00	1140	1.46
9 Tamil Nadu	1010	6.97	1800	6.00	2531	3.23
10 Maharashtra	1192	8.22	1850	6.17	1936	2.47
11 Mysore	920	6.35	1900	6.33	9939	12.70
12 Orissa	185	1.28	250	0.83	21	0.03
13 Punjab	1753	12.09	3000	10.00	19030	24.33
14 Rajasthan	1000	6.90	2000	6.67	4217	5.39
15 Uttar Pradesh	1685	11.62	3400	11.33	13315	17.01
16 West Bengal	220	1.52	300	1.00	70	0.09
17 Union Territories						
or Reserve*	435	3.00	900	3.00	Nil	
Miscellaneous Allotment						
18 Defence	...	...	2500	8.33	...	...
19 Custom Hiring	...	...	1000	3.33	...	...
Total	14498	100.00	30000	100.00	78258	100.00

\*Import of balance 1000 (R S O 9) tractors suspended

Source: I.S.A.E News October 69, October 70.

TABLE 2.16

## Development of Irrigation Potential and Utilisation in India 1950-51-68-69

(Million hectares)

	Ultimate potential	1950-51 potential	1960-61 Utilisa- tion poten- tial	1968-69 poten- tial	1968-69 Utili- sation poten- tial	Un-utilised poten- tial (col (6-7))	Percentage of col (7) to col (6)	Percentage of col (6) to col (1)		
	1	2	3	4	5	6	7	8	9	10
1 Surface water (a+b)	60	16.1	16.1	21.0	19.7	26.6	25.0	1.6	94.0	44.0
(a) Major & medium	45	9.7	9.7	14.4	13.1	18.5	16.9	1.6	91.4	41.1
(b) Minor	15	6.4	6.4	6.6	6.6	8.1	8.1	...	100.0	54.0
2 Ground water (Minor)	22	6.5	6.5	8.2	8.2	10.9	10.9	...	100.0	49.5
Total (1+2)	82	22.6	22.6	29.2	27.9	37.5	35.9	1.6	95.7	45.7

Notes- (1) In the case of minor irrigation, utilisation has been assumed to be the same as potential, as actual utilisation figures are not available.

(2) a Minor irrigation comprises ground water schemes and those surface water scheme which are estimated to cost up to Rs. 15 lakhs each.

b Medium schemes are those estimated to cost above 15 lakhs and upto Rs. 5 crores.

c Major schemes are those above 5 crores.

Source:- Planning commission, IVth Five Year plan, 1969-74 p.247.

TABLE 2.17

## Ground Water Resources in India

1 Annual recharge	Million cubic metres	3,70,044
2 Annual use	"	61,674
3 Proportion of annual use to annual recharge	Per cent	25.0
4 Per capita recharge	Cubic metres	672
5 Per capita annual use	"	112
6 Per hectare annual recharge	"	1,132
7 Per hectare annual use	"	189

Source:- Dr. K.L. Rao "Scope of Geohydrology in India" Bhagirath July, 1965.

TABLE 2.18

Trends in Area Under Irrigation in India, 1950-51 — 1966-67  
(000 hectares)

Year	Gross cropped area	Gross irrigated area	Percentage of col (2) to col (1)	Net sown area	Net irrigated area	Percentage of col (5) to col (4)
1	2	3	4	5	6	
1950-51	131893	22563	17.1	118746	20853	17.6
1955-56	147311	25642	17.4	129156	22758	17.6
1960-61	152772	27980	18.3	133199	24661	18.5
1964-65	159229	30704	19.3	38120	26600	19.3
1966-67(P)	156567	32754	20.9	137047	27478	20.1

Note: P = Provisional

Source: Director of Economics and Statistics, Government of India, Ministry of food, Agriculture, Community Development and co-operation, Indian Agriculture in brief, Tenth edition January 1970 PP. 26,27 and P.29.

TABLE 2.19

## TRENDS IN IRRIGATION BY SOURCES IN INDIA 1950-51 1966-67

Source:	1950-51	1955-56	1960-61	1964-65	1966-67 (P)
1	2	3	4	5	6
Government Canals	7158 (34.3)	8025 (35.3)	9170 (37.2)	10080 (37.9)	10267 (37.4)
Private Canals	1137 (5.5)	1360 (6.0)	1200 (4.9)	1143 (4.3)	1088 (4.0)
Tanks	3613 (17.3)	4423 (19.4)	4561 (18.5)	4780 (18.0)	4570 (16.6)
Wells	5978 (28.7)	6339 (29.6)	7290 (29.6)	8075 (30.3)	9478 (34.5)
Others	2967 (14.2)	2211 (9.7)	2440 (9.8)	2522 (9.5)	2075 (7.5)
<b>Net irrigated area-</b>					
Total	20853 (100.0)	22758 (100.0)	24661 (100.0)	26600 (100.0)	27478 (100.0)

Note:— 1 P = provisional

(2) Figures in brackets indicate percentage to total net irrigated area.

Source:— Directorate of Economics and Statistics Government of India, Ministry of Food Agriculture, Community Development and co-operation, Indian Agriculture in brief, Tenth edition, January 1967 p.26.

TABLE 2.20

Distribution of Crop-wise Irrigated Area in India by States, 1966-67.  
(Lakh hectares)

Region	1	2	3	4	5	6	7	8	9	10
	Rice	Jowar	Wheat	Gram	Sugar cane	Groundnut	Cotton	Others	Gross irrigated area	
<b>STATES</b>										
Andhra Pradesh	30.62 (80.0)	0.25 (0.7)	..	..	..	1.06 (2.8)	1.54 (4.0)	0.08 (0.2)	4.67 (12.2)	38.25 (100.0)
Assam	5.71 (93.3)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.41 (6.7)	6.12 (100.0)
Bihar	13.04 (64.9)	..	0.50 (2.5)	0.50 (2.5)	0.38 (1.9)	..	..	..	2.40 (11.9)	20.10 (100.0)
Gujarat	0.96 (9.0)	0.57 (5.3)	0.04 (0.4)	0.04 (0.04)	0.39 (3.6)	0.12 (1.1)	1.95 (18.2)	3.27 (30.5)	10.72 (100.0)	
Haryana	1.38 (7.9)	0.72 (4.1)	2.68 (15.4)	2.56 (15.4)	1.27 (7.3)	..	1.77 (10.2)	4.42 (25.5)	17.36 (100.0)	
Jammu & Kashmir	1.97 (65.4)	..	..	..	0.01 (0.3)	0.0	0.0	0.85 (28.3)	3.01 (100.0)	
Kerala	4.24 (80.5)	0.0	0.0	0.0	0.04 (0.7)	0.0	0.0	0.99 (18.8)	5.27 (100.0)	
Madhya Pradesh	5.76 (51.8)	0.01 (0.1)	0.68 (6.1)	0.68 (6.1)	0.39 (3.5)	0.01 (0.1)	0.06 (0.5)	2.01 (18.0)	11.13 (100.0)	
Maharashtra	2.49 (17.9)	3.16 (22.8)	0.44 (3.2)	0.44 (3.2)	1.71 (12.3)	0.26 (1.9)	0.47 (3.4)	3.30 (23.8)	13.88 (100.0)	
Mysore	6.75 (56.9)	0.88 (7.4)	0.03 (0.2)	0.03 (0.2)	0.89 (7.5)	N.A.	0.50 (4.2)	2.69 (22.7)	11.87 (100.0)	
Nagaland	0.12 (100.0)	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.12 (100.0)	
Orissa	9.81 (86.0)	0.0	0.0	0.0	0.14 (2.0)	0.0	0.02 (0.2)	1.30 (11.4)	11.41 (100.0)	
Punjab	2.44 (7.3)	0.04 (0.1)	2.20 (6.6)	2.20 (6.6)	1.30 (3.9)	0.19 (0.6)	4.20 (12.5)	11.54 (34.4)	33.50 (100.0)	
Rajasthan	0.19 (0.9)	0.17 (0.8)	2.42 (11.4)	2.42 (11.4)	0.29 (1.5)	0.5 (0.3)	1.78 (8.4)	9.94 (46.7)	21.21 (100.0)	
Tamil Nadu	24.86 (73.7)	1.44 (4.2)	..	..	0.90 (2.7)	1.40 (4.2)	0.86 (2.6)	4.26 (12.6)	33.72 (100.0)	
Uttar Pradesh	7.73 (10.8)	0.16 (0.2)	6.03 (8.4)	6.03 (8.4)	7.66 (10.7)	0.02	0.61 (0.9)	23.43 (32.7)	71.62 (100.0)	
West Bengal	13.15 (87.7)	..	0.0	0.0	0.17 (1.2)	0.0	0.0	1.40 (9.3)	14.99 (100.0)	
Total	131.22 (40.5)	7.40 (2.3)	15.02 (4.6)	15.02 (4.6)	16.70 (5.2)	3.60 (1.2)	12.30 (3.8)	76.88 (23.7)	324.28 (100.0)	
Union Territories	1.76 (54.0)	0.01 (0.3)	0.01 (0.3)	0.01 (0.3)	0.05 (1.5)	0.04 (1.2)	0.0	0.67 (20.6)	3.26 (100.0)	
India	132.98 (40.6)	7.41 (2.3)	15.03 (4.5)	15.03 (4.5)	16.75 (5.1)	3.64 (1.1)	12.30 (3.8)	77.55 (23.7)	327.54 (100.0)	

Notes: (i) Figures in brackets indicate percentage to gross irrigated area.

(ii) .. Less than 500 hectares.

Directorate of Economics and Statistics, Government of India, Ministry of food, agriculture community Development and C-operation, Indian Agriculture in brief Tenth edition 1970, pp. 32-33.

TABLE 2.21

## Irrigation in India by Sources (State-wise), 1966-67

(lakh hectares)

Region	Net irrigated area by Sources-					Percentage of net area irrigated to net sown area
	Canals	Tanks	Wells	Others	Total Cols 1+2+3+4	
	1	2	3	4	5	6
<b>STATES</b>						
Andhrapradesh	12.48 (40.7)	12.58 (41.0)	4.62 (15.0)	1.02 (3.3)	30.70 (100.0)	27.1
Assam	3.64 (59.5)	...	....	2.48 (40.5)	6.12 (100.0)	25.8
Bihar	6.34 (39.6)	1.38 (8.6)	3.84 (24.0)	4.45 (27.8)	16.01 (100.0)	21.6
Gujarat	1.40 (13.4)	0.30 (2.9)	8.61 (82.7)	0.10 (1.0)	10.41 (100.0)	10.7
Haryana	9.91 (76.6)	0.04 (0.3)	2.89 (22.4)	0.09 (0.7)	12.93 (100.0)	37.8
Jammu & Kashmir	2.70 (97.1)	Neg	0.01 (0.4)	0.07 (2.5)	2.78 (100.0)	41.4
Kerala	1.89 (48.1)	0.72 (18.3)	0.05 (1.3)	1.27 (32.3)	3.93 (100.0)	18.8
Madhyapradesh	4.70 (43.2)	1.95 (17.8)	3.71 (34.1)	0.53 (4.9)	10.89 (100.0)	6.3
Maharashtra	2.49 (20.6)	1.90 (15.8)	7.11 (59.0)	0.56 (4.6)	12.06 (100.0)	6.6
Mysore	3.76 (36.8)	3.20 (31.3)	1.78 (17.4)	1.48 (14.5)	10.22 (100.0)	10.2
Nagaland	....	...	...	0.12 (100.0)	0.12 (100.0)	2.52
Orissa	2.25 (23.0)	4.95 (50.7)	0.38 (3.9)	2.19 (22.4)	9.77 (100.0)	16.3
Punjab	12.73 (55.9)	0.03 (0.1)	9.81 (43.2)	0.19 (0.8)	22.76 (100.0)	58.8
Rajasthan	6.42 (30.5)	2.14 (10.1)	12.41 (58.5)	0.24 (1.1)	21.21 (100.0)	14.5
Tamil Nadu	8.60 (34.2)	9.65 (38.4)	6.40 (25.6)	0.46 (1.8)	25.11 (100.0)	41.3
Uttarpradesh	23.92 (38.2)	3.43 (5.5)	32.68 (52.3)	25.5 (4.0)	62.55 (100.0)	36.1
West Bengal	9.41 (63.7)	3.34 (22.5)	0.16 (1.1)	1.87 (12.7)	14.78 (100.0)	26.5
States Total	112.64 (41.4)	45.61 (16.7)	94.46 (34.7)	19.64 (7.2)	272.35 (100.0)	20.0
Union Territories	0.91 (37.4)	0.09 (3.7)	0.32 (13.2)	1.11 (45.7)	2.43 (100.0)	20.3
<b>INDIA</b>	<b>113.55 (41.3)</b>	<b>45.70 (10.6)</b>	<b>94.78 (34.5)</b>	<b>20.75 (7.2)</b>	<b>274.78 (100.0)</b>	<b>20.1</b>

Note: Figures in brackets indicate percentage to total net irrigated area.

Source: Directorate of Economics and Statistics, Government of India, Ministry of Food and Agriculture, Community Development and Co-operation, Indian agriculture in Brief, Tenth edition 1170 p.31.

TABLE 2.22  
Percentage Distribution Under Each Source of Irrigated Area in India by States, 1966-67

STATE	Net irrigated area by source (area in lakh hectares)											% of net irrigated area to net area sown						
	1	2	3	4	5	6	7	8	9	10	11		12					
	Area	Area	% distri- bution	Canals	Area	% distri- bution	Tanks	Area	% distri- bution	Wells	Area	% distri- bution	Others	Area	% distri- bution	Total [2+4+6+8]	Area	% distri- bution
Andhra Pradesh	12.48	10.99	12.58	27.53	4.62	4.87	1.02	4.92	30.70	11.17	27.1							
Assam	3.64	3.21	...	...	...	...	2.48	11.95	6.12	2.23	25.8							
Bihar	6.34	5.58	1.38	3.20	3.84	4.05	4.45	21.45	16.01	5.83	21.6							
Gujarat	1.40	1.23	0.30	0.65	8.61	9.08	0.10	0.48	10.41	3.79	10.7							
Haryana	9.91	8.73	0.04	0.09	2.89	3.05	0.09	0.43	12.93	4.71	37.8							
Jammu & Kashmir	2.70	2.38	Neg	...	0.01	0.01	0.07	0.34	2.78	1.01	41.4							
Kerala	1.89	1.66	0.72	1.58	0.05	0.05	1.27	6.12	3.93	1.43	18.8							
Madhya Pradesh	4.70	4.14	1.95	4.27	3.71	3.91	0.53	2.55	10.89	3.96	6.03							
Maharashtra	2.49	2.19	1.90	4.15	7.11	7.51	0.56	2.70	12.06	4.39	6.6							
Mysore	3.76	3.31	3.20	7.00	1.78	1.88	1.48	7.14	10.22	3.72	10.2							
Nagaland	...	...	...	...	...	...	0.12	0.58	0.12	0.04	25.5							
Orissa	2.25	1.98	4.95	10.83	0.38	0.40	2.19	10.55	9.77	3.56	16.3							
Punjab	12.73	11.21	0.03	0.06	9.81	10.36	0.19	0.92	22.76	8.28	58.8							
Rajasthan	6.42	5.65	2.14	4.68	12.41	13.09	0.24	1.16	21.21	7.72	14.5							
Tamil Nadu	8.60	7.57	9.65	21.12	6.40	6.75	0.46	2.22	25.11	9.14	41.3							
Uttar Pradesh	23.92	21.07	3.43	7.51	32.68	34.48	2.52	12.14	62.55	22.76	36.1							
West Bengal	9.41	8.30	3.34	7.31	0.16	0.17	1.87	9.01	14.78	5.38	26.5							
Union Territories	0.91	0.80	0.09	0.20	0.32	0.34	1.11	5.35	2.43	0.88	20.3							
INDIA	113.55	100.00	45.70	100.00	94.78	100.00	20.75	100.00	274.78	100.00	20.1							

Source: Indian Agriculture in brief 10th edition, 1970 p.31

TABLE 2.23

Irrigation Potential and Benefits from Major and Medium Irrigation Schemes in India by States, 1968-69 and 1973-74. (Gross area: Lakh hectares)

States	Ultimate	Total at the end of 1968-69			Total at the end of 1973-74 (estimate)				
	Potential	Potential	Utilisation	Percentage of		Potential	Utilisation	Percentage of	
				Col 3 to	Col 2 to			col.7 to	col 6 to
				col.2	col.1			col.6	col.1
	1	2	3	4	5	6	7	8	9
Andhra pradesh	64.80	24.27	22.48	92.6	37.5	30.56	26.61	87.1	47.2
Assam	9.70	0.83	0.79	95.2	8.6	1.35	1.12	83.0	13.9
Bihar	42.90	18.40	13.60	73.9	42.9	28.90	23.80	82.4	67.4
Gujarat	21.50	4.83	3.43	71.0	22.5	8.33	6.93	83.2	38.7
Haryana	a	9.20	9.00	97.8	...	10.70	10.00	93.5	...
Jammu & Kashmir	1.00	0.63	0.61	96.8	65.0	0.79	0.71	89.9	79.0
Kerala	6.30	3.37	3.37	100.0	53.5	4.56	4.48	98.2	72.4
Madhyapradesh	56.30	9.43	6.85	72.6	16.7	13.03	9.98	76.6	23.1
Maharashtra	23.50	6.29	4.79	76.2	26.8	10.09	7.89	78.2	42.9
Mysore	17.80	7.98	7.08	88.7	44.8	8.93	8.33	93.3	50.2
Orissa	24.30	10.90	10.55	96.8	44.9	13.50	12.45	92.2	55.6
Punjab	41.40	23.41	23.37	99.8	56.5	23.66	23.46	99.2	57.1
Rajasthan	31.50	10.20	9.20	90.2	32.4	13.10	11.30	86.3	41.6
Tamil Nadu	15.60	14.51	14.31	98.6	93.0	15.21	15.01	98.7	97.5
Uttar pradesh	76.10	30.41	29.61	97.4	40.0	37.21	34.11	91.7	48.9
West Bengal	23.10	11.00	10.50	95.5	47.6	13.40	12.30	91.8	58.0
Total	455.80	185.66	169.54	91.3	40.7	233.32	208.48	89.4	41.2

Note.— a Included in Punjab.

Source: Plannig Commission, IVth Five year Plan 1969-74, 1970 p 262.



TABLE 2. 24

Growth of Livestock Population in India,  
1951 to 1966

(Index Base: 1956=100)

Details	1951	1956	1961	1966
1	2	3	4	5
I CATTLE	97.92	100.00	110.72	110.97
a) Males over 3 year	95.22	100.00	111.71	112.94
b) Females over 3 years	100.00	100.00	108.62	109.62
c) Young Stock	99.54	100.00	123.74	124.89
II BUFFALOES	96.66	100.00	114.03	117.82
a) Males over 3 years	104.62	100.00	118.46	126.16
b) Females over 3 years	97.76	100.00	112.11	117.04
c) Young Stock	91.93	100.00	155.28	162.11
TOTAL I & II	97.49	100.00	111.45	112.73

TABEL 2. 25

## Percentage Distribution of Livestock Population in India By States, 1966

STATE	Cattle over 3 years		Buffaloes over 3 years		Total breeding cows [col. 3+5]	Total live stock.	Breeding cows per 100 of population [nos.]
	Total males	Breeding cows	Total males	Breeding cows	6	7	8
1	2	3	4	5	6	7	8
Andhra Pradesh	7.27	7.40	17.82	12.20	8.98	9.19	17
Assam	3.38	3.52	2.94	0.63	2.57	2.70	14
Bihar	9.32	7.37	8.94	6.17	6.97	8.33	10
Gujarat	4.17	3.40	0.43	7.06	4.61	4.17	15
Haryana	1.24	1.18	0.43	3.95	2.10	1.61	17
Jammu & Kashmir	0.75	1.25	0.52	0.95	1.15	1.19	23
Kerala	0.70	2.34	3.10	0.51	1.73	1.35	7
Madhya Pradesh	12.38	13.78	15.10	9.03	12.21	11.19	25
Maharashtra	8.95	8.66	4.15	6.71	8.01	7.40	13
Mysore	4.93	6.03	3.53	6.55	6.20	5.96	18
Nagaland	0.03	0.04	0.02	Neg	0.03	0.06	5
Orissa	5.92	6.10	7.30	1.32	4.52	4.78	17
Punjab	1.74	1.59	3.06	5.82	2.99	2.18	17
Rajasthan	5.51	9.23	1.88	8.37	8.95	10.90	29
Tamil Nadu	6.66	5.51	6.13	4.82	5.28	7.14	11
Uttar Pradesh	17.80	12.96	17.45	23.34	16.39	14.53	15
West Bengal	6.59	7.89	6.49	1.08	5.64	5.60	11
Union Territories	2.66	1.76	0.71	1.49	1.67	1.72	12
INDIA	100.00	100.00	100.00	100.00	100.00	100.00	15

Source: Nil, P77.

TABLE 2.26  
Per Capita Daily Availability of Milk Proteins in India  
by States, 1966.

States	Milk		Milk proteins	
	Gram	Index all India=100	Grams	Index all India=100
1	2	3	4	5
Andhra Pradesh	71	67.6	2.9	69.0
Bihar	84	80.0	3.2	76.2
Gujarat	184	175.2	7.3	173.8
Kerala	35	33.3	1.2	28.6
Madhya Pradesh	84	80.0	3.3	78.6
Maharashtra	57	54.3	2.2	52.4
Mysore	74	70.5	2.9	69.0
Orissa	40	38.1	1.4	33.3
Punjab	336	320.0	13.6	323.8
Rajasthan	265	252.4	9.9	235.7
Tamil Nadu	65	61.9	2.4	57.1
Uttar Pradesh	129	122.9	5.2	123.8
ALL INDIA +	105	100.0	4.2	100.0

+ Includes other states and Union Territories.

Series, P.77.

TABLE 2.27

## Average Yield of Milk Per Animal in Milk by States.

STATE	Cow		Buffaloes		Goat	
	Average annual % of animals in milk.	Average daily yeild of milk per animal in milk kg.	Average annual % of animals in milk.	Average daily yeild of milk Per animals in milk kg.	Average annual % of animals in milk.	Average daily yeild of milk per animal in milk kg.
1	2	3	4	5	6	7
Kerala	45	1.11	59	2.01	35	0.26
Andhrapradesh	33	0.79	52	1.40	...	...
Assam	45	0.45	50	1.36	37	0.11
Bihar	43	1.23	51	3.19	41	0.25
Gujarat	46	1.67	61	3.08	25	0.45
Haryana	56	2.35	62	4.35	25	0.50
Jammu & Kashmir	45	1.02	50	2.50	25	0.25
Madhyapradesh	35	0.51	40	1.77	25	0.20
Tamil Nadu	42	1.22	52	1.96	....	...
Maharashtra	32	0.61	53	2.26	25	0.40
Mysore	46	0.72	51	1.32	...	...
Orissa	42	0.50	50	1.65	25	0.20
Punjab	54	2.24	66	3.98	25	0.50
Rajasthan	34	2.12	54	3.02	25	0.45
Uttarpradesh	38	1.16	52	2.88	25	0.25
West Bengal	45	0.65	65	2.40	...	...
Delhi	68	3.95	78	6.71	25	0.50
Manipur	40	0.45	50	1.36	25	0.25
Himachal pradesh	45	1.02	55	2.35	25	0.25
Tripura	40	0.50	50	1.50	25	0.25
Andaman & Nicobar Islands	40	0.82	50	0.91	...	...
L.M.A. Islands	40	0.84	...	...	25	0.25
Goa, Daman & Diu	50	1.50	50	2.50	25	0.40
Pondicherry	41	1.36	51	1.82	...	...
Dadrandr Nagar Haveli	46	1.67	61	3.08	25	0.45
Nagaland	45	0.45	50	1.36	37	0.11
Ghandigar	54	2.24	66	3.98	25	0.50

Source: C.S.O.

TABLE 2. 28

Average Annual Yield of Eggs Per Hen/Duck  
By States

State	Eggs per bird per year	
	Hen	Duck
1	2	3
Kerala	97	130
Andhra Pradesh	88	120
Assam	80	98
Bihar	107	130
Gujarat	86	90
Haryana	111	58
Jammu & Kashmir	80	55
Madhya Pradesh	80	82
Tamil Nadu	88	120
Maharashtra	112	90
Mysore	117	80
Nagaland	80	98
Orissa	107	90
Punjab	111	58
Rajasthan	80	55
Uttar Pradesh	80	101
West Bengal	99	97
Delhi	112	90
Goa, Daman & Diu	112	—
Himachal Pradesh	80	80
Manipur	80	60
Pondicherry	80	120
Tripura	80	45
A. N. Islands	80	—
L. M. & A. Islands	80	—
Dadra Nagar Haveli	86	—
Chandigarh	111	—

Source: C. S. O.

TABLE 2.29

Estimated Marine Fishery Resources of India by States  
(Area available for Exploitation upto 40 Fathom Line)  
(Area in thousand sq. miles)

Sl. No.	State	Inshore		Offshore		Midwater		Total	
		Area	% distribution	Area	% distribution	Area	% distribution	Area	% distribution
1	2	3	4	5	6	7	8	9	10
1	West Bengal	0.3	2.46	0.7	2.24	5.6	3.11	6.6	2.95
2	Orissa	0.8	6.56	1.9	6.09	14.1	7.82	16.8	7.51
3	Andhra	1.6	13.11	3.8	12.18	9.7	5.38	15.1	6.75
4	Tamil Nadu	1.7	13.93	4.0	12.82	14.3	7.94	20.00	8.95
5	Kerala	1.0	8.20	2.5	8.01	11.2	6.22	14.7	6.57
6	Mysore	0.5	4.10	1.0	3.21	8.3	4.61	9.8	4.38
7	Goa	0.2	1.64	0.4	1.28	3.4	1.89	4.0	1.79
7	Maharashtra	0.9	7.38	2.1	6.73	37.0	20.53	40.0	17.89
9	Gujarat	2.4	19.67	8.1	25.96	68.9	38.24	79.4	35.51
10	Andamans	1.9	15.57	4.5	14.42	7.1	3.94	13.5	6.04
11	Laccadives	0.9	7.38	2.1	6.73	—	—	3.0	1.34
12	Pondicherry	*	*	0.1	0.32	0.6	0.33	0.7	0.32
Total		12.2	100.00	31.2	100.00	180.3	100.00	223.6	100.00

\* Less than 100 Sq. miles.

Source: IV Plan working group papers. Ministry of Food and Agriculture, G.D. & Co-operation New Delhi.

TABLE 2.30

Disposal of Fish Catch in India, 1956 to 1969.

	1956		1961		1966		1969	
	000. MT	%	000. MT	%	000. MT	%	000. MT	%
	2	3	4	5	6	7	8	9
Total fish catch *	1012	100.00	961	100.00	1367	100.00	1605	100.00
Marketing fresh	432	42.69	460	47.87	963	70.45	1090	67.91
Cured	...	...	...	...	...	...	...	...
Sundried	262	25.89	223	23.20	158	11.56	229	14.27
Salted	251	24.80	197	20.50	142	10.39	116	7.23
Reduction	67	6.62	81	8.43	53	3.88	71	4.42
Others	...	...	...	...	51	3.72	99	6.17

\* includes fresh water and marine fish

Source:- Ministry of Food, Agriculture, Community Development and Co-operation.

TABLE 2 31

Per capita Annual Consumption of Fishery Commodities  
in India, 1962, 1965 & 1968.

	1962	1965	1968
1 Total Production (000 tonnes)	974	1331	1526
1 Per capita production (kg)	2.244	2.750	2.952
3 Net consumption (000 tonnes)	994	1322	1502
4 Per capita consumption (kg)	2.290	2.731	2.905

Source: Items 1 & 3 F.A.O Year book on Fishery Statistics, 1968  
" 2 & 4 worked out by using the mid year population of 434 million for 1962, 484 million for 1965 & 517 million for 1968.

Net consumption means total production plus imports minus exports.

TABLE 2.32

Percentage Distribution of Marine Fish Landings in India  
by States, 1951 to 1968.

STATE	1951	1956	1961	1966	1969
(1)	(2)	(3)	(4)	(5)	(6)
1 Kerala	35.77	21.18	39.13	38.94	32.27
2 Mysore	12.10	2.82	2.52	7.37	8.29
3 Maharashtra	16.58	34.02	16.35	15.09	18.46
4 Gujarat	8.19	15.99	13.38	9.02	9.00
5 Madras	14.55	16.02	18.06	15.14	16.63
6 Andhrapradesh	11.09	7.30	7.97	9.00	8.48
7 West Bengal & Orissa	0.95	2.22	1.31	1.12	2.51
1 Others	0.77	0.45	1.28	4.32	4.36
INDIA	100.00	100.00	100.00	100.00	100.00

TABLE 2.33

Trends in Marine Fish Landings in India by States,  
1951 to 1969.

(Index Base: 1951=100)

State	1951	1956	1961	1966	1969
1	2	3	4	5	6
1 Kerala	100.0	79.7	140.1	181.5	154.3
2 Mysore	100.0	31.4	26.6	101.5	117.3
3 Maharashtra	100.0	276.3	126.3	151.7	190.6
4 Gujarat	100.0	263.1	209.1	183.7	188.1
5 Madras	100.0	148.1	158.9	173.5	195.5
6 Andhra Pradesh	100.0	88.7	92.1	135.3	130.9
7 West Bengal & Orissa	100.0	311.8	174.5	196.1	449.0
8 Others	100.0	80.5	214.6	939.0	970.7
INDIA	1000,	134.6	128.0	166.8	171.1

TABLE 2.34

Percentage Distribution of Motorised Fishing Vessels  
in Maritime States in India.

Sl. No.	States	As on date	Number	Percentage distribut on
1	2	3	4	5
1	West Bengal	31-12-1968	15	0.22
2	Orissa	31-12-1968	50	0.74
3	Andhra	31- 8-1968	350	5.20
4	Tamil Nadu	31- 3-1969	813	12.07
5	Kerala	30- 6-1969	1207	17.92
6	Mysore	30- 8-1969	605	8.98
7	Maharashtra	30- 6-1968	2197	32.61
8	Gujarat	31-12-1968	1292	19.18
9	Pondicherry	30- 6-1969	24	0.36
10	Goa	31-12-1968	31	0.46
11	Daman & Diu	31-12-1967	68	1.01
12	Andamans	30- 6-1968	5	0.07
13	Laccadives	30- 6-1969	51	0.76
14	Government of India Deep Se. Fishing Station	31- 5-1969	17	0.25
15	Indo-Norwegian Project	19- 9-1968	12	0.18
	<b>Total</b>		6737	100.00

Source: Marine Fisheries Research Institute, Bulletin No. 13, July, 1969  
Marine Fish Production in India, 1950-68.

TABLE 2.35

Area Under Forests as Percentage to Total Reporting  
Area in India, 1950-51 to 1966-67

Year	Forest area ('000) Hectares	Percentage to total reporting area
1	2	3
1950-51	40482	14.2
1955-56	51343	17.6
1960-61	54032	18.1
1964-65	60351	19.8
1966-67	62335	20.4

NOTE: Area under forest given in this table differs from that in table 'Area under forest and the out-turn of major forest products in India 1951-52 to 1961-62

Source: Directorate of Economics and Statistics, Government of India, Ministry of Food, Agriculture, Community Development Co-operation. Indian Agriculture in brief, Tenth Edition, January 1970 Page 24.



TABLE 2.36

Out-turn and Percentage Share of Major Forest Products in India,  
1955-56, 1960-61 and 1964-65

ITEM	1955-56		1960-61 <sup>P</sup>		1964-65 <sup>P</sup>	
	'000 Cubic metres	Percentage	'000 Cubic metres	Percentage	'000 Cubic metres	Percentage
1	2	3	4	5	6	7
1 Timber	3395	22.68	4593	26.87	5926	30.85
2 Round wood	721	4.82	753	4.41	513	2.67
3 Pulp and matchwood	42	0.28	80	0.47	12	0.06
4 Fire wood	9234	61.69	11349	61.39	12574	65.45
5 Charcoal wood	1576	10.53	293	1.71	186	0.97
6 Others*	...	...	25	0.15	...	...
Total Major Products	14967	100.00	17094	100.00	19211	100.00

\* Wood for which details are not available.

P. Provisional

TABLE 2.37

VALUE AND PERCENTAGE SHARE OF MAJOR FOREST PRODUCTS IN INDIA,  
1955-56, 1960-61 AND 1964-65.

ITEM	1955-56		1960-61 <sup>P</sup>		1964-65 <sup>P</sup>	
	Rs. (Lakhs)	Percentage	Rs. (Lakhs)	Percentage	Rs. (Lakhs)	Percentage
1	2	3	4	5	6	7
1 Timber	1854	66.96	3447	69.30	4452	76.00
2 Roundwood	206	7.44	443	8.90	330	5.63
3 Pulp and matchwood	33	1.19	21	0.42	22	0.38
4 Firewood	656	23.69	877	17.63	1013	17.29
5 Charcoal wood	20	0.72	62	1.25	41	0.70
6 Others*	...	...	125	2.50	...	...
Total major products	2769	100.00	4974	100.00	5856	100.00

\* Wood for which details are not available.

P. Provisional.

TABLE 2.38

Per Capita Value of Forest Produce in India, By States 1964-65

State	Per capita value Rs.	Index (all-India=100)
1	2	3
Andhra Pradesh	1.14	74.51
Assam	0.45	29.41
Bihar	0.54	35.29
Gujarat	0.94	61.44
Jammu & Kashmir	25.31	1654.25
Kerala	2.48	162.09
Madhyapradesh	3.72	243.14
Maharashtra	1.69	110.46
Mysore	0.51	33.33
Nagaland	...	...
Orissa	1.46	95.42
Punjab+	1.93	86.93
Rajasthan	1.48	96.73
Tamil Nadu	0.34	22.22
Uttar Pradesh	1.17	76.47
West Bengal	0.58	37.91
Union Territories	5.75	375.82
INDIA	1.53	100.00

+ Includes Haryana

Source: Directorate of Economics and Statistics, Government of India  
Ministry of Food, Agriculture, Community Development and Co-  
operation, Indian Agriculture in brief, 10th Edition, 1970.

TABLE 239

## Forest Revenue Per Hectare in India by States, 1969-70

STATE	Total forest area		Forest Revenue		Forest revenue per hectare	
	(1966-67)		(1969-70)		69-70	
	Sq.	% distri- bution	Rs. laksh	% distri- bution	Rs.	Index (all india=100)
1	2	3	4	5	6	7
1. Andhra Pradesh	66510	8.8	601.15	4.8	9.04	54.7
2. Assam	45650	6.1	365.17	2.9	8.00	48.4
3. Bihar	30850	4.1	424.00	3.4	13.74	83.1
4. Gujarat	19400	2.6	415.88	3.3	21.44	129.6
5. Haryana	1360	0.2	28.00	0.2	20.59	124.5
6. Himachal Pradesh	21650	2.9	652.33	5.2	30.13	182.2
7. Jammu & Kashmir	20810	2.7	520.00	4.2	24.99	151.1
8. Kerala	10410	1.4	882.80	7.1	84.80	512.7
9. Madhya Pradesh	172990	23.0	2600.10	20.9	15.03	90.9
10. Maharashtra	66860	8.9	625.34	7.4	28.80	174.1
11. Mysore	35200	4.7	1471.00	11.8	41.78	252.6
12. Nagaland	3100	0.4	13.00	0.1	4.19	25.3
13. Orissa	68160	9.1	640.00	5.1	9.38	56.7
14. Punjab	1880	0.2	61.00	0.5	32.44	196.1
15. Rajasthan	37640	5.0	71.72	0.6	1.91	11.5
16. Tamil Nadu	22180	2.9	336.00	2.7	15.15	91.6
17. Uttar Pradesh	45710	6.1	1931.53	15.5	42.26	255.5
18. West Bengal	11830	1.6	235.00	1.9	19.86	120.1
19. Union Territories	70240	9.3	297.49	2.4	4.23	25.6
India	752430	100.00	12444.51	100.00	16.54	100.0

Source:- Indian Forester, July 1971

TABLE 2.40

Percentage Distribution of Primary Agricultural Credit Societies in India  
by States 1965-66

(All India=100)

State	No. of societies	Member ship	Share capital	Reserves	Deposits	Loans issued during the year
1	2	3	4	5	6	7
Andhra Pradesh	8.01	6.83	4.51	7.05	3.80	5.39
Assam	2.13	1.25	0.48	0.30	0.62	0.12
Bihar	8.94	6.31	2.15	1.47	4.68	3.07
Gujarat	4.46	4.36	13.66	14.00	8.38	13.90
Jammu & Kashmir	0.50	1.03	0.38	0.33	0.12	0.18
Kerala	1.27	4.91	3.83	4.87	13.57	3.68
Madhyapradesh	9.03	6.38	6.65	10.23	6.40	8.41
Tamil Nadu	5.85	14.54	8.12	11.91	8.44	8.86
Maharashtra	10.44	10.50	25.19	18.04	6.98	22.43
Mysore	4.66	5.79	6.78	8.42	5.19	6.19
Orissa	1.94	3.11	1.85	1.58	1.43	2.27
Punjab	9.90	7.17	7.43	5.72	26.90	8.11
Rajasthan	6.62	3.89	2.96	0.88	2.36	2.28
Uttarpradesh	18.34	19.36	12.91	12.40	8.53	12.24
West Bengal	6.77	3.38	2.17	1.92	1.86	2.44
Union Territories	1.14	1.19	0.93	0.88	0.74	0.43
INDIA	100.00	100.00	100.00	100.00	100.00	100.00

Source:- Reserve Bank of India.

TABLE 2.41

## Growth of Primary Agricultural Credit Societies in India, 1950-51 to 1965-66

(Index Base: 1950-51 = 100)

Details of Societies	+1950-51	1955-56	1960-61	1961-62	1962-63	1963-64	1964-65	1965-66
1	2	3	4	5	6	7	8	9
1 Number of societies	100.00	138.52	183.72	186.28	182.86	181.55	174.12	166.21
2 Membership	100.00	151.16	330.64	379.74	421.69	460.38	493.03	507.08
3 Share capital	100.00	200.05	687.49	816.93	946.60	1098.66	1236.47	1372.92
4 Reserves	100.00	140.44	167.00	225.74	249.25	287.76	330.86	378.98
5 Deposits	100.00	157.20	325.24	393.56	453.42	581.24	726.73	769.41
6 Loans issued during the year	100.00	216.70	885.48	997.09	1124.04	1297.72	1380.04	1492.53

+ includes data for grain banks. Source: Reserve Bank of India.

TABLE 2.42

## Growth of Primary Fishery Co-operative Societies in India, 1965-68.

	Unit	1965+	1968+	% change over 1965
1	2	3	4	5
1 No. of societies	Nos.	3174	3730	+ 17.52
2 No. of members	" '000	315	383	+ 21.59
3 Working capital	Rs. lakhs	239	373	+ 56.07
4 Loans:	"			
i Outstanding	"	93	118	+ 26.89
ii Overdue	"	27	51	+ 88.89
iii Bad	"	1	10	+900.00
5 Fixed assets:				
i Machinery	"	20	107	+435.00
ii Others	"	31	54	+ 74.19
6 Catch	"	117	151	+ 29.06
7 Sales	"	249	500	+100.81
8 Of which fish products	...	78	330	+323.09
9 Profit:				
i No. of societies.	Nos.	1188	1163	- 2.10
ii Amount	Rs. lakhs	14	21	+ 50.00
10 Loss:				
i No. of societies	Nos.	1256	1551	+ 23.49
ii Amount	Rs. lakhs	13	26	+100.00
iii No. of societies without Profit/Doss.	Nos	686	990	+ 44.31

+ as on the end of June.

Source: Statistical statements relating to the Co-operative movement in India, 1965-66 &amp; 1967-68, Part II Non-credit

TABLE 3.1

## Index Numbers of Mineral Production in India, 1961 to 1969

(Base: 1960 = 100)

	Weights	1961	1965	1966	1967	1968	1969 P
1	2	3	4	5	6	7	8
Coal Mining (including lignite)	688.9	107	134	137	139	147	153
Crude Petroleum and Natural gas	17.6 <sup>a</sup>	113	617	939	1146	1193	1372
Metal Mining 1	212.9	101	114	123	118	127	126
Iron ore	84.2	113	143	161	156	167	174
Manganese ore	62.3	97	113	118	111	111	100
Non-metallic Mining 2	80.6	110	141	145	140	153	165
Limestone	40.7	114	154	153	151	163	173
Mica	15.6	97	82	78	62	62	60
All Minerals 3	1000.0	106	139	149	152	162	170

Source: Indian Bureau of Mines, Ministry of Petroleum and Chemicals and Mines and metals

1. Includes other metallic minerals

2. Includes other non-metallic minerals.

3. The series have been revised due to inclusion of petroleum and natural gas and mineral production from Goa. Common Salt has been excluded.

a. It's weight with base 1969 = 100 would work out to 180.

P. Provisional.

TABLE 3.2

Stokawa

## Index numbers of Industrial Production in India, 1961 to 1970.

(Base: 1960=100)

Items	Weights	1961	1965	1966	1967	1968	1969	1970†
1	2	3	4	5	6	7	8	9
I General Index	100.00	109.2	153.8	152.6	151.4	161.1	172.5	180.8
II Basic Industries**	25.11	112.7	164.3	172.9	176.5	194.6	212.0	221.7
Mining and quarrying	9.72	105.4	131.7	136.1	135.8	144.2	147.4	149.0
Heavy inorganic chemicals	0.69	121.4	213.8	227.8	243.2	270.2	308.0	337.4
Cement	1.17	105.1	134.8	141.0	143.9	152.3	173.7	177.9
Basic metals	7.38	118.7	180.1	189.6	181.8	193.7	209.7	205.5
Iron and steel basic industries	6.23	121.0	185.3	193.6	177.7	185.4	201.2	187.8
Aluminium manufacturing	0.57	110.6	225.9	273.2	339.2	400.5	424.0	508.7
Electricity	5.37	116.3	190.9	207.8	230.7	266.6	301.1	334.0
III Capital Goods Industries**	11.76	118.0	244.2	210.1	205.3	210.3	214.0	224.6
Prime movers, boilers & steam generating plants	0.59	130.3	438.6	364.6	377.7	494.5	496.9	486.4
Machinery components and accessories	0.93	111.0	153.6	135.8	125.6	149.6	130.6	120.6
Electrical cables and insulated wires	1.06	121.2	428.8	378.6	367.8	337.2	360.9	396.0
Railroad equipments††	0.68	104.2	198.3	195.9	206.7	191.5	201.9	220.1
Motor vehicles	3.50	126.2	259.2	181.9	142.8	130.7	116.8	93.6
IV Intermediate Goods Industries**	2.51	104.2	136.0	136.2	131.8	149.5	145.2	157.8
Industries**	25.88	105.8	140.1	136.7	139.7	148.2	154.4	158.8
Cotton spinning	11.79	108.4	120.9	117.3	116.7	124.1	127.8	127.0
Jute manufactures	3.97	89.1	120.3	100.4	104.1	96.4	77.8	85.1
Manufacture of wood and cork except manufacture of furniture	0.80	95.5	235.2	205.1	218.1	233.9	256.6	198.7
Tyres and tubes	1.48	114.2	173.5	174.1	185.4	227.6	255.0	258.3
Synthetic fibres	0.64	116.2	174.0	181.4	207.3	230.4	223.1	230.7
Dye-stuff and dyes	0.61	102.7	141.8	161.7	164.8	181.1	198.4	195.6
Petroleum refinery products	1.34	106.0	158.7	195.9	234.2	260.1	280.8	297.3
Structural clay products	0.77	118.5	124.1	169.0	214.0	232.9	280.9	302.3
Fittings, fixtures and fasteners	0.85	107.3	197.2	205.7	149.7	101.9	98.8	104.8

TABLE 3.2 Contd.

	1	2	3	4	5	6	7	8	9
V Consumer Goods industries**	37.25	106.6	127.5	131.3	125.7	131.9	145.3	154.7	
i Consumer non-durable goods industries**	31.57	105.8	120.5	122.6	114.9	117.4	128.3	137.6	
Floor milling and grinding	1.49	100.7	127.6	185.2	131.6	125.4	185.9	231.0	
Sugar factories and refineries (sugar refined)	3.58	110.0	124.7	129.8	84.0	84.5	149.1	165.3	
Hydrogenated oil (vanaspati)	1.09	100.4	127.1	106.2	116.4	140.4	142.7	154.4	
Tea	5.12	111.6	114.1	113.5	116.6	104.9	108.1	128.4	
Cigarettes	2.15	106.7	146.1	157.5	147.4	163.3	161.4	168.0	
Cotton Weaving	9.89	100.3	100.0	92.9	90.1	96.2	91.5	92.7	
Paper and paper products	1.61	105.8	147.2	160.0	167.1	185.0	201.4	216.2	
(a) Paper	1.36	154.1	143.5	159.7	167.3	186.8	200.2	217.4	
Drugs and pharmaceuticals	2.20	114.7	133.7	155.9	135.8	154.4	156.7	156.7	
Soaps and other washing and cleaning compounds	0.95	104.5	121.0	127.6	143.3	154.5	187.5	95.6	
Matches	0.50	97.1	110.9	94.8	89.4	97.9	96.2	88.0	
Glass and glass products	0.57	104.6	131.1	141.7	153.5	120.9	116.6	110.6	
ii Consumer durable goods industries**	5.68	110.8	166.5	179.4	185.6	212.4	239.7	249.5	
Commercial office and household machines	0.53	128.4	137.6	151.8	147.2	145.9	125.3	143.6	
Electrical appliances	0.56	108.2	152.5	145.8	154.5	170.5	183.4	190.9	
Communication equipment	0.61	121.6	217.4	265.4	318.3	510.1	646.8	661.1	
Bicycles and tricycles	0.51	99.9	146.6	155.4	162.3	182.7	188.9	194.9	

Note: Weights of individual industries may not add upto that of any of the groups as only selected industries are presented in the table.

@ Relates to production in private sector only upto 1964 and to both private and public sectors thereafter.

† Provisional

\*\* Derived series.

Source: Reserve Bank of India.







TABLE 3.4

Industrywise Employment-Capital Ratios + in India 1960-66  
(Productive Capital per Additional Person Employed)

Name of Industry	Productive capital per additional person employed Rs.
(1)	(2)
1 Manufacture of Dairy products	29946
2 Canning and preserving of fruits and Vegetables	12012
3 -do- of fish & other sea food	20625
4 Manufacture of grain mill products	—
5 Manufacture of bakery products	13859
6 Sugar factories and refineries	38104
7 Manufacture of cocoa, chocolate and sugar confectionaries	8160
8 Manufacture of misc. food preparation	25786
9 Distilling, rectifying and blending of spirit	60737
10 Wine Industries	6573
11 Breweries and manufacture of malt	77204
12 Soft drinks and a carbonated water	14481
13 Tobacco manufacture	—
14 Spinning & Weaving and finishing of textiles	69544
15 Knitting Mills	23033
16 Cordage rope and twine industries	37953
17 Manufacturing of foot wear	6037
18 Manufacturing of textiles (NES)	—
19 Repair of foot wear	—
20 Manufacturing of wearing apparel	5497
21 Saw mills	9865
22 Wooden and cane container	—
23 manufacturing of cork & wood products	12019
24 manufacturing of furniture and fixture	15056
25 manufacturing of pulp, paper and Paper Board	42335
26 Printing and publishing	11451
27 Tannery & leather finishing plants	—
28 manufacturing of leather products	3985
29 manufacturing of Rubber products	25055

TABLE 3.4 Contd.

(1)	(2)
30 Basic industrial chemicals incl. fertilizers	96544
31 Vegetable and animal oils	17715
32 manufacturing of paints, varnishes	21458
33 mfg. of misc. chemical products	64840
34 Petroleum refineries	376300
35 mfg. of misc. products & petroleum, coal	95731
36 mfg. of structural clay products	26632
37 mfg. of glass & glass ware	22025
38 mfg. of pottery, china ware	23705
39 mfg. of cement	73314
40 mfg. of non-metallic mineral products (NES)	17232
41 Iron & steel basic industries	73433
42 Non-ferrous basic metal industries	122511
43 mfg. of metal products (excl. machinery, transport equipment)	22427
44 mfg. of machinery (Excl. elec. machinery)	28203
45 mfg. Elec. machinery & apparatus	34721
46 Ship building and repair	—
47 mfg. of rail and rail road equipment	20784
48 mfg. of motor vehicles	33196
49 Repair of motor vehicles	4833
50 mfg. of motor cycles & bicycles	22875
51 mfg. of aircraft	—
52 mfg. of transport equipment	—
53 mfg. of professional and scientific equipment	19815
54 mfg. of photographic goods	97737
55 mfg. of watches & clocks	12129
56 mfg. of jewellery and related articles	11666
57 mfg. of musical instruments	95221
58 Elec. light and power	81095

Source: The Indian Institute of Public Opinion, monthly Commentary on Indian Economic conditions, Annual Number 1971, p.97.

+ Based on data on Annual survey of Industries.

TABLE 3. 5

Percentage Distribution Industry wise of Employment and output in the Organised Industrial Sector in India, 1966

	Value added by manufacture	Persons employed
Spinning, weaving and finishing of textiles . . .	21.45	28.62
Electricity, power and gas . .	8.46	7.30
Iron and steel . . .	8.43	7.45
Machinery except electrical	5.23	5.31
Electrical machinery, etc.	5.08	3.91
Miscellaneous chemicals . .	4.71	2.08
Miscellaneous food preparations	4.64	6.02
motor vehicles manufacture	4.01	2.39
Sugar and gur . . .	3.88	3.61
Railroad equipment . . .	3.69	5.24
Basic industrial chemicals	3.67	1.96
metal products, except machinery and transport equipment	2.36	2.14
Non-ferrous metals . . .	2.26	0.71
Tobacco manufactures . . .	2.08	2.26
Rubber products . . .	2.06	1.25
Cement (hydraulic) . . .	1.87	0.86
Paper and products . . .	1.63	1.63
Petroleum refineries . . .	1.54	0.20
Non-metallic mineral products	0.92	0.94
Total (including others) . .	100.00+	100.00*

\* represents 3.934 million persons employed in 11,933 reporting factories with productive capital of Rs 75,478 million with an ex-factory value of gross output of Rs 72,127 million.

+ represents Rs. 18,099 million.

Source: Central Statistical Organisation.

TABLE 3.6

Percentage Distribution of Employment and Output in the Organised Industrial Sector in India by States, 1966

States/Union Territories	Value added by manufacture	Persons employed
Maharashtra	25.38	18.96
West Bengal	19.27	21.94
Gujarat	8.54	8.76
Tamil Nadu	8.45	9.13
Bihar	6.95	5.36
Uttar Pradesh	6.31	7.14
Mysore	5.12	4.25
Andhra Pradesh	3.32	5.67
Madhya Pradesh	3.22	3.74
Kerala	2.36	3.81
Punjab	2.14	2.06
Orissa	1.84	1.75
Assam	1.83	1.93
Haryana	1.68	1.55
Delhi	1.52	1.70
Rajasthan	1.39	1.83
Pondicherry	0.12	0.25
Jammu & Kashmir	0.11	0.28
Himachal Pradesh	0.11	0.20
Chandigarh	0.10	0.08
Goa, Daman and Diu	0.02	0.03
Tripura	0.01	0.03
Total	100.00*	100.00+

+ represents 3,934 million persons employed in 11,933 reporting factories with a productive capital of Rs. 75,478 million and an ex-factory value of gross output of Rs. 72,127 million.

\* represents Rs. 18,099 million.

Source: Central Statistical Organisation, Govt. of India.

Pocket Book of Indian Statistics, 1972-73, Syndicate Bank P.112.

TABLE 3.7

## Profit Allocation Ratios (Group-wise) in the Company Sector in India, 1965-66 to 1968-69

Group	No. of companies	Tax provision as percentage of profit before tax				Dividends as percentage of profits before tax				Profits retained as percentage of profits before tax			
		1965-66	66-67	67-68	68-69	1965-66	66-67	67-68	68-69	1965-66	66-67	67-68	68-69
		1	2	3	4	5	6	7	8	9	10	11	12
I Agriculture and allied activities	24	40.3	37.5	35.6	38.1	62.3	42.9	42.2	56.6	-2.5	19.5	22.1	5.3
II Mining and quarrying	28	58.0	71.7	60.3	54.6	18.4	23.9	13.4	14.8	23.5	4.4	26.3	30.6
III Processing and manufacture-Food stuffs, textiles, tobacco, leather and product thereof	151	64.8	70.5	68.4	60.1	16.4	16.6	14.0	14.9	18.8	12.9	17.7	25.0
IV Processing and manufacture-Metals, Chemicals and products thereof	172	60.2	61.1	66.8	68.3	14.0	14.4	17.5	20.8	25.9	24.4	15.8	10.9
V Processing and manufacture-Not elsewhere classified	85	65.4	60.1	65.5	60.1	24.8	24.7	30.3	32.3	9.8	15.2	4.2	7.6
VI Other industries	241	70.2	71.0	69.3	74.6	21.6	21.8	23.6	27.4	8.2	7.2	7.1	-2.0
Total	701	64.2	65.8	67.1	65.7	18.1	18.4	20.0	22.2	17.7	15.8	12.9	12.2

## Profit Allocation Ratios (Group-wise) in the Company Sector-All India (Continued)

Group	No. of companies	Dividends as percentage of profits after tax				Profits retained as percentage of profits after tax			
		1965-66	66-67	67-78	68-69	1965-66	66-67	67-68	68-69
		14	15	16	17	18	19	20	21
I Agriculture and allied activities	24	104.3	68.8	65.6	91.5	-4.3	31.2	34.4	8.5
II Mining and quarrying	28	43.9	84.5	33.8	32.6	56.1	15.5	66.2	67.4
III Processing and manufacture - Food stuffs, textiles, tobacco, leather and products thereof	151	46.5	56.3	44.2	37.3	53.5	43.7	55.8	62.7
VI Processing and manufacture-Metals, Chemicals and products thereof	172	35.1	37.1	52.5	65.6	64.9	62.9	47.5	34.4
V Processing and manufacture - Not elsewhere classified	85	71.6	61.8	87.9	80.9	28.4	38.2	12.1	19.1
IV Other industries	241	72.5	75.3	76.8	107.9	27.5	24.7	23.2	-7.9
Total	701	50.6	53.9	60.7	64.5	49.4	46.1	39.3	35.5

TABLE 3.7 (Continued)  
Profits allocation ratios (Groups-wise) in the Company Sector in India.

Group	No. of companies	Gross profit as percentage of sales (net of rebates discount)				Gross profits as percentage of total capital employed				Profits after tax as percentage of net worth			
		1965-66	66-67	67-68	68-69	1965-66	66-67	67-68	68-69	1965-66	66-67	67-68	68-69
		22	22	24	25	26	27	28	29	30	31	32	33
I Agriculture and allied activities	24	9.9	11.9	11.0	9.3	5.9	7.4	7.7	5.6	4.2	6.2	6.8	3.8
II Mining and quarrying	28	9.3	8.0	7.9	6.5	10.3	8.9	10.0	9.3	9.0	5.1	8.2	8.0
III Processing and manufacture Food-stuffs, textiles, tobacco, leather and products thereof	151	7.4	6.6	5.9	6.1	13.3	12.1	11.4	12.2	10.4	7.8	7.3	9.9
IV Processing and manufacture Metals, chemicals and products thereof	172	11.4	11.1	8.9	8.2	15.1	14.2	11.7	10.6	13.6	11.9	7.6	6.3
V Processing and manufacture Not elsewhere classified	85	10.9	10.1	9.9	9.3	15.0	13.5	13.2	12.2	10.1	10.4	8.4	8.9
VI Other industries	241	4.8	4.9	4.4	4.1	9.6	9.3	8.9	8.0	6.7	6.6	6.4	4.5
Total	701	7.6	7.3	6.3	6.0	12.5	11.7	10.7	10.2	10.0	8.9	7.2	6.9



TABEL 3.7 (Contd.)

## Profit Allocation Ratios (Group-wise) in the Company Sector in India

Group	No. of companies	Dividends as percentage of net worth				Ordinary dividends as percentage of ordinary paid up capital				Total dividends as percentage of total paid up capital			
		1965-66	66-67	67-68	68-69	1965-66	66-67	67-68	68-69	1965-66	66-67	67-68	68-69
		1	34	35	36	37	38	39	40	41	42	43	44
I Agriculture and allied activities	24	4.4	4.3	4.4	3.5	8.2	7.8	8.5	8.9	8.2	7.8	8.4	8.4
II Mining and quarrying	28	3.9	4.3	2.8	2.6	5.9	6.5	4.3	4.4	5.9	6.4	4.3	4.4
III Processing and manufacture-Food-stuffs, textiles, tobacco, leather and product thereof	151	4.8	4.4	3.2	3.7	8.2	7.2	5.3	6.1	8.1	7.1	5.1	6.1
IV Processing and manufacture-metals, chemicals and product thereof.	172	4.8	4.4	4.0	4.1	9.8	8.7	7.7	8.2	9.6	8.5	7.6	8.0
V Processing and manufacture-Not elsewhere classified.	85	7.3	6.4	7.3	7.2	13.5	11.1	13.0	12.3	13.3	11.1	12.6	11.8
VI Other industries	241	4.9	5.0	4.9	4.8	7.5	6.9	7.0	6.9	7.5	6.9	7.0	6.9
Totals	701	5.1	4.8	4.4	4.5	8.8	7.9	7.3	7.6	8.8	7.8	7.2	7.5

Source: Reserve Bank of India Bulletin, November 1971 PP 1831 & 1832.

TABLE 3.8

Cost of Production of Steel in the Private Sector in India,  
(Unit wise), 1969-70

Production Unit	Aggregate cost (Rs. million)	Aggregate production (000 tonnes)	Cost of production per tonne (Rs.)
1	2	3	4
TISCO	1404.9	1002	1401
IISCO	829.8	465	1763
Total	2234.7	1467	1522

Source: H.S.L. Statistics for Iron & Steel Industry in India as quoted by Gangadhar Rakshi in Southern Economist, Vol. X Nos 18 & 19, P.40.

TABLE 3.9

Cost of Production of Steel in the Public Sector in India,  
(Unit wise), 1969-70

Production Unit	Aggregate cost (Rs. million)	Aggregate production (000 tonnes)	Cost of production per tonne (Rs.)
1	2	3	4
H. S. L.	4240.9	2323	1825
M. I. S. L.	218.7	88	2400
Total	4459.6	2411	1849

Source: H. S. L. Statistics for the Iron & Steel Industry in India, 1970, Ranchi as quoted by Gangadhar Rakshit in Southern Economist, Vol. X, No 18 & 19, p. 40.

TABLE 3.10  
PERCAPITA CONSUMPTION OF COAL AND ELECTRICITY  
IN INDIA, 1951 TO 1968.

Year	Coal 1 (kg.) <sup>a</sup>	Electricity 2 <sup>b</sup>
1	2	3
1951	81.7	17.8
1961	126 @	38.2
1966	140 @	60.9
1968	138.3	79.0

Note: <sup>a</sup> Relates to 1961-62, 1966-67 and 1967-68 respectively.

(b) Both public utilities and non-utilities.

Source: 1 Ministry of Petro-chemicals, Mines and Metals

2 Central Water and Power Commission, Ministry of Irrigation and Power.

p. 26 & 28 Statistical Pocket Book, India 1970.

TABLE 3.11  
Growth of National Income (Value Added) Originating in the Manufacturing Sector in India by States, + 1959-65.

Sl. No	States	1959		1965		% increase in 1965 over 1959
		(Rs. Crores)	Rank	(Rs. Crores)	Rank	
1	2	3	4	5	6	7
1	Maharashtra	202	1	417	1	106.4
2	West Bengal	176	2	365	2	107.4
3	Madras	49	5	150	3	206.1
4	Gujarat	74	3	142	4	91.9
5	Bihar	63	4	120	5	90.5
6	Uttar Pradesh	43	6	107	6	148.8
7	Mysore	25	8	75	7	200.0
8	Punjab	15	11	60	8	300.0
9	Andhra Pradesh	18	10	53	9	194.4
10	Madhya Pradesh	13	12	49	10	276.9
11	Orissa	8	14	39	11	387.5
12	Kerala	21	9	33	12	57.1
13	Delhi	13	13	28	13	115.4
14	Assam	31	7	22	14	(-)29.0
15	Rajasthan	6	15	21	15	250.0
	All India	759		1687		122.3

+ ASI Census Sector

TABLE 3.12

Indicators of Labour Productivity in India, 1950 to 1966  
(Based on all industries : CMI and A.S.I. data)

Year	Index of workers (Base:1950=100)	Index of gross output corrected for price changes (Base:1950=100)	Index of productive capital corrected for price changes (Base:1950=100)	Index of gross labour producti- vity per worker (Base:1950=100)
1	2	3	4	5
1950	100.0	100.0	100.0	100.0
1951	100.7	113.1	103.2	112.3
1952	101.5	108.8	112.3	109.2
1953	99.7	108.9	112.8	104.2
1954	104.5	119.5	122.3	114.4
1955	108.2	131.8	135.2	121.8
1956	114.3	143.4	149.3	125.3
1957	114.2	148.8	165.2	130.3
1958	109.0	147.5	175.1	135.1
1959	170.9	228.6	246.9	133.8
1960	175.8	243.1	258.0	138.3
1961	186.5	270.6	290.0	145.9
1962	196.7	303.9	418.3	154.5
1963	206.2	343.3	487.6	166.5
1964	221.6	388.5	609.2	175.3
1965	232.4	415.8	689.6	178.9
1966	229.4	420.4	735.9	183.3

Note:- Index of gross labour productivity per worker is the ratio of the index of gross output (ex factory) at constant 1950 prices to the index of workers.

Source:- Indian Institute of Public opinion, Monthly commentary on Indian Economic Conditions, Annual number 1971 P.72.

TABLE 3.13

Index of Gross Labour Productivity per Worker in selected Industries  
in India, 1951 to 1958 (Census of Manufacturing Industries) (Base: 1950=100)

Sl. No.	Industry	1951	1952	1953	1954	1955	1956	1957	1958
1.	Rice milling	93.1	110.0	124.9	152.2	174.9	157.3	158.4	136.2
2.	Sugar*		78.1	75.7	100.8	118.3	120.9	111.8	100.0
3.	Vegetable oils—edible hydrogenated oil (Base 1951=100)		100.9	102.3	105.5	128.6	137.8	154.9	156.6
4.	Paints and varnishes	90.3	86.6	92.6	114.7	107.9	114.5	124.7	135.6
5.	Soap	126.8	126.3	109.5	112.1	123.6	140.1	153.6	165.2
6.	Cement	99.4	145.5	156.6	170.4	158.1	128.0	120.3	124.6
7.	Plywood and teacheats	111.7	117.4	99.4	144.4	108.9	118.2	124.7	120.6
8.	Paper and paper board	134.1	151.1	139.7	168.0	166.1	168.8	164.9	180.0
9.	Cotton textiles	119.2	106.2	99.4	100.2	103.8	98.8	81.1	102.8
10.	Jute textiles	106.1	133.2	121.6	121.4	133.3	145.5	147.5	163.8
11.	Chemicals (including drugs and pharmaceuticals)	102.2	103.0	130.7	142.2	143.3	157.8	172.5	172.3
12.	Aluminium, copper and brass	95.1	101.6	111.8	132.3	144.3	155.8	171.8	163.6
13.	Iron and steel	101.2	106.6	99.6	106.3	104.7	115.9	107.2	110.5
14.	Bicycles	75.9	79.9	97.3	109.8	115.0	118.7	133.4	129.3
15.	Sewing machines	113.0	99.0	138.2	105.7	134.7	147.6	177.7	205.2
16.	Electric lamps	103.9	99.1	102.6	96.8	114.3	131.1	129.5	117.8
17.	Electric fans	113.3	105.5	114.2	106.7	125.4	104.4	133.5	152.1
18.	General engineering and electrical engineering	104.2	106.6	111.5	126.9	144.3	158.1	172.3	186.5
	All Industries	112.3	107.2	104.2	114.4	121.8	125.5	130.3	133.3

Note: Index of Gross Labour Productivity per Worker is the ratio of the index of ex-factory output at constant (1950 prices) to the index of workers

Source: The Indian Institute of Public Opinion, Monthly commentary on Indian Economic Conditions, Annual Number 1971, P. 72.

TABLE 3.14

Index of Gross Labour Productivity per Worker in selected Industries  
in India, 1960 to 1964 (Annual Survey of Industries: Census Sector) Base: 1959=100

Sl. No.	Industry	1960	1961	1962	1963	1964
1.	Rice mills	117.3	138.5	129.3	132.5	129.6
2.	Sugar	150.9	174.8	164.2	148.5	171.4
3.	Hydrogenated oil (Vanarpati)	81.4	84.3	90.8	88.2	92.2
4.	Cotton Textiles	104.8	112.4	119.9	124.4	134.0
5.	Jute Textiles	103.2	99.9	115.8	132.3	128.7
6.	Plywood	109.8	102.2	121.1	137.8	119.1
7.	Paper and paper products	100.4	110.2	114.3	124.1	126.0
8.	Inorganic Fertilisers	121.0	126.1	169.5	200.6	204.7
9.	Heavy Chemicals inorganic	144.7	149.5	166.6	178.7	186.9
10.	Dyestuffs	96.5	94.4	85.9	81.4	119.9
11.	Manufacture of Paints, varnishes & lacquers	115.4	110.0	120.8	119.7	118.0
12.	Soaps and Glycerine	92.4	107.9	108.8	121.4	127.1
13.	Manufacture of Cement (Hydraulic)	107.3	115.1	121.6	122.1	123.9
14.	Iron and Steel (Metal)	107.5	109.5	98.8	121.2	119.8
15.	Non-ferrous basic metal industries	115.5	112.0	120.5	133.7	130.8
16.	Hand tools and machine tools	97.0	123.4	149.1	148.7	161.5
17.	Internal combustion engines	102.9	98.9	98.3	99.4	122.7
18.	Textile machinery	95.1	109.0	122.9	137.6	165.4
19.	Sugar machinery	103.0	126.9	158.7	115.0	160.8
20.	Power driven pumps	109.7	124.7	128.9	137.4	137.9
21.	Machine tools	87.8	122.6	125.0	117.5	136.5
22.	Air conditioners and refrigerators	143.1	120.1	102.0	89.6	107.1
23.	Sewing and Knitting machines	133.4	120.4	133.6	123.5	91.2
24.	Electric fans	102.8	114.4	118.9	113.3	133.6
25.	Electrical lamps	107.9	106.7	121.7	113.5	101.3
26.	Electrical cables & Wires	93.6	97.5	99.8	101.6	116.2
27.	Storage batteries	99.8	103.1	125.7	112.5	120.0
28.	Dry cells	111.0	125.6	110.2	104.9	121.0
29.	Wireless communication apparatus and radio receivers	96.3	97.7	86.7	85.6	91.6
30.	Manufacture of motor vehicles	105.7	110.4	105.7	102.4	117.9
31.	Manufacture of motor cycles and bicycles	114.0	102.7	107.4	120.5	144.3
	All Industries	103.4	108.3	115.5	124.4	131.0

Note: Gross Labour Productivity per worker is the ratio of index of ex-factory value of output (at constant prices) to the index of workers employed.

Source: The Indian Institute of Public Opinion, Monthly Commentary on Indian Economic conditions, Annual Number 1971, P.74.

TABLE 3.15

Index of Gross Labour Productivity per Person Employed in Selected Industry Groups in India, 1960 to 1966 (Annual Survey of Industry: Census Sector)  
(Base : 1959=100)

Sl. No.	Industry	1960	1961	1962	1963	1964	1965	1966
1.	Grain mills	113.6	132.5	133.0	139.1	119.7	101.1	87.9
2.	Sugar & Gur	162.4	219.8	181.6	128.7	151.8	198.8	211.4
3.	Misc. food (incl. vanaspati, tea, coffee)	96.9	98.3	105.6	109.1	104.5	105.7	104.6
4.	Textiles	103.7	109.0	118.9	127.2	132.8	134.0	136.9
5.	Saw mills, plywood etc.	109.1	120.2	135.3	160.4	152.1	142.1	148.2
6.	Paper & paper products	101.1	112.8	115.5	123.1	129.0	144.5	137.5
7.	Basic chemicals	131.4	141.8	144.0	171.9	183.7	196.1	190.7
8.	Paints	115.3	108.9	122.4	120.2	101.7	98.5	94.4
9.	Misc chemicals	110.2	121.8	126.3	137.8	147.1	142.6	139.5
10.	Cement	110.3	121.5	127.3	129.3	129.0	142.2	140.6
11.	Iron & steel	105.9	108.6	104.6	121.1	122.8	118.3	119.0
12.	Non-ferrous base metals	114.3	111.9	120.6	134.2	125.9	95.1	98.5
13.	Metal products	108.9	118.7	118.8	126.9	131.3	143.8	146.9
14.	Machinery other than electric	109.7	127.5	138.6	144.0	158.5	158.7	159.8
15.	Electric machinery	99.4	108.3	101.2	107.9	113.9	123.3	128.9
16.	Motor vehicles	112.5	120.2	110.7	108.6	119.5	122.7	111.4
17.	Motor cycles & bicycles	119.0	113.7	117.7	131.6	147.0	161.5	170.4
	All Industries	105.0	111.3	116.8	125.0	128.3	131.0	134.1

Note: Gross Labour Productivity per person employed is the ratio of the index of ex-facto value of out put (at constant prices) to the index of persons employed.

Source: The Indian Institute of Public opinion. Monthly commentary on Indian Economic Conditions. Annual Number 1971-P. 76.

TABLE 3.16

**Index of Gross Labour Productivity per Man-hour worked in Selected  
industries in India 1951 to 1958 (Census of Manufacturing Industries)**

(Base 1950=100)

Sl. No.	Industry	1951	1952	1953	1954	1955	1956	1957	1958
1	2	3	4	5	6	7	8	9	10
1.	Rice milling	102.0	120.7	134.1	141.8	158.4	145.7	150.1	144.4
2.	Sugar*		84.7	93.5	95.7	105.9	115.6	110.0	98.5
3.	Vegetable oils-edible hydro- genated oil *Base 1951=100		98.8	120.8	105.6	130.4	138.0	150.7	152.3
4.	Paints and Varnishes	94.4	88.0	94.4	118.8	110.0	117.5	132.0	135.5
5.	Soap	126.6	133.0	106.7	108.0	120.0	136.5	147.1	157.5
6.	Cement	111.7	149.0	154.8	170.4	173.7	150.6	135.4	136.1
7.	Plywood and teacheasts	112.0	116.1	95.3	101.5	104.9	112.7	118.3	113.1
8.	Paper and paper board	129.0	135.8	144.8	180.8	165.2	167.6	168.5	183.5
9.	Cotton textiles	112.2	100.3	90.5	93.1	97.0	93.9	75.8	95.8
10.	Jute Textiles	101.4	120.0	110.2	107.5	113.9	123.8	129.4	143.2
11.	Chemicals (including drugs and Pharmaceuticals)	89.7	98.8	124.8	137.0	135.3	155.3	170.6	171.7
12.	Aluminium, copper and brass	97.9	101.8	102.9	129.3	141.2	159.2	166.5	159.2
13.	Iron and steel	100.0	107.7	101.8	107.6	110.3	117.2	111.4	120.1
14.	Bicycles	76.1	82.3	99.5	110.6	119.3	122.7	135.6	131.2
15.	Sewing machines	112.0	97.9	136.4	105.6	135.1	147.8	173.3	205.9
16.	Electric lamps	104.3	97.1	102.8	93.3	111.1	123.3	123.6	112.7
17.	Electric fans	103.2	100.1	108.0	102.3	113.5	96.7	120.9	137.5
18.	General engineering and Electrical engineering	102.5	104.2	111.1	121.2	141.9	155.3	170.6	186.7

Note: Index of Gross Labour Productivity per Man-hour is the ratio of the index of ex-factory output at constant 1950 prices to the index of man-hours worked.

Source: The Indian Institute of Public opinion, monthly commentary on Indian Economic Conditions, Annual Number 1971, P. 74.



TABLE 3. 17

Index of Gross Labour Productivity per Man-hour Worked in Selected Industries  
in India, 1960 to 1964

(Annual Survey of Industries : Census Sector)

Base 1959=100)

Sl. No.	Industry	1960	1961	1962	1963	1964
1	Rice mills	103.9	116.1	109.7	118.1	114.5
2	Sugar	105.4	114.2	109.7	99.2	114.1
3	Hydrogenated oil (vanaspati)	85.4	87.1	88.4	87.2	89.1
4	Cotton Textiles	102.6	112.9	114.4	117.8	125.3
5	Jute Textiles	94.0	102.3	104.7	116.8	92.4
6	Plywood	99.5	103.4	119.1	130.3	113.5
7	Paper and paper products	99.1	117.2	118.8	120.5	124.7
8	Inorganic fertilisers	104.1	144.8	168.5	192.0	193.4
9	Heavy chemicals-inorganic	74.4	135.0	142.7	155.6	168.9
10	Dyestuffs	94.1	90.5	83.2	78.2	119.9
11	Manufacture of paints, varnishes and lacquers	102.9	100.9	110.1	109.2	104.8
12	Soaps and glycerine	96.0	108.3	99.6	113.8	116.5
13	Manufacture of cement (hydraulic)	107.9	115.5	121.6	123.6	124.5
14	Iron and steel (Metal)	97.3	100.0	85.2	110.5	107.8
15	Non-ferrous basic metal industries	113.4	104.0	116.4	126.7	126.4
16	Hand tools and machine tools	96.0	123.4	145.6	143.0	162.4
17	Internal combustion engines	104.6	100.1	101.9	102.3	128.1
18	Textile machinery	91.6	105.2	113.9	129.8	156.7
19	Sugar machinery	106.4	132.0	166.0	122.6	163.9
20	Power driven pumps	102.5	103.2	126.6	126.7	132.6
21	Machine tools	92.3	206.7	127.0	121.6	137.0
22	Air conditioners and refrigerators	146.2	129.1	104.6	90.1	107.8
23	Sewing & knitting machines	116.9	108.4	118.2	114.6	107.7
24	Electric fans	115.1	124.1	125.5	127.4	119.9
25	Electric lamps	107.8	107.5	128.2	112.1	108.9
26	Electrical cables and wires	90.0	95.0	94.2	94.0	110.3
27	Storage batteries	110.0	120.6	125.6	112.4	124.2
28	Dry cells	109.9	118.9	102.4	94.9	116.1
29	Wireless communication apparatus and radio receivers	92.2	95.4	84.0	82.1	86.3
30	Manufacture of motor vehicles	107.9	114.0	106.5	102.1	117.2
31	Manufacture of motor cycles and bicycles	102.5	97.8	107.0	118.5	141.3
	All Industries	98.2	105.2	106.7	114.8	117.3

Note: Index of Gross Labour Productivity per Man-hour is the ratio of index of ex-factory value of output (at consent prices) to the index of man-hours worked.

Source: The Indian Institute of Public Opinion, Monthly Commentary on Indian Economic conditions Annual Number 1971, P 76.

TABLE 3-18  
Percentage Distribution of Employment, Net Out-put and  
Contribution to State Income of Manufacturing  
Industry for Different States, 1960-61

States	Employment	Net out-put	Contribution of State Income
1	2	3	4
Andhra Pradesh	10.8	3.8	3.8
Assam	2.2	2.4	2.4
Bihar	7.5	6.3	6.3
Gujarat	4.8	8.2	8.2
Jammu & Kashmir	0.5	0.3	0.3
Kerala	5.1	3.9	3.9
Madhy Pradesh	6.4	3.9	3.9
Madras	11.3	9.0	9.1
Maharashtra	11.6	20.3	20.3
Mysore	5.4	4.5	4.5
Orissa	3.1	1.3	1.3
Punjab	4.3	6.1	6.1
Rajasthan	2.9	1.4	1.4
Uttar Pradesh	12.7	8.7	8.7
West Bengal	9.9	17.2	17.2
Delhi	1.1	2.3	2.2
Himachal Pradesh	0.2	0.3	0.3
Tripura	0.2	0.1	0.1
All States	100.0	100.0	100.0

Note:- NCAER, Occasional paper No. 8 Income and Structure of Manufacturing Industry 1960-61, p.40.

TABLE 3.19  
 Ranking of States According to Out-put Employment  
 Co Efficient in Respect of all Manufacturing  
 Industry, 1960-61

Ranks	States	Output Employment co-efficient (Rs)	(Index All States=100.0)
1	2	3	4
1	Delhi	2288	216.7
2	Maharashtra	1854	175.6
3	West Bengal	1824	172.7
4	Gujarat	1813	171.7
5	Himachal Pradesh	1524	144.3
6	Punjab	1505	142.5
7	Assam	1159	109.8
	ALL STATES	1056	100.0
8	Bihar	883	83.6
9	Mysore	874	82.8
10	Madras	843	79.8
11	Kerala	811	76.8
12	Uttar Pradesh	724	68.6
13	Madhya Pradesh	647	61.3
14	Jammu & Kashmir	562	53.2
15	Tripura	507	48.0
16	Rajasthan	495	46.9
17	Orissa	443	42.0
18	Andhra Pradesh	374	35.4

Source: NCAER Occasional Paper No. 8  
 Income & Structure of manufacturing Industry 1960-61  
 p. 51

TABLE 3.20

Distribution of Hydro-Power Potentials in India  
by States

Region	Million Kwat. 60 per cent load factor	Percent
1	2	3
<b>STATES</b>		
Assam	11.598	28.2
Madhya Pradesh	4.582	11.2
Uttar Pradesh	3.764	9.1
Jammu and Kashmir	3.591	8.7
Mysore	3.373	8.3
Andhra Pradesh	2.477	6.0
Orissa	2.062	5.0
Maharashtra	1.910	4.6
Kerala	1.540	3.7
Punjab	1.361	3.3
Tamil Nadu	0.707	1.7
Gujarat	0.677	1.6
Bihar	0.610	1.5
Rajasthan	0.149	0.4
West Bengal	00.22	0.1
<u>Union Territories</u>		
Himachal Pradesh	1.868	4.5
Manipur	0.865	2.0
<b>INDIA</b>	<b>41.156</b>	<b>100.0</b>

Source: Government of India. Report of the energy survey of India committee 1965.

TABLE 3.21

State-wise Distribution of Installed Power Capacity in India, 1950 to 1969.

STATE	as on 31-12-1950		as on 31-3-1961		as on 31-3-1966		as on 31-3-1969*		% change in 1969 over 1950
	'000 KW.	% distri- bution	'000 KW.	% distri- bution	'000 KW.	% distri- bution	'000 KW.	% distri- bution	
	1	2	3	4	5	6	7	8	9
1 Andhra Pradesh	59	3.22	270	5.80	353	3.92	625	4.82	959.32
2 Assam	3	0.16	19	0.42	160	1.77	160	1.23	5233.33
3 Bihar*	47	2.56	351	7.54	672	7.44	950	7.32	1921.28
4 Gujarat	142	7.74	333	7.16	651	7.22	662	5.10	366.20
5 Haryana	...	...	...	...	...	...	504	3.88	...
6 Jammu and Kashmir	6	0.32	13	0.28	31	0.34	40	0.31	566.67
7 Kerala	33	1.80	137	2.94	197	2.18	547	4.22	1557.58
8 Madhya Pradesh	40	2.18	268	5.76	357	3.95	710	5.47	1675.00
9 Maharashtra	338	18.42	760	16.33	1304	14.45	1629	12.63	384.91
10 Mysore	115	6.27	191	4.10	441	4.89	798	6.15	506.96
11 Orissa	5	0.27	136	2.92	281	3.11	502	3.87	9940.00
12 Punjab	71	3.87	351	7.54	828	9.17	682	5.26	860.56
13 Rajasthan	31	1.69	71	1.53	90	1.00	498	3.84	1506.45
14 Tamil Nadu	155	8.45	517	11.11	1314	14.56	1471	11.34	849.03
15 Uttar Pradesh	200	10.90	397	8.53	931	10.31	1350	10.40	575.00
16 West Bengal*	546	29.75	754	16.20	1292	14.31	1559	12.02	185.53
17 Union Territories	44	2.40	85	1.84	125	1.38	277	2.14	529.54
INDIA**	1835	100.00	4653	100.00	9027	100.00	12974	100.00	607.02

\* Provisional

TABLE 3.22

Operating Ratios of State Electricity Boards\*\*  
In India 1968-69 to 1971-72

Year	Ratio of working expenses to revenue receipts (percent)	Rate of return on capital invested (ratio of operating income to Block capital) (percent)
1	2	3
1968-69	54.15	4.51
1969-70	55.65	4.21
1970-71*	57.10	4.07
1971-72*	55.40	4.22

\* Estimates

\*\* ratios relate to data combined of all state Electricity Boards.

TABLE 3.23

Surplus/Deficit Position of Power Supply in 1973-74 in India by States  
As per the Sixth Annual Power Survey

(Figures in MW)

Region/State	Installed capacity	Firm capacity	As per sixth Annual power survey	
			Peak load	Surplus/deficit
1	2	3	4	5
<b>NORTHERN REGION</b>				
Punjab	970	739	1002	-263
Haryana	637	363	527	-164
Chandigarh	2	34	38	- 4
Rajasthan	992	656	536	+120
Himachal Pradesh	308	122	51	+ 71
Delhi	392	339	306	+ 33
Uttar Pradesh	2592	1824	2056	-232
Jammu and Kashmir	100	88	89	- 1
Sub-total	5993	4165	4605	-440
<b>WESTERN REGION</b>				
Gujarat	1554	1142	1234	- 92
Maharashtra	2779	1938	2554	-616
Madhyapradesh	793	613	805	-192
Goa, Daman and Diu	5	53	82	- 29
Sub-total	5131	3746	4675	-929
<b>SOUTHERN REGION</b>				
Andhra pradesh	883	584	1087	-503
Tamil Nadu	2705	1880	2030	-150
Kerala	882	650	433	+217
Mysore	1144	944	1114	-170

TABLE 3.23 Contd.

1	2	3	4	5
Pondicherry	—	25	24	+ 1
Sub total	5614	4083	4688	-605
EASTERN REGION				
Bihar	975	703	735	- 32
D V C	1301	851	660	+191
West Bengal	1391	886	1042	-156
Orissa	914	639	484	+155
Sub total	4581	3079	2921	+158
North-Eastern Region				
Asgam	239	161	111	+ 50
Manipur, Tripura, Nagaland and				
Arunachal pradesh	93	65	20	+ 45
Sub total	332	226	131	+ 95
Total Utilities	21651	15299	17020	-1721
Non-Utilities	1485	1077	1077	—
Total all India	23136	16376	18097	-1721

TABLE 3.24

## Progress of Rural Electrification in India by States, 1969+

Sl. No.	State	Districts		Town		Total inhabited Village		Villages electrified as on 30-9-69		Col. 9
		Nos	% distri- bution	Nos.	% distri- bution	Nos.	% distri- bution	Nos.	% distri- bution	
1	2	3	4	5	6	7	8	9	10	11
	All India	328	100.00	2689	100.00	567338*	100.00	73554	100.00	13.0
1	Andhra Pradesh	20	5.92	223	8.29	27084	4.77	5746	7.81	21.2
2	Assam	11	3.25	60	2.23	25702	4.53	406	0.55	1.6
3	Bihar	17	5.03	153	5.69	67665	11.93	6049	8.22	8.9
4	Gujarat	19	5.62	181	6.73	18584	3.28	3038	4.13	16.3
5	Jammu and Kashmir	9	2.66	43	1.60	6559	1.16	683**	0.93	10.4
6	Kerala	10	2.96	92	3.42	1573	0.28	1151	1.56	73.2
7	Madhya Pradesh	43	12.72	219	8.14	70414	12.41	2855	3.88	4.0
8	Maharashtra	26	7.69	265	9.86	35851	6.32	9629	13.09	26.9
9	Mysore	19	5.62	230	8.55	26387	4.65	6220	8.46	23.6
10	Nagaland	3	0.89	3	0.12	814	0.14	29	0.04	3.5
11	Orissa	13	3.85	62	2.31	46466	8.19	847	1.15	1.8
12	Punjab (includes Haryana)	18	5.33	187	6.95	21269	3.75	6338**	8.62	29.8
13	Rajasthan	26	7.69	145	5.39	32241	5.68	2103**	2.86	6.5
14	Tamil Nadu	14	4.14	338	12.57	14124	2.49	9075	12.34	64.3
15	Uttar Pradesh	54	15.98	275	10.23	112624	19.85	13121@	17.84	1.2
16	West Bengal	16	4.73	184	6.84	38485	6.78	2529	3.44	6.6
17	Union Territories	20	5.92	29	1.08	21537*	3.80	3732	5.08	17.3

Relate to old set up of States as they existed upto 31st October 1956. + as on 30th September 1969

\*Does not include data in respect of the area under illegal occupation of China & Pakistan

\*\* As on 31st March 1969

@ As on 30th June 1969

Source: Indian Agriculture in Brief, 10th edition.



TABLE 3.25

Index Number of Wholesale Prices of Building Materials  
in India, 1961, 1969 and 1970  
(Base: 1961-62=100)

Building Materials	Year 1961	Year 1969	Week ending 26th Sept. 1970
1	2	3	4
Logs and Timber	98.5	163.6	158.3*
Cement	97.1	144.5	150.1
Bricks and Tiles	100.4	119.8	132.5
Lime	96.3	96.5	104.9
Iron and steel manu- factures	99.7	142.3	165.1
Glass Manufactures	98.1	122.0	135.4*
Paints and Varnishes	99.0	182.7	195.6*

Source: Office of the Economic Advisor, Ministry of Industrial Development and Internal Trade \* Estimated.  
As quoted in the Journal of the National Building Organisation and U. N. Regional Housing Centre, E. C. A. F. E., Vol. XV No. 2, P. 43

TABLE 3.26

Index Number of Production of Building Materials in India, 1951 to 1970

Index Base 1956=100)

Items	Index Base 1956=100)								
	1951	1956	1960	1965	1966	1967	1968	1969	1970 1st Quarter
1	2	3	4	5	6	7	8	9	10
1 Cement	64.8	100.0	165.7	211.2	220.8	225.8	234.8	271.6	277.4
2 A. C. Products	68.8	100.0	172.5	344.1	240.1	203.9	204.9	241.1	297.0
3 Sheet glass	23.3	100.0	170.5	183.7	279.5	323.3	323.5	356.5	385.4
4 Sanitary wares	23.9	100.0	222.6	403.0	463.0	457.0	438.0	588.2	451.7
5 Refractories	74.7	100.0	170.6	213.0	223.8	231.5	209.3	194.7	194.0
6 Glazed tiles	68.7	100.0	182.1	221.5	366.9	559.8	659.9	875.0	911.6
7 Paints and varnishes	80.5	100.0	122.6	167.2	160.5	188.7	150.6	147.3	143.7
8 Commercial Plywood	39.5	100.0	251.0	520.0	518.0	592.0	627.7	677.5	610.0
9 Wood screws	10.6	100.0	132.8	151.8	157.4	161.2	119.9	148.2	134.1
10 Pig iron	93.3	100.0	212.9	354.5	359.2	350.2	360.9	...	...
11 Finished steel (a)	80.5	100.0	158.2	331.9	328.9	305.7	334.2	...	...

(a) Data for 1951 and 56 includes figures of rivets, bolts and nuts, spiker and steel castings.

Source: as in table on production



TABLE 4-2

## STATE-WISE DISTRIBUTION (Percentage) OF INDUSTRIAL DISPUTES IN INDIA, 1961, 1966 AND 1969

Sl. No.	State	1961			1966			1969 (P)		
		No. of disputes	Workers involved	Mandays lost	No. of disputes	Workers involved	Mandays lost	No. of disputes	Workers involved	Mandays lost
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	5.08	6.87	4.10	4.97	3.92	4.06	4.27	2.36	1.84
2	Assam	2.06	2.36	1.46	2.15	2.19	0.52	0.93	0.89	0.37
3	Bihar	5.53	5.04	3.23	3.52	2.26	1.86	6.83	3.02	3.46
4	Gujarat	2.21	1.54	1.06	3.13	1.19	1.00	2.73	1.09	0.78
5	Haryana	...	...	...	0.22	0.04	0.08	1.63	0.83	1.07
6	Jammu & Kashmir	0.07	0.01	Neg	0.20	0.25	NA	...	...	...
7	Kerala	10.76	6.94	8.04	12.01	8.43	16.58	8.59	9.87	8.75
8	Madhyapradesh	6.12	4.44	4.39	5.16	2.76	1.24	4.27	8.64	2.80
9	Maharashtra	20.56	17.32	11.79	31.69	38.35	26.67	28.50	13.08	7.63
10	Mysore	5.23	5.97	1.64	4.19	5.88	3.78	7.44	3.44	3.69
11	Orissa	0.52	3.08	4.81	0.51	1.08	0.13	...	...	...
12	Punjab	0.59	0.11	0.15	1.96**	1.63**	2.28**	1.01	0.34	0.62
13	Rajasthan	0.81	0.64	1.04	1.53	0.83	0.36	2.73	2.76	0.40
14	Tamil Nadu	9.14	6.38	3.57	7.08	6.82	4.90	6.52	3.45	3.62
15	Uttarpradesh	6.78	8.62	10.51	6.61	8.36	7.19	6.52	1.66	1.51
16	West Bengal	20.27	29.72	43.59	11.11	13.26	26.09	17.27	49.45	61.60
	India (Including union Territories)	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00	100.00

(P) Provisional \*\* Relate to composite Punjab upto 31st October 1966 and to the re-organised Punjab from 1st November 1966. It also includes those disputes which were continuing on 31st October 1966 although the establishments concerned came under Haryana on reorganisation

Source: (1) Indian Labour year Book 1967 (2) Indian Labour statistics, 1970

TABLE 4.3

Pattern of Structural Changes in Employment in the Organised Sector  
In India, 1961-1980

(By Major Group of Industries) (Percentages)

Industry Group	Actuals (March)				Estimates	
	1961	1966	1970	1971	1975	1980
1 Plantations & Forestry	7.0	7.1	6.3	6.2	5.6	4.8
2 Mining & Quarrying	5.6	4.3	3.6	3.4	2.8	2.3
3 Manufacturing	28.1	27.5	27.4	27.3	25.0	23.6
4 Construction	7.0	6.4	5.6	5.8	5.2	4.6
5 Electricity, Water and Gas	2.1	2.3	2.6	2.6	2.6	2.6
6 Trade and Commerce	2.2	2.5	3.4	3.6	4.5	5.7
7 Transport and Communi- cations	14.9	14.3	13.4	13.3	11.9	10.2
8 Services	33.1	35.6	37.7	37.8	42.4	46.2
Total	100	100	100	100	100	100

Source: Directorate General of Employment & Training, Ministry of Labour, Employment and Rehabilitation G.O.I.

The Indian Institute of Public Opinion Annual number 1971, monthly commentary P.92

TABLE 4.4

Percentage Increase in Average annual Earnings of Industrial Workers in India, 1961-69

Industry	1961 Rs.	1969 Rs.	% increase over 1961
1	2	3	4
1 Textiles	1550	2558	65.0
(a) Cotton mills	1722	2694	56.5
(b) Jute mills	1113	2251	10.23
(c) Silk mills	1313	2155	64.1
(d) Woollen mills	1428	2320	62.5
2 Foot wear, other wearing apparel etc.	1540	2276	47.8
3 Wood and Cork (Except furniture)	905	1465	61.9
4 Furniture and Fixtures	1185	2057	73.6
5 Paper and products	1328	2261	70.3
(a) Paper	1405	2538	80.6
6 Printing, publishing and allied industries	1454	2607	79.3
7 Leather and products	1216	2332	91.8
(a) Tanneries	967	1706	76.4
8 Rubber and Rubber Products	1888	2635	39.6
9 Chemicals and chemical products	1639	2614	59.5

TABLE 4.4 Contd.

(a) Fine and Pharmaceutical chemicals	1609	2648	64.6
(b) Matches	1400	2719	94.2
10 Products of petroleum and coal	2434	3551	45.9
11 Non-metallic mineral products	1067	1640	53.7
(a) Glass and products	1119	1660	48.4
(b) Pottery, china and earthen ware	1055	1571	48.9
(c) Cement	1770	3136	77.2
12 Basic metal industries	1879	2984	58.8
13 Metal products	1455	2589	74.5
14 Machinery	1484	2433	63.9
15 Electrical machinery, Apparatus, Appliances and Supplies	1670	2710	62.3
16 Transport equipment	1712	3030	77.0
(a) Ship Building	2037	3071	50.8
17 Miscellaneous industries	1462	2650	81.3
18 Electricity, Gas and Steam	1823	3029	66.2
19 Water and sanitary services	1385	2357	70.2
20 Recreation services	1553	1082	21.2
21 Personal services	1003	2088	108.2

Source: Economic Trends, Jan. 1, 1972 p. 78

TABLE 4.5

Index Number of Per capita Annual Money Earnings of  
Workers in Manufacturing Industries in India by States  
1961 1966 and 1968.

(Base 1961=100)

Sl.No.	State	1961	1966	1968(P)
1	2	3	4	5
1	Andhra Pradesh	100.00	126.98	139.33
2	Assam	100.00	133.21	131.08
3	Bihar	100.00	110.45	130.87
4	Gujarat	100.00	137.49	158.40
5	Haryana		100.00	131.66
6	Jammu & Kashmir	...	100.00	123.62
7	Kerala	100.00	149.65	173.35
8	Madhya Pradesh	100.00	116.63	194.88
9	Maharashtra	100.00	139.72	159.10
10	Mysore	100.00	133.82	128.00
11	Orissa	100.00	169.49	169.49
12	Punjab	100.00	139.35	148.38
13	Rajasthan	100.00	185.55	308.02
14	Tamil Nadu	100.00	138.70	152.97
15	Uttar Pradesh	100.00	144.46	171.36
16	West Bengal	100.00	143.55	171.21
	ALL INDIA	100.00	137.14	162.27



TABLE 4.6

Index Numbers of Per Capita Annual Money Earnings of  
Workers in Manufacturing Industries in India by States,  
1961, 1966 and 1968

(All India = 100)

Sl.No.	State	1961	1966	1968(P)
1	2	3	4	5
1	Andhrapradesh	74.61	69.08	64.07
2	Assam	103.83	100.85	83.87
3	Bihar	120.52	97.06	97.20
4	Gujarat	110.52	110.80	107.88
5	Haryana	...	81.06	90.20
6	Jammu and Kashmir	...	46.31	48.38
7	Kerala	74.81	81.63	79.91
8	Madhyapradesh	117.92	100.28	141.62
9	Maharashtra	115.26	117.42	113.01
10	Mysore	89.29	87.12	70.43
11	Orissa	76.62	94.70	80.03
12	Punjab	76.23	77.46	69.71
13	Rajasthan	49.42	66.86	93.80
14	Tamil Nadu	95.13	96.21	89.68
15	Uttarpradesh	82.08	86.46	86.67
16	West Bengal	91.56	95.83	96.60
	All India	100.00	100.00	100.00

(P) Provisional

TABLE 4.7  
 Per capita Daily Earnings of Factory Employees (Earning Less than Rs. 400  
 per month) in India by States, 1961 to 1968

(in Rs.)

States	1961	1962	1963	1964	1965	1966	1967	1968(R)
Andhrapradesh	4.18	3.38	3.77	3.23	3.75	4.22	4.65	5.58
Assam	3.41	3.34	3.68	3.62	4.80	5.61	5.89	6.13
Bihar	5.51	5.38	5.63	5.37	6.28	6.40	6.70	7.61
Gujarat	5.37	5.46	5.34	5.83	6.69	7.41	8.39	8.39
Kerala	2.89	2.90	3.08	3.15	3.54	4.83	5.18	5.29
Madhyapradesh	5.45	6.33	5.66	6.43	5.70	6.77	7.68	7.13
Maharashtra	5.41	6.04	6.12	6.52	7.29	8.17	8.87	9.08
Mysore	4.19	4.24	4.83	5.31	5.93	6.09	5.70	7.30
Orissa	3.57	3.86	3.81	5.20	5.24	5.81	7.01	6.54
Punjab	4.05	4.13	4.06	4.58	5.47	5.31	5.56	5.74
Rajasthan	3.49	4.31	4.09	4.41	4.92	4.14	5.86	5.56
Tamil Nadu	4.39	4.87	4.78	4.95	6.40	6.51	7.13	7.41
Uttar pradesh	4.26	4.56	4.63	4.99	5.55	5.86	6.59	6.96
West Bengal	4.69	4.79	5.05	5.45	5.99	6.61	7.21	7.69
All States (including Union Territories)	4.79	5.01	5.11	5.42	6.16	6.70	7.24	7.65

R. Revised

Source: Indian Labour Journal, September 1971.

TABLE 4.8

Sector-wise Growth of Employment in the organised Sector in India, 1961-1971

Sector	Compound rate of growth per annum 1961-71
1	2
A Public Sector	4.3
Primary	4.0
Secondary	5.8
Tertiary	3.9
B Private Sector	3.0
Primary	...
Secondary	2.3
Tertiary	10.4
C Public and Private Sector combined	3.8
Primary	0.8
Secondary	3.4
Tertiary	4.7

Source: G.O.I., Directorate General of Employment and Training, Ministry of Labour. Employment and Rehabilitation

TABLE 4.9

Industry-wise Employment Trends in the Organised Sector in India, 1961-71

Period/Sector	Plantation and Forestry	Mining and quarry ing	Manufa- cturing	Cons- truction	Electri- city water & gas.	Trade and com- merce	Trans- port & communi- cations	Services	Total
1	2	3	4	5	6	7	8	9	10
Percentage change of 66/61									
Public Sector	27.8	23.1	81.1	28.3	40.9	66.7	22.1	33.5	32.8
Private Sector	29.4	-9.1	18.9	-8.3	....	50.0	37.5	85.7	20.8
Total	29.4	-2.9	25.7	17.9	34.6	56.0	22.8	37.2	27.9
Percentage change of 71/61									
Public Sector	52.6	13.7	19.8	14.1	39.0	111.0	5.7	15.3	14.3
Private Sector	19.1	-19.2	10.2	-36.8	14.0	26.9	-13.0	85.1	10.7
Total	26.2	-11.2	11.7	2.8	36.3	59.3	4.8	17.0	12.9
Percentage change of 71/70									
Public Sector	4.1	2.7	2.6	10.3	7.3	9.7	1.5	2.3	3.2
Private Sector	-2.0	-5.8	1.4	8.5	3.6	4.2	-5.7	3.9	0.7
Total	-0.5	-3.3	1.6	7.3	6.9	6.9	1.2	2.6	2.2

Source: Government of India, Directorate General of Employment and Training, Ministry of Labour, Employment and Re-habilitation.

TABLE 4.10

## Distribution of Employees by Occupational Divisions in India, 1967

Occupational division	Larger establishment		Smaller establishment	
	No. of employees (in lakhs)	Percentage to total	No. of em- ployees (in lakhs)	percen- tage to total
1	2	3	4	5
Professional, technical and related workers (excluding primary and middle school teachers)	2.95	7.6	0.72	11.4
Primary and middle school teachers	0.48	1.2	0.68	10.8
Administrative executive and managerial workers	0.56	1.4	0.25	4.0
Clerical and related workers (excluding unskilled office workers)	3.11	8.0	0.58	9.2
Sales workers	0.35	0.9	0.22	3.5
Farmers, fishermen and related workers (excluding agricultural and plantation workers)	0.27	0.7	0.14	2.2
Miners, quarrymen and related workers	1.85	5.0	0.01	0.2
Workers in transport and communication occupations	0.55	1.4	0.10	1.6
Craftsmen and production process workers (excluding loaders, unloaders and labourers, not elsewhere classified)	13.40	34.7	1.45	23.1
Service, sports and recreation workers (excluding watchmen, cleaners, sweepers and watermen)	0.56	1.5	0.50	7.9
Unskilled office workers	1.09	2.9	0.25	4.0
Other unskilled workers	13.51	34.8	1.39	22.1
Total - All occupational Divisions	38.78	100.00	6.29	100.00

Source: Directorate general of Employment and Training, Ministry of Labour, Employment and Rehabilitation, Government of India.

TABLE 4.11  
Percentage Distribution of Engineers Employed in Public and Private Sectors  
in India Classified by Speciality, 1966/1967

Engineers by Speciality	Public Sector		Private Sector		Total	
	1966		1967		(2+4)	
	Nos.	%	Nos.	%	Nos.	%
1	2	3	4	5	6	7
Civil Engineers	67,818	60.03	4,151	15.30	71,969	51.4
Mechanical Engineers	19,532	17.29	15,299	56.40	34,831	24.9
Electrical Engineers	20,929	18.53	5,220	19.24	26,149	18.7
Chemical Engineers	3,960	3.51	1,555	5.73	5,505	3.9
Metallurgical Engineers	328	0.29	142	0.52	470	0.3
Mining Engineers	400	0.35	760	2.81	1,160	0.8
	112,967	100.00	27,127	100.00	140,094	100.00

Source: Directorate General of Employment and Training, Ministry of Labour, Employment and Rehabilitation, G.O.I.

TABLE 4.12  
Employment-Investment Ratios in India During the  
Five Year Plans.

Details	First plan	Second plan	Third plan
1	2	3	4
1 Additional employment likely to have been generated (in millions)	7.0	10.1	13.5
2 Total investment (Rs. crores)	3360	6750	11370
2 Index of Investment cost at 1960-61 prices	82	96	113
4 Investment at 1960-61 prices (Rs. crores)	4093	7031	10062
5 Employment investment ratio	1: 5854	1: 7031	1: 6939

Eastern Economic Annual Number 1971 P.1286

TABLE 4.13

## Trends in Registrations and Placements in Employment Exchanges in India, 1951 to 1970.

(Index Base: 1951 = 100)

Year	No. of Exchanges (at the end of the period)		No. of Registra- tions during the period (average) ( <sup>00</sup> )		No. of applicants placed in employ- ment during the period (average)		No. of applicants on the live regis- ter (at the end of period) ( <sup>000</sup> )		No. of employers using the exchan- ges during the period ( <sup>000</sup> )		No. of vacancies notified during the period (average) ( <sup>000</sup> )	
	No.	Index	No.	Index	No.	Index	No.	Index	No.	Indx	No.	Index
1	2	3	4	5	6	7	8	9	10	11	12	13
1951	126	100.00	115	100.00	35	100.00	329	100.00	6	100.00	41	100.00
1956	143	113.49	139	120.87	16	44.71	759	230.70	5	83.33	25	60.98
1961	325	257.94	269	233.91	34	97.14	1833	557.14	10	166.67	59	143.90
1962	342	271.43	320	278.26	38	108.57	2380	723.40	11	183.33	66	160.98
1963	353	280.16	346	300.87	45	128.57	2518	765.35	12	200.00	76	185.37
1964	365	289.68	319	277.39	45	128.57	3493	1061.70	14	233.33	76	192.68
1965	376	298.41	330	286.96	48	137.14	2585	785.71	14	233.33	79	185.37
1966	396	314.29	323	280.87	42	120.00	2622	296.96	13	216.67	71	173.17
1967	399	316.67	326	283.48	36	102.86	2740	832.83	11	183.33	58	141.46
1968	405	321.43	337	293.04	35	100.00	3012	915.50	12	200.00	59	143.90
1969	416	330.16	350	304.35	36	102.86	3424	1040.73	12	200.00	60	146.34
1970 (June)	426	338.10	457	397.39	39	111.43	3621	1100.61	15	250.00	71	173.17

Source: Labour Bureau Ministry of Labour, Employment and rehabilitation Indian Labour Journal Sept. 70  
Eastern Economist Dec. 25th 1970 (page 1285)

TABLE 4.14

Percentage Distribution of Registrations and Placements in Employment Exchanges in India  
by States, 1970. +

States	No. of exchanges at the end of June 1970		No. of registrations during June 1970		No. of applicants placed in Employment during the month.		No. of applicants on the live register at the end of the month		No. of employers using the exchanges during the month.		No. of vacancies notified during the month.	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
1	2	3	4	5	6	7	8	9	10	11	12	13
Andhrapradesh	24	5.63	21053	4.62	2119	5.42	239066	6.60	926	6.35	3284	4.62
Assam	25	5.85	8163	1.79	432	1.10	57480	1.59	216	1.48	963	1.36
Bihar	23	5.39	36683	8.06	1391	3.56	280060	7.73	272	1.86	2811	3.96
Gujarat	20	4.68	23099	5.07	1246	3.19	138866	3.83	690	4.73	3232	4.56
Hariyana	14	3.28	16490	3.62	2201	5.63	70975	1.96	690	4.73	4222	5.96
Jammu & Kashmir	8	1.87	1959	0.43	138	0.35	11862	0.33	61	0.42	249	0.35
Kerala	11	2.58	24674	5.42	1809	4.63	251335	6.94	528	3.62	1869	2.63
Madhyapradesh	49	11.48	24704	5.42	2604	6.66	212625	5.87	460	3.19	3759	5.30
Maharashtra	30	7.03	66123	14.50	7144	18.27	296065	8.18	3133	21.47	18069	25.49
Mysore	21	4.92	19774	4.34	876	2.24	224200	6.19	437	2.99	2443	3.45
Orissa	15	3.52	9688	2.13	813	2.08	128290	3.54	266	1.82	1117	1.58
Punjab	20	4.68	21239	4.66	2745	6.97	90608	2.50	714	4.89	3011	4.26

Contd.



TABLE 4.14 Contd.

1	2	3	4	5	6	7	8	9	10	11	12	13
Rajasthan	23	5.39	16686	3.66	660	1.66	98842	2.73	544	3.73	1798	2.54
Tamilnadu	18	4.22	51267	11.25	3589	9.18	391449	10.82	1544	10.58	5709	8.04
Uttarpradesh	67	15.69	62233	13.66	6010	15.37	335100	9.25	2204	15.10	9665	13.63
West Bengal	31	7.26	28548	6.27	1928	4.93	531925	14.69	519	3.56	2744	3.87
Chandigarh	1	0.23	2507	0.55	354	0.90	11057	0.32	94	0.64	587	0.83
Delhi	11	2.58	13514	2.97	2356	6.02	136901	3.78	210	5.55	3314	4.67
Goa	1	0.23	1072	0.24	81	0.20	6289	0.17	39	0.27	139	0.20
Himachalpradesh	10	2.34	4130	0.90	532	1.36	49190	1.36	151	1.03	1076	1.52
Lacadive Island	1	0.23	169	0.04	2	0.00	813	0.02	2	0.02	...	...
Manipur	1	0.23	760	0.17	33	0.08	27780	0.77	25	0.17	247	0.33
Pondicherry	1	0.23	1106	0.24	67	0.17	7345	0.20	19	0.13	57	0.08
Tripura	1	0.23	...	...	...	...	23175(a)	0.64	...	...	...	...
Central employment exchanges	1(a)	0.23	...	...	...	...	...	...	244	1.67	531	0.75
Total	426(b)	100.00	457091	100.00	39110	100.00	3621300	100.00	14594	100.00	70893(c)	100.00

Notes: (a) relate to May (b) Includes some professional and executive offices (c) Includes 2048 vacancies retyped by private employees filling with in purview of the employment Exchanges (compulsory) notification of vacancies) Act 1959, against which submission action was not required.  
+ as on June 1970

Source:- Labour Bureau, Ministry of Labour employment and rehabilitation

TABLE 5.1

## Inter-Sectoral Terms of Trade in India, 1950-51 to 1966-67

(Base 1952-53 = 100)

Year	Price indices of			Ratio of food	Ratio of food
	Food	Manufactures	Combined prices food & industrial raw materials.	to manu- factures (2) (3)	industrial raw materials prices to the price of manufacturing commodities (4) (3)
1	2	3	4	5	6
1950-51	108.9	112.5	103.3	116.9	113.1
1955-56	87.8	86.8	99.7	89.6	89.6
1960-61	96.8	120.0	123.9	126.1	101.7
1961-62	120.1	126.6	125.5	96.9	99.1
1962-63	126.1	128.8	128.6	97.9	99.8
1963-64	136.8	131.1	137.4	104.3	104.8
1964-65	159.9	137.3	160.6	116.5	117.7
1965-66	168.8	149.2	173.7	133.1	116.4
1966-67	199.8	163.0	206.7	122.5	126.8

Source: 1. RBI Monthly Bulletin, various issues, and  
 2. RBI Report on currency and Finance, various issues as reproduced in Eastern Economist, Annual Number 1971, p. 1149.

TABLE 5 2

Trends in India's Foreign Trade, 1950-51 to 1970-71

(Index Base : 1950-51 = 100)

Year	Cross-national product (Index Nos.)	Imports (a) (Index Nos)	Imports as percentage of GNP.	Exports as (a) (Index Nos.)	Exports as percentage of of GNP.	Exports as percentage of percentage of imports
1	2	3	4	5	6	7
1950-51	100.00	100.00	10.8	100.00	10.0	92.3
1951-52	105.75	134.54	13.7	116.79	11.0	80.2
1952-53	107.3	397.76	10.2	92.19	8.9	87.1
1953-54	110.83	83.41	8.1	85.85	7.7	95.1
1954-55	103.10	97.37	10.2	96.94	9.4	92.0
1955-56	108.83	119.41	11.8	97.36	8.9	75.3
1956-57	123.43	138.83	12.1	103.17	8.3	68.7
1957-58	126.09	159.32	13.6	105.70	8.4	61.3
1958-59	140.41	138.93	10.7	95.35	6.8	63.4
1959-60	145.28	147.80	11.0	106.44	7.3	66.5
1960-61	157.50	172.49	11.8	105.28	6.7	56.4
1961-62	167.74	167.61	10.8	109.08	6.5	60.1
1962-63	179.60	173.95	10.4	112.84	6.3	60.0
1963-64	206.82	188.00	9.4	131.36	6.3	64.6
1964-65	241.61	207.41	9.2	135.37	5.6	60.3
1965-66	251.72	214.05	9.2	133.47	5.3	51.3
1966-67	289.03	202.73	7.6	121.75	4.2	55.5
1967-68	340.13	195.90	6.2	125.98	3.7	59.4
1968-69	347.32	186.24	5.8	142.98	4.1	70.9
1969-70	378.29	152.88	4.4	148.68	3.9	89.9
1970-71	...	160.88	...	161.67	...	92.9

Notes: (a) At post devaluation rates

(b) Estimated by commerce Research Bureau

Source: (1) For GNP

(i) From 1950-51 to 1959-60 Lal R. N. "Measuring Investment in Public Sector" Lok Udyog, June 1971.

(ii) For later years, Govt. of India, C.S.O. Estimates of National Product 1960-61 to 1969-70 (May 1971)

(2) For Foreign trade

(i) For 1950-51 and from 1956-57 to 1959-60, RBI, Report on Currency and Finance, 1962-63.

(ii) For later years, Govt. of India, Department of Commercial Intelligence and Statistics, Monthly Statistics of the Foreign Trade of India, Vols. 1 &amp; 11 (Various issues)

Reproduced from Commerce Annual Number 1971.

TABLE 5.3

Productivity of Indian Railways, 1950-51 to 1970-71  
(Index Base: 1950-51 = 100)

Year	Net tonne Kilometres moved per annum per tonne of capacity			
	Board gauge		Metre gauge	
	K. M.	Index	K. M.	Index
1	2	3	4	5
1950-51	11833	100.00	9021	100.00
1955-56	14790	124.99	8497	94.19
1960-61	16558	139.93	10125	112.24
1965-66	15567	131.56	12255	135.85
1970-71	15117	127.75	12588	139.49

Source: Government of India, Ministry of Railways (Railway Board) Directorate of Statistics and Economics, A Review of the performance of the Indian Government Railways, February 1969, P. 45 February 1970, P. 54, May 1971 P. 58 and March, 1972, P 49 as quoted in commerce, March 18, 1972.

TABLE 5.4

Trends in Volume of Traffic Handled by Indian Railways  
1950-51 to 1970-71,

Year	Passenger traffic		Revenue earning goods traffic	
	In million passenger Kilo-metres	Index (1950-51 = 100)	In million tonnes	Index (1950-51 = 100)
	1	2	3	4
1950-51	66517	100.00	73.2	100.00
1955-56	62400	93.8	92.2	126.0
1960-61	77665	116.8	119.8	163.7 *
1965-66	96294	144.8	162.0	221.3
1970-71	118120	177.6	167.9	229.4

Source: Government of India, Ministry of Railways (Railway Board) Directorate of Statistics and Economics, A Review of the performance of the Indian Government Railways, February 1969, 1970, May 1971 and March 1972 as quoted in Commerce, March 18, 1972.

TABLE 5.5

## Cost-Price Squeeze on Indian Railways, 1950-51/1971-72

ITEM	Percentage increase between 1950-51 and 1971-72 (estimated)
1	2
Prices received	
(a) Rate per tonne kilometre	76
(b) Rate per passenger kilometre	73
Prices paid	
(a) Coal	138
(b) Iron and Steel manufactures	214
(c) Cement	165
(d) Per capita cost of employees	182

Source: Government of India, Ministry of Railways (Railway Board), Directorate of Statistics and Economics, 'A Review of the performance of the Indian Government Railways, March 1972.

TABLE 5.6

Indices of Capital and Output of Indian Railways<sup>h</sup>  
1950-51 to 1971-72 (Base: 1950-51=100)

Year	Capital at charge equated to 50-51 prices	Output	
		Freight (net) tonne	Passenger Kilometres
1	2	3	4
1950-51	100.00	100.00	100.00
1955-56	107.00	135.00	93.8
1960-61	130.9	198.7	116.8
1965-66	171.1	265.1	144.8
1970-71	188.1	288.7	177.6

Source: Government of India, Ministry of Railways (Railway Board), Directorate of Statistics and Economics, 'A Review of the performance of the Indian Government Railways, May 1971' P.60 and March 1972 P.58 as quoted in Commerce March 18, 1972.

TABLE 5.7

**Indices of Prices Received And Paid by Railways,  
1950-51 to 1971-72 (Base 1950-51 100)**

Year	Indices of prices received		Indices of cost			
	Per tonne kilometres	Per passenger kilometre	Coal	Iron & Steel manufactures	Employees (per capita)	
	1	2	3	4	5	6
1950-51	100	100	100	100	100	100
1955-56	111	117	101	142	117	117
1960-61	122	116	141	177	142	142
1965-66	145	154	173	219	185	185
1970-71	172	169	238	297	270	270
1971-72 (a)	176	173	238	314	282	282

Note: (a) = Estimated

Source: Government of India, Ministry of Railways (Railway Board)- Directorate of Statistics and Economics, A Review of the Performance of the Indian Government railways, May, 1971 and March, 1972 P.63 as quoted in Commerce, March 18, 1972 P.658

TABLE 5.8

**Ratios Relating to Return on Investment on Indian  
Railways, 1950-51 to 1972-73**

Year	Working expenses as	Net revenue	Net surplus as	
	% of gross traffic receipts	as % of capital at charge	% of capital at charge	
	1	2	3	4
1950-51		79.9	5.8	1.8
1955-56		81.6	5.2	1.5
1960-61		78.4	5.8	2.1
1965-66		79.5	5.0*	0.7
1970-71		84.2	4.3	-0.6
1971-72 (RE)		83.5	4.6	+0.3
1972-73 (BE)		81.8	5.3	+0.9

Source: Government of India, Ministry of railways (railway Board), Explanatory memorandum on the railway Budget, 1972-73 as quoted in Commerce, March 18, 1972 P.658.

TABLE 5.9

Operational Ratios of Indian Railways, 1950-51 To  
1967-68 (Index Base: 1950-51 = 100)

Year	Average freight per tonne Kilometre.		Average fare per passenger Kilometre	
	Paise	Index	Paise	Index
1	2	3	4	5
1950-51	3.16	100.00	1.48	100.00
1960-61	3.87	122.47	1.71*	115.54
1965-66	4.57	144.62	2.28	154.05
1966-67	4.71	149.05	2.25	152.03
1967-68	4.85	153.48	2.36	159.46
1968-69	5.08	160.76	2.48	167.57

\* Excludes the passenger fare tax levied since 7-9-1957 and subsequently merged with passenger fares from 1-4-1961. The incidence of tax works out to about 10 per cent of the aggregate passenger earnings.

TABLE 5.10

Percentage Distribution of Railway Route Length by States, 1967+

States	Broad-gauge		Metre-gauge		Narrow-gauge		Total		Route length per 100 sq. KMs.of area	
	K.M.	%	K.M.	%	K.M.	%	K.M.	%	9	10
1	2	3	4	5	6	7	8	9	10	
TOTAL	28053.5	100.00	25393.2	100.00	4088.7	100.00	57515.3	100.00	18	
Andhra Pradesh	2874.0	10.25	1718.4	6.77	36.9	0.90	4612.4	8.02	17	
Assam	105.2	0.37	2088.6	8.23			2193.8	3.81	11	
Bihar	3189.7	11.37	1942.5	7.65	69.2	1.69	5201.4	9.04	30	
Gujarat	895.9	3.19	3400.7	13.39	1134.8	27.75	5431.4	9.44	29	
Haryana	786.9	2.80	628.8	2.48	3.4	0.08	1417.1	2.46	32	
Jammu & Kashmir	6.2	0.02	...	...	...	...	6.2	0.01	Neg.	
Kerala	553.4	1.98	336.5	1.33	...	...	889.2	1.55	23	
Madhya Pradesh	3648.6	13.01	497.5	1.96	1137.7	27.83	5283.8	9.19	12	
Maharashtra	2782.5	9.92	1307.5	5.15	1102.9	26.97	5193.0	9.03	17	
Mysore	546.1	1.95	2042.7	8.04	156.8	3.84	2745.5	4.77	14	
Nagaland	...	...	9.4	0.04	...	...	9.4	0.02	1	
Orissa	1543.8	5.50	...	...	143.0	3.50	1686.8	2.93	11	
Punjab	1909.3	6.81	194.8	0.76	11.9	0.29	2115.9	3.68	42	
Rajasthan	648.7	2.31	4720.3	14.59	87.2	2.14	5456.2	9.49	16	
Tamil Nadu	863.5	3.08	2722.1	10.72	...	...	3585.6	6.23	28	
Uttar Pradesh	5358.4	19.10	3258.1	12.83	2.0	0.05	8618.4	14.98	29	
West Bengal	2340.3	8.34	525.3	2.06	202.9	4.96	3068.5	5.35	35	

March 1967

Source: Statistics for Planning series No.4, Industries &amp; Infrastructure (Page 80).



**TABLE 5.11**  
**Rate of Growth of Road Traffic Turn over in India, 1951-52**  
**to 1965-66**  
**(Average annual rate of growth)**

Details	1951-52 to 1955-56.	1956-57 to 1960-61.	1961-62 1965-66.
1	2	3	4
1 Agricultural production	4.2	5.1	1.8
2 Industrial production	4.9	8.3	8.3
3 National Income (Current price)	0.9	7.3	
4 Good traffic turn over	7.2	16.2	8.3
5 Passenger traffic turn over	12.5	18.1	22.9

Source: Journal of Industry and Trade, January 1972, p. 36.

**TABLE 5.12**  
**Growth of Road Traffic Turn over in India, 1950-51,**  
**1960-61 & 1968-69**

Details	1950-51	1960-61	1968-69
1	2	3	4
<b>Traffic turn over (billion tonne Km)</b>			
(a) Goods	5.5	17.4	40.0
(b) Passenger	23.1	57.0	98.0
<b>Index of growth</b>			
(a) Goods	100.0	316.4	727.3
(b) Passenger	100.0	246.4	424.2
<b>Percentage share of road in total traffic turn over (carried by road and rail)</b>			
(a) Goods	11.1	16.2	24.2
(b) Passenger	25.8	42.2	47.8

Source: Journal of Industry and Trade, January 1972 p.36.

TABLE 5.13

Road Length in Relation to Area and Population in  
India, State-wise, 1967+  
(Length in Kilometres)

State/Union Territory	Per 100sq. kms. of area		Per lakh of population			
	Surfaced roads	unsurfaced roads	All roads	Surfaced roads	unurfa- ced road	All road
1	2	3	4	5	6	7
Andhrapradesh	10	18	28	64	123	187
Assam	4	30	34	56	253	289
Bihar	8	23	31	25	74	99
Gujarat	8	11	19	60	83	143
Jammu & Kashmir	1	7	8	85	389	474
Kerala	50	94	144	98	184	822
Madhyapradesh	6	9	15	67	105	172
Maharashtra	10	8	18	65	52	117
Mysore	18	13	31	126	89	215
Nagaland	1	23	24	62	905	967
Orissa	6	27	33	45	209	254
Punjab	10	36	46	50	176	226
Rajasthan	5	9	14	73	123	196
Tamil nadu	31	15	46	109	53	162
Uttarpradesh	9	23	42	32	114	146
West Bengal	18	42	60	39	88	127
Union Territories	3	16	19	60	268	228
All India	9	18	27	59	114	173

+ as on 31-3-3-1967

Source: Statistical Abstract of the Indian Union (C. S. O.) 1967 For the Area and Population).

TABLE 5.14

Average\* Lead of Various commodities Carried by Road  
Transport in India

Sl. No.	Commodity	Average lead Kms.
1	3	3
1.	Building material	150
2.	Cement	260
3.	Coal, soft coal & Charcoal	235
4.	Cotton	584
5.	Fodder	198
6.	Foodgrains	228
7.	Fruits and vegetables	300
8.	Ghee & Vegetable oils	438
9.	Glass & glass products	434
10.	Hides & skins, bones etc.	424
11.	Iron & steel	412
12.	Jute raw	394
13.	Leather and leather products	572
14.	Lime stones	140
15.	Livestock	620
16.	Manure chemicals	236
17.	Medicines and chemicals	544
18.	Machines and tools	754
19.	Mineral oils	300
20.	Mineral ores	179

TABLE 5.14 Contd.

21. Milk and milk products	...	324
22. Miscellaneous	....	526
23. Oilseeds	...	281
24. Organic manure	...	279
25. Other agricultural products	...	403
26. Other commodities (unclassified)	...	440
27. Paper, card board	...	220
28. Provisions	...	467
29. Rubber and rubber manufactures	...	961
30. Salt	...	232
31. Sugar, khandsari, gur etc.	...	269
32. Sugarcane	....	474
33. Tea, coffee and cocoa	...	354
34. Textiles	....	530
35. Tobacco manufactured	....	592
36. Wood of all kinds	....	226
37. Wood manufactured good	...	478
Average for all commodities	...	364

\* This is based on All India Goods Traffic Survey carried out by Ministry of Transport during 1963 on selected long distance routes.

TABLE 5.15

Government expenditure on roads as percentage to Government Revenue from Road transport in India 1960 to 1967.

Year	Central	States	Total
1	2	3	4
1960	27.59	124.59	67.31
1961	21.61	155.00	65.75
1962	18.45	142.99	61.38
1963	22.01	125.36	58.89
1964	23.70	90.89	46.66
1965	22.17	88.72	44.10
1966(B)	22.34	94.46	45.49
1967(B)	17.77	79.26	38.36

(B) Revised estimates

Source: Indian Transport Statistics 1969 Ministry of shipping and Transport P.20

TABLE 5.16

Distribution (in Percentages) of Commercial Vehicles, Revenue, National Income And Employment From Road Transport in India by States

State	Percentage share of commercial vehicles			No. of commercial vehicles per		Revenue raised in 1967-68		Generation of National Income		Generation of Employment	
	1955	1968	100 sq. K.M. of area	Lakh of Population	Rupees crores	%	Rupees crores	%	Lakh	%	
	1	2	3	4	5	6	7	8	9	10	11
TOTAL	100.0	100.00	11	72	168.0	100.00	290.6	107.00	41.0	10000	
Andhra Pradesh	6.1	6.3	8	57	13.4	7.97	27.0	9.29	2.8	6.83	
Assam	4.0	4.6	12	113	5.0	2.98	11.9	4.10	1.6	3.90	
Bihar	4.1	4.4	10	30	5.5	3.27	8.1	2.79	1.7	4.15	
Gujarat	7.3	7.6	5	114	12.2	7.26	14.5	4.99	2.4	5.85	
Jammu & Kashmir	1.2	1.4	2	128	1.0	0.60	2.9	1.00	0.6	1.46	
Kerala	2.9	4.1	38	76	9.0	5.36	13.7	4.70	1.7	4.15	
Madhya Pradesh	5.1	6.0	5	58	8.3	4.94	15.4	5.30	2.6	6.34	
Maharashtra	16.5	15.3	18	120	26.7	15.89	49.4	17.00	6.2	15.12	
Mysore	5.6	5.7	11	77	11.7	6.96	16.9	5.82	3.0	7.32	
Orissa	2.1	2.7	6	45	3.0	1.79	5.8	2.00	1.2	2.93	
Punjab	4.4	4.6	19	75	10.0	5.95	30.5	10.50	1.6	3.90	
Rajasthan	5.5	6.0	7	91	6.8	4.05	9.6	3.30	2.5	6.10	
Tamil Nadu	7.6	6.5	18	64	22.0	13.10	29.1	10.00	2.7	6.59	
Uttar Pradesh	9.0	8.4	10	37	15.1	8.99	16.9	5.82	3.5	8.54	
West Bengal	16.0	11.2	47	99	14.1	8.39	33.7	11.60	5.6	13.66	
Union Territories	2.6	5.2	7	73	4.2	2.50	5.2	1.79	1.3	3.16	

Note: Figures for Haryana are included under Punjab.

Source: Tapan Piplai, The Growth of Road Transport in India. Journal of Industry & Tread, January 1972, p.37.

TABLE 5.17

Percentage of Nationalised Buses in India by States, 1968 +

State/Union Territory	Buses		Percentage
	*Nationalised Total		
1	2	3	4
Andhrapradesh	2202	6207	35.48
Assam (a)	453	2400	18.88
Bihar	1133	3134	36.15
Gujarat	3708	4059	91.35
Haryana	567	1020	55.59
Jammu & Kashmir	261(b)	959	27.22
Kerala	1175	4889	24.02
Madhya pradesh	1637	4776	34.28
Maharashtra	6294	8396	74.96
Mysore	2287	7101	32.21
Orissa	882	1354	62.92
Punjab	993(c)	2266	43.82
Rajasthan	484	6532	7.41
Tamilnadu	1594(b)	7797	20.44
Uttarpradesh	3704	8165	45.36

TABLE 5.17

West Bengal	1306	8200	15.93
Andaman & Nicobar Islands	27	30	90.00
Chandigarh (a)	30	30	100.00
Delhi	1206	1836	65.69
Goa, Daman & Diu	—	581	—
Himachal Pradesh	457	520	87.88
Manipur	106(d)	200	53.00
Pondicherry	—	77	—
Tripura	—	243	—
All India	30477	80772	37.73

\* Buses owned by State Transport Undertakings

(a) As on 31-3-1967

(b) As on 31-12-1967

(c) Figures for Punjab Government Transport Services are as on 31-3-67 where as figures for PEPSU Road Transport Corporation are as on 31-3-1968.

(d) As on 30-9-1967.

Note: Under Col. 3, the figures for Andhrapradesh, Kerala, Madras and Manipur are actuals, where as for the remaining States they have been estimated.

+ as on 31-3-1968.

Source: India Transport Statistics, 1969, Ministry of Shipping and Transport, P: 28.



TABLE 5.18

## Operational Ratios of State Transport Undertakings in India, 1960 to 1968

Details	1960	1965	1966	1967	1968
1 Buses owned by State Transport undertakings as percentage to total number of buses	33.0	35.2	36.3	36.8	37.7
2 Buses in scheduled service as percentage to fleet	69.6	74.1	74.7	74.5	75.0
3 Vehicle utilization per day (kms)	130	148	151	152	156
4 Operating cost as percent to gross Revenue (operating ratio)	89.41	95.30	95.76	99.99	98.63

Note: Items 1 & 2 as on 31st March. Items 3 & 4 for the year ending 31st March.

Source: India Transport Statistics, 1969, Ministry of Shipping and Transport, pages 23, 24, 26 and 27.

TABLE 5.19  
Operational Ratios of State Transport Undertakings in India,  
Undertakingwise, 1967-68

State	Name of the State Transport undertaking	Vehicles in scheduled service as % to total fleet of buses	Traffic scores under repairs as % to total fleet of buses	Vehicle utilisation (KM/Bus)	Operating Ratios +
1	2	3	4	5	6
Andhrapradesh	Andhrapradesh State Road Transport Corporation, Hyderabad	81.4	18.6	68899	90.9
Assam	State Transport, Assam, Shillong	53.4@	46.6@	33,973*	98.7†
Bihar	Bihar State Road Transport, Corporation patna	64.0	36.0	42,325	110.4
Gujarat	(1) Gujarat State Road Transport Corporation, Ahmedabad	78.7	21.3	57,115	100.2
	(2) Ahmedabad Municipal Transport Services Ahmedabad	84.4	15.6	50,803	108.3
Haryana	Haryana Government Transport Services, Chandigarh	94.4	5.6	74,549	78.4
Jammu and Kashmir	Jammu and Kashmir Government Transport undertaking	81.6@1	18.4@1	43,463‡	95.5‡
Kerala	Kerala State Road Transport Corporation, Trivandrum	84.4	15.6	69,699	87.8
Madhyapradesh	Madhyapradesh State Road Transport Corporation, Baira garh	81.4	18.6	61,204	111.8

TABLE 5.19 (contd.)

1	2	3	4	5	6
Maharashtra	(1) Maharashtra state road transport Corporation, Bombay	78.3	21.7	64,777	95.3
	(2) Bombay Electric supply transport undertaking, Bombay.	83.3	16.7	53,827	116.7
	(3) Poona Municipal Transport Service, Poona	82.6	17.4	56,156	96.1
Mysore	Mysore State road Transport Corporation, Bangalore	77.1	22.9	59,316	91.5
Orissa	(1) State transport Services, Orissa, Cuttack	59.1	40.9	31,463	81.5
	(2) Orissa Road transport Co. Ltd., Berhampur	74.0	26.0	46,024	70.5
Punjab	(1) Punjab Govt. Transport services, Chandigarh	85.1@	14.9@	70,318*	80.7*
	(2) Pepsu Road transport Corporation, Patiala	89.9	10.1	73,194	92.2
Rajasthan	Rajasthan State Road Transport corporation, Jaipur	45.0	55.0	37,128	105.4
Tamilnadu	State Transport Department Madras	79.2@1	20.8@1	73,081‡	103.1‡
Uttarpradesh	U. P. Govt. Roadways, Lucknow	65.0	35.0	51,307	92.3
West Bengal	(1) Calcutta State Transport Corporation, Calcutta	57.4	42.6	34,530	135.6
	(2) North Bengal State Transport corporation, Cooch - Behar	76.0	24.0	50,540	104.0
Andaman and Nicobar	State transport Services, Andaman and Nicobar Islands	55.6	44.4	33,710	82.8
Chandigarh	Chandigarh Transport undertaking	100.0@	....	55,506*	136.0*
Delhi	Delhi Transport undertaking	67.2	32.8	51,534	123.3
Himachalpradesh	(1) Himachal Govt. Transport Simla	63.0@1	37.0@1	29,955‡	104.4‡
	(2) M. K. Road transport Corporation, Mandi,	97.4	2.6	49,073	103.0
Manipur	Manipur State transport Department Imphal	43.4£	56.6£	17,002**	88.8**
All India	...	75.0	25.0	56,974	98.6

+ Total Operational cost as percent to gross revenue

\* Figures relate to 1966-67.

@ as on 31-3-1967

@1 as on 31-12-1967

‡ figures relate to the year ending 31-12-1967. The figures of Himachal Government Transport for the quarter ended march 1967 pertain to combined operations whereas those for the subsequent quarters are in respect of bus operations only.

£ as on 31-9-1967

\*\* Figures relate to the year ended 30-9-1967.

Source: India Transport Statistics 1969, Ministry of shipping and Transport, P.29 to 34.

TABLE 5.20

Cost of Operation per Effective Vehicle Kilometre of State Road Transport Undertakings in India, Undertaking-wise, 1967-68

(In paise)

Road Transport Corporation	Cost of personnel	Cost of material	Depreciation	Over head costs	Total
1	2	3	4	5	6
1 Andhrapradesh road transport corporation, Hyderabad	23.72	42.73	11.77	27.75	105.97
2 State transport, Assam, Shillong	39.35	45.88	20.84	24.56	130.63
3 Bihar state road transport, corporation, Patna	27.98	59.02	14.06	27.80	108.86
4 Gujarat state road transport corporation, Ahmedabad	29.03	44.79	12.90	39.80	126.52
5 Ahmedabad Municipal transport corporation Ahmedabad	47.41	40.15	9.46	16.35	113.37
6 Haryana Government Transport Services Chandigarh	15.70	40.81	9.01	8.39	73.91
7 Jammu and Kashmir Government transport undertaking	21.03	37.85	12.56	23.33	94.77
8 Kerala road transport corporation, Trivandrum +	26.58	37.50	6.47	22.38	92.93
9 Madhyapradesh State Road transport Corporation, Bairagarh	19.24	43.58	10.98	28.98	102.78
10 Maharashtra road transport corporation, Bombay	26.19	40.08	14.47	44.65	125.39
11 Bombay Electric Supply and Transport undertaking, Bombay	77.63	55.58	14.02	31.12	178.35
12 Poona Municipal transport service, Poona	39.05	39.52	8.40	28.81	115.78
13 Mysore state road transport corporation, Bangalore	26.30	38.32	13.97	34.50	113.09
14 State transport services, Orissa, cutlack	24.93	36.27	15.98	25.41	102.59
15 Orissa road transport Co. Ltd., Berhampur	25.25	36.87	16.21	20.94	99.27

TABLE 5.20 (contd.)

16 Punjab Government transport services, Chandigarh	13.39	39.75	8.49	8.42	70.05
17 Pepsu road transport corporation, Patiala	16.01	40.20	9.40	19.57	85.18
18 Rajasthan Government Roadways, Jaipur	26.11	35.90	18.78	29.13	109.92
19 State transport Department, Madras	21.06	35.53	13.17	24.52	94.28
20 U. P. Govt. Roadways, Lucknow	28.96	32.85	10.11	12.95	84.87
21 Calcutta state transport corporation, Calcutta	84.10	58.32	17.00	33.27	192.69
22 North Bengal state transport corpo- ration, Cooch Behar	44.33	51.75	10.46	19.07	125.61
23 State transport services, Andaman and Nicobar	20.67	40.15	16.50	2.30	79.62
24 Chandigarh transport undertaking Chandigarh+	26.51	44.09	11.67	18.45	100.72
25 Delhi transport undertaking	47.04	45.50	15.09	18.85	126.48
26 Himachal Government transport Simla	27.77	77.62	20.19	17.45	143.03
27 M. K. Road Transport corporation, Mandi (Himachal)	32.15	60.95	18.52	32.48	144.11
28 Manipur State Transport Department, Imphal	28.32	62.41	17.49	30.02	138.24
All India	29.54	41.64	12.59	28.35	112.12

+ Figures relate to the year, 1966-67

Source: Indian Transport Statistics, 1969, Ministry of Shipping and Transport +

TABLE 6.1

Literacy Rates in India by States, 1961 and 1971 (Percentage to total population)

India/State	1961			1971		
	Persons	Males	Females	Persons	Males	Females
1	2	3	4	5	6	7
India	24.03	34.45	12.95	29.34	39.15	18.44
States						
Andhra Pradesh	21.19	30.19	12.03	24.56	33.27	15.65
Assam	29.19	39.71	17.11	28.84	37.74	18.91
Bihar	18.40	29.83	6.90	19.79	30.60	8.49
Gujarat	30.45	41.13	19.10	35.72	46.17	24.56
Haryana	19.93	29.23	9.21	26.69	37.20	14.68
Himachal Pradesh	21.26	32.31	9.49	31.32	42.30	20.04
Jammu & Kashmir	11.03	16.97	4.26	18.30	26.41	9.10
Kerala	46.85	54.97	38.90	60.16	66.54	53.90
Madhya Pradesh	17.13	27.03	6.73	22.12	32.76	10.84
Maharashtra	29.82	42.04	16.76	39.08	51.30	25.97
Mysore	25.40	36.15	14.19	31.54	41.87	20.76
Nagaland	17.91	24.04	11.34	27.33	34.42	19.21
Orissa	21.66	34.68	8.65	26.12	38.35	13.75
Punjab	26.74	34.70	17.41	33.39	40.06	25.75
Rajasthan	15.21	23.71	5.84	18.79	28.42	8.26
Tamil Nadu	31.41	44.54	18.17	39.39	51.68	26.82
Uttar Pradesh	17.65	27.30	7.02	21.64	31.76	10.18
West Bengal	29.28	40.08	16.98	33.05	42.84	22.08

TABLE 6.2

Expenditure on Education as percentage to total Expenditure in India by States, 1970-71 and 1971-72.

States	Percentage of Expenditure on Education	
	1970-71	1971-72
1	2	3
1 Andhra Pradesh	10.9	18.9
2 Assam	18.8	18.9
3 Bihar	7.3	17.4
4 Gujarat	10.8	19.2
5 Harayana	19.9	17.0
6 Jammu & Kashmir	11.7	11.5
7 Kerala	33.4	31.1
8 Madhya Pradesh	21.8	19.4
9 Maharashtra	11.3	19.0
10 Mysore	20.1	20.3
11 Nagaland	9.3	9.9
12 Orissa	12.0	16.7
13 Punjab	23.3	21.7
14 Rajasthan	15.3	20.3
15 Tamil Nadu	12.2	23.0
16 Uttar Pradesh	11.1	19.3
17 West Bengal	19.4	20.2
All States	15.5	19.4

Fact Book on Social Services - Education.

TABLE 6.3

Per Capita Expenditure on Education in India by States, 1962-63 to 1969-70

State	1962-63	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	% increase from 62-63 to 1969-70	% increase from 68-69 to 1969-70
1	2	3	4	5	6	7	8	9	10
1 Andhrapradesh	5.96	7.40	7.67	7.98	8.22	10.54	12.22	105.03	15.94
2 Assam	6.92	9.49	10.82	10.55	10.94	13.93	16.27	135.12	16.80
3 Bihar	3.54	3.70	3.89	4.29	4.54	5.66	8.65	144.35	52.83
4 Gujarat	6.08	7.06	8.44	8.95	11.12	11.68	13.22	117.43	13.18
5 Haryana	...	...	...	...	...	14.75	16.41	...	11.25
6 Jammu & Kashmir	7.70	12.60	11.48	14.56	NA.	18.40	19.97	159.35	8.53
7 Kerala	11.23	14.54	15.19	18.48	20.19	22.86	25.18	124.22	10.15
8 Madhyapradesh	7.33	8.85	8.49	8.68	10.48	10.94	11.66	59.07	6.58
9 Tamil Nadu	7.79	9.30	10.77	11.97	14.09	15.15	16.09	106.55	6.20
10 Maharashtra	4.78	8.28	8.53	9.01	11.77	14.64	14.86	210.88	1.50
11 Mysore	7.02	9.22	9.53	10.60	11.52	13.20	15.28	117.66	15.76
12 Nagaland	...	...	...	...	...	...	64.65	...	...
13 Orissa	4.32	5.27	5.83	7.02	8.11	9.22	9.73	125.23	5.53
14 Punjab	6.66+	9.08+	9.63+	NA.	NA.	17.92	18.97	184.83	5.86
15 Rajasthan	6.22	7.17	8.27	9.28	11.13	12.41	14.82	138.26	19.42
16 Uttarpradesh	3.42	4.51	5.68	5.54	6.05	6.88	7.87	130.12	14.39
17 West Bengal	5.93	5.86	7.04	9.14	10.01	10.81	13.69	130.86	26.64
India	...	...	...	...	...	11.08	12.53	...	13.09

+ Includes Haryana.



TABLE 6.4

Difference Between Percentage Enrolment of Scheduled Caste Children to total enrolment and Percentage Population of Scheduled Castes, by States 1964-65

State.	% of scheduled Primary/Junior Middle/Senior High/Higher Higher				
	caste popula- tion in this state	Basic	Basic	Secondary	Educa- tion.
1	2	3	4	5	6
Andhrapradesh	13.8	+ 0.2	- 4.2	- 5.6	- 8.4
Assam	6.2	+ 0.9	+ 0.2	- 0.1	- 1.8
Bihar	14.1	- 3.7	- 6.2	- 8.2	-10.3
Gujarat	6.6	- 1.0	+ 1.3	- 1.6	- 4.4
Kerala	8.4	+ 2.2	+ 0.8	- 0.4	- 4.7
Madhyapradesh	13.1	- 3.2	- 4.7	- 7.8	- 9.4
Madras	18.0	+ 0.1	- 3.1	- 5.2	-13.0
Maharashtra	5.6	+ 4.7	+ 2.7	+ 2.3	+ 1.9
Mysore	13.2	- 0.6	- 4.3	- 7.5	-10.4
Punjab	20.4	- 6.9	-11.5	-12.0	-15.8
Rajasthan	16.7	- 4.3	- 8.0	-10.6	-14.8
Uttarpradesh	20.9	- 7.6	-10.1	-12.1	-16.3
West Bengal	19.9	- 3.5	- 8.5	-13.7	-14.3

Source:- Commissioner for schedule caste and scheduled tribes - as quoted in Economics and political weekly Vol. VII No. 4 Page 169.

TABLE 6.5

Percentage Distribution of Group-wise Production of Books in India,  
1955, 1960, 1965, & 1969.

Group	1955		1960		1965		1969	
	No. of titles	%	No. of titles	%	No. of titles	%	No. of titles	%
1	2	3	4	5	6	7	8	9
1 Social Sciences	1830	9.86	3310	30.82	4998	38.17	4623	33.66
2 Literature	1881	10.14	3971	36.97	2969	22.68	3869	28.17
2 History/Geography	838	4.52	686	6.39	807	6.16	1168	9.23
4 Applied Sciences	1878	10.12	360	3.35	1440	11.00	1199	8.73
3 Religion	2542	13.70	1034	9.63	811	6.19	1082	7.88
6 Pure Sciences	950	5.00	582	5.42	561	4.29	607	4.42
7 Philosophy	215	1.16	135	1.26	286	2.18	366	2.67
8 Philology	1479	7.97	269	2.50	249	1.90	265	1.93
9 Generalities	6389	34.43	217	2.01	807	6.16	257	1.87
10 Arts	577	3.10	177	1.65	166	1.27	197	1.41
Total	18559	100.00	10741	100.00	13094	100.00	13733	100.00

Commerce, April 1, 1972.

TABLE 6.6  
Percentage Distribution of Language-wise Production of Books in India,  
1965 and 1969

Language	1965		1969	
	No. of titles	Percent to total	No. of titles	Percent to total
English	5148	44.8	4,842	35.4
Hindi	1556	13.5	2723	19.9
Marathi	1091	9.5	1237	9.0
Bengali	877	7.6	1082	7.9
Gujarati	745	6.5	871	6.3
Tamil	411	3.6	802	5.8
Malayalam	355	3.1	551	4.0
Kannada	193	1.2	472	3.4
Telugu	262	2.3	429	3.1
Punjabi	59	0.5	225	1.6
Urdu	110	0.9	156	1.1
Oriya	77	0.7	138	1.0
Sanskrit	142	1.2	104	0.8
Assamese	50	0.4	97	0.7
Others	510	4.2	4	Neg
Total	11526	100.0	13733	100.0

\* Books only. Inclusive of pamphlets and other related materials, the total production of titles was 13,694

Source: UNSECO, Statistical Year book (various issues)

TABLE 6.7

Book Production in India as Percentage to World Production, 1955 to 1969

Year	Number of titles		Percentage share of India in the world book production
	World	India	
1955	285000	18559	6.5
1960	364000	10741	2.9
1963	399000	18236	4.6
1964	408000	13128	3.2
1965	450000	13094*	2.9
1966	460000	12123*	2.6
1967	478000	10617*	2.2
1968	487000	11413*	2.3
1969	496000	13733*	2.8

Source: UNESCO, Statistical Year book (various years)

\* Books alone accounted for 11,526 (These statistics are an obvious under estimate mainly because information about a large number of books published in India is not included in them. The average estimate runs to 20000 titles per year.

TABLE 6.8

Birth and Death Rates in India +, 1921-71

Year	Birth rate	Death rate
1	2	3
1911-1921	49.2	48.6
1921-1931	46.4	36.3
1931-1941	45.2	31.2
1941-1951	39.9	27.4
1951-1961	41.7	22.8
1961-1971	39.0	14.0

+ Census estimates.

TABLE 6.9

Per Capita Expenditure on Health Services in India by States, 1962-63 to 1970-71

States	1962-63	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70	1970-71	% increase from 62-63 to 1970-71	% increase from 68-69 to 1970-71
1	2	3	4	5	6	7	8	9	10	11
1 Andhrapradesh	2.28	2.64	3.21	3.68	4.23	4.47	5.27	6.10	167.54	36.47
2 Assam	3.12	3.40	3.78	3.91	4.35	4.45	5.28	5.44	74.36	22.25
3 Bihar	1.78	1.95	2.09	1.91	2.47	2.47	3.05	3.45	93.82	39.68
4 Gujarat	1.99	3.15	3.75	3.77	4.34	5.06	6.18	6.97	250.25	37.75
5 Jammu & Kashmir	3.82	8.55	6.52	7.67	NA	9.60	10.10	10.47	174.08	9.06
6 Kerala	3.67	5.14	4.49	5.28	5.93	6.82	6.96	7.61	107.36	11.58
7 Madhyapradesh	2.73	2.74	2.89	2.97	3.57	4.11	4.97	5.06	85.35	23.11
8 Tamilnadu	2.63	3.25	3.71	4.19	4.44	5.15	5.90	6.53	148.29	26.80
9 Maharashtra	2.81	3.65	4.40	4.23	5.12	6.15	7.47	8.07	187.19	31.22
10 Mysore	3.20	3.52	3.03	3.25	3.81	4.20	4.95	5.34	66.88	27.14
11 Orissa	2.00	2.97	2.94	2.83	3.76	3.90	4.96	5.41	170.50	38.72
12 Punjab	2.43+	2.42+	3.64+	4.50+	NA	5.21	6.06	7.71	217.28	47.98
13 Rajasthan	2.87	3.78	4.24	4.64	7.13	6.02	7.01	8.15	183.97	35.38
14 Uttarpradesh	1.41	2.05	2.07	2.35	2.42	2.76	3.57	3.51	148.94	27.17
15 West Bengal	3.05	3.36	3.44	4.53	5.30	4.92	5.82	6.45	111.48	31.10
16 Haryana	...	...	....	...	....	4.06	5.80	8.34	...	105.42
17 Nagaland	...	...	...	...	...	32.09	41.63	34.11	...	6.29
18 Himachal pradesh	NA	NA	NA	NA	NA	NA	3.57	3.51	...	- 1.68*
INDIA	NA	NA	NA	NA	NA	4.31	5.16	5.72	...	32.71

+ includes Haryana \*% increase over 1969-70.

Source: 1962-63, Economic Review 1963, p.181

1964-65, Economic Review 1964, p.102

1965-66 to 1970-71 Statistics for planning series 6, social services, state planning Board and Bureau of Economics and Statistics Kerala, 1972, p.59.

TABLE 6.10  
Per capita Expenditure on Family Planning  
in India, Statewise, 1967-68

Sl.No.	Name of State	Per capita expenditure (Rs)
1	Andhra Pradesh	0.49
2	Assam	0.16
3	Bihar	0.23
4	Gujarat	0.70
5	Haryana	0.48
6	Jammu & Kashmir	0.65
7	Kerala	0.61
8	Madhya Pradesh	0.48
9	Tamilnadu	0.51
10	Maharashtra	0.64
11	Mysore	0.47
12	Orissa	0.67
13	Punjab	0.54
14	Rajasthan	0.52
15	Uttar Pradesh	0.34
16	West Bengal	0.37
	India	0.46

TABLE 6.11

Distribution of Medical and Health Institutions And Beds in India by States, 1968+

Sl. No.	Name of State Or Territory	Estimated Population in 68-69		Medical colleges		Primary Health centres on 30-9-68		Development Block without PH centres on 30-9-68		Sub-centres on 30-9-68		Beds per 1000 Population
		Million	%	No.	%	No.	%	No.	%	No.	%	
1	2	3	4	5	6	7	8	9	10	11	12	13
	INDIA	5270.144	100.00	93	100.00	4840	100.00	351	100.00	21750	100.00	0.49
1	Andhra	41.771	7.92	8	8.60	409	8.45	9	2.56	1122	5.16	0.61
2	Assam	14.857	2.81	3	3.22	99	2.05	77	21.94	277	1.27	0.45
3	Bihar	55.427	10.52	4	4.30	587	12.15	...	...	3523	16.20	0.24
4	Gujarat	25.363	4.80	5	5.38	250	5.17	...	...	1497	6.88	0.46
5	Haryana	9.574	1.82	1	1.08	89	1.85	...	...	482	2.22	0.44
6	Jammu & Kashmir	3.953	0.75	1	1.08	69	1.43	4	1.15	118	0.54	1.00
7	Kerala	20.424	3.88	4	4.30	163	3.37	...	...	1584	7.28	0.94
8	Madhya Pradesh	39.067	7.40	6	6.45	428	8.84	29	8.26	1220	5.61	0.32
9	Maharashtra	47.979	9.10	11	11.82	382	7.89	...	...	2776	12.76	0.50
10	Mysore	28.155	5.34	9	9.68	265	5.48	...	...	1964	9.03	0.52
11	Nagaland	0.448	0.09	...	...	6	0.12	11	3.13	...	...	2.25
15	Orissa	20.795	3.95	3	3.22	306	6.32	8	2.28	747	3.43	0.37
13	Punjab	14.043	2.66	4	4.30	126	2.60	3	0.85	659	3.03	0.69

TABLE 6.11 (contd.)

	2	3	4	5	6	7	8	9	10	11	12	13
14. Rajasthan	25.047	4.75	5	5.88	231	4.77	1	0.28	549	2.52	0.51	
15. Tamilnadu	38.344	7.28	9	9.68	293	6.05	78	27.22	1461	6.72	0.70	
16. U. P.	87.393	16.58	8	8.60	688	14.21	...	...	2902	13.34	0.37	
17. West Bengal	42.886	8.14	6	6.45	222	4.59	113	32.19	542	2.49	0.58	
18. Andaman & Nicobar Islands	0.077	0.01	...	...	1	0.02	4	1.15	1	0.01	1.00	
19. Chandigarh	0.145	0.03	...	...	...	...	1	0.28	...	...	5.51	
20. Dadra & Nagarhavelly	0.070	0.01	...	...	2	0.05	...	...	...	...	2.80	
21. Delhi	3.894	0.74	3	3.22	5	0.10	2	0.57	15	0.08	2.40	
22. Goa, Daman & Diu	0.760	0.14	1	1.08	19	0.39	...	...	...	...	2.30	
23. Himachal Pradesh	3.456	0.66	1	1.08	72	1.49	6	1.71	251	1.15	0.60	
24. L. M. & A. Islands	0.029	0.01	...	...	7	0.14	...	...	...	...	3.44	
25. Manipur	0.946	9.18	...	...	12	0.25	4	1.15	38	0.18	0.57	
26. Arunachal Pradesh	0.408	0.08	...	...	74	1.53	...	...	...	...	2.80	
27. Pondicherry	0.448	0.09	1	1.08	12	0.25	1	0.28	...	...	0.95	
28. Tripura	1.385	0.26	...	...	28	0.49	...	...	22	0.10	0.33	

+ as on 30-9-1968.

Source: Statistics for Planning series No. 6  
Social services 1972 - Page No. 62

TABLE 6.12

## Doctor-Population Ratios in India, 1950 to 1970

Year	No of active Doctors	Estimated popu- lation in Millions	Doctor popu- lation Ratio
1950	56000	358	1: 6398
1955	65000	389	1: 5985
1960	70000	431	1: 6157
1965	81000	482	1: 5951
1970*	97000	543	1: 5598

\* Provisional



TABLE 6-13

Population Bed Ratio in India by States, 1968 +

State	Number of beds per lakh of population	
	Number	Index (all India = 100)
1	2	3
1 Andhrapradesh	61	107.02
2 Assam	38	66.67
3 Bihar	31	54.39
4 Gujarat	43	75.44
5 Haryana	43	75.44
6 Jammu and Kashmir	102	178.95
7 Kerala	99	173.68
8 Madhvapradesh	38	66.67
9 Maharashtra	79	138.60
10 Mysore	81	142.11
11 Nagaland	175	307.02
12 Orissa	36	63.16
13 Punjab	66	115.79
14 Rajasthan	52	91.23
15 Tamilnadu	69	121.05
16 Uttarpradesh	41	71.93
17 West Bengal	87	152.63
All India	57	100.00

+ as on 31-3-1968.

Source: State Planning Board and Bureau of Economics &amp; Statistics, Statistics for Planning, Series 6. Social services 1972. p.60.

**TABLE 6.14**  
**Rate of Sterilisation and I. U. C. D Per 1000 Population**  
**in India By States (upto 1967-68)**

Sl. No.	Name of state	Coverage by Sterilisation per 1000 Population	Coverage by I.U.C.D per 1000 Population
1	Andhra	6.66	2.79
2	Assam	2.06	6.28
3	Bihar	4.04	1.46
4	Gujarat	9.40	5.83
5	Haryana	3.26	12.23
6	Jammu & Kashmir	5.22	6.54
7	Kerala	11.08	5.73
8	Madhya Pradesh	9.23	2.38
9	Maharashtra	14.31	6.46
10	Mysore	8.41	7.46
11	Tamil Nadu	17.33	0.57
12	Orissa	11.63	2.84
13	Punjab	10.12	26.12
14	Rajasthan	3.65	2.15
15	Uttar Pradesh	4.61	2.98
16	West Bengal	7.15	6.24
	India	8.20	4.65

TABLE 7.1

## Plan Outlays in the Public Sector in India (Percentage distribution)

Head of Development	First Plan		Second Plan		Third Plan		Annual Plans (1966-67 to 68-69)		Fourth Plan	
	Rs. crores	%	Rs. crores	%	Rs. crores	%	Rs. crores	%	Rs. crores	%
	1	2	3	4	5	6	7	8	9	10
Agriculture and allied Sectors	289.9	14.79	549.0	11.75	1089.0	12.70	1167.9	17.76	2217.0	15.40
Irrigation, flood control and power	582.9	29.74	882.0	18.88	1916.0	22.34	1552.4	23.60	3049.0	21.18
Industry and minerals	196.8	4.94	1125.0	24.08	1967.1	22.93	1605.3	24.41	3385.0	23.50
Transport and communications	517.8	26.42	1261.0	26.99	2111.7	24.62	1245.9	18.94	3173.0	22.04
Social Services and other programmes	472.6	24.11	855.0	18.30	1493.4	17.41	1005.6	15.29	2574.0	17.88
Total	1960.0	100.00	4672.0	100.00	8577.2	100.00	6577.1	100.00	14398.0	100.00

Source: Yojana, Sept. 15, 1972 p.729.

TABLE 7.2

State-wise Investment on Central Industrial Projects in India  
(Percentage Distribution)

State	Investment in 1st plan	Investment in 2nd plan	Investment in 3rd plan	Total investment during the three plans	Investment during '66-69	Total investment during '51 to '69	Outlay for IVth plan
1	2	3	4	5	6	7	8
TOTAL	100.00	100.00	100.00	100.00	100.00	100.00	100.00
Andhrapradesh	18.32	0.24	4.59	3.32	4.43	3.70	3.02
Assam	...	...	2.87	1.74	1.83	1.77	3.47
Bihar	18.10	3.05	16.14	11.37	30.21	17.88	50.46
Gujarat	...	...	3.93	2.39	1.41	2.05	1.64
Haryana	...	...	0.61	0.37	0.15	0.30	0.32
Jammu and Kashmir	...	...	...	...	...	...	0.19
Kerala	2.21	0.13	4.30	2.71	4.09	3.19	3.42
Maharashtra	4.42	0.24	3.80	2.51	0.77	1.91	6.36
Madhyapradesh	...	31.95	16.83	22.00	8.48	17.33	9.52
Mysore	15.67	0.48	1.50	1.47	3.74	2.25	1.12
Orissa	14.35	28.71	13.52	19.14	6.32	14.71	0.95
Punjab	...	4.03	0.37	1.71	...	1.12	...
Rajasthan	...	...	1.09	0.65	2.87	1.42	5.89
Tamilnadu	12.80	4.82	12.35	9.59	10.53	9.90	3.55
Uttarpradesh	...	...	6.80	3.83	10.67	6.19	3.00
West Bengal	13.02	26.35	11.80	17.19	14.29	16.19	7.09
Delhi	1.11	...	...	0.03	0.21	0.09	0.01

Source: Statistics for planning Series No. 4.  
Industries and Infrastructure - p.61.

TABLE 7.3  
Per capita Plan outlay and Central Assistance under Five  
Year Plans, State wise

States	Per capita in Rs.		Per capita in Rs.	
	Total for 18 years 1951-69 plan outlay	Central Assis- tance	IV Plan Outlay	Central Assis- tance
1	2	3	4	5
Andhra Pradesh	243	149	90	60
Assam	243	149	161	157
Bihar	181	109	82	63
Gujarat	346	132	188	66
Haryana +	81	52	212	87
Jammu & Kashmir	453	416	382	382
Kerala	264	161	133	90
Madhya Pradesh	223	164	96	71
Maharashtra	300	102	178	54
Mysore	292	162	122	65
Nagaland	715	715	875	875
Orissa	309	214	81	71
Punjab	395	242	216	77
Rajasthan	260	202	101	93
Tamil Nadu	254	131	136	55
Uttar Pradesh	190	111	114	63
West Bengal	243	141	79	54
All states Total	253	147	123	71

+ Figures relate to the period after the formation of the State.  
Source: Dr. S. M. Veeraraghavachar. 'A critique of Vth Finance  
Commission Award, Southern Economist. Vol. IX, No.1  
p.34.

TABLE 7.4

Taxes, Government Expenditure and Gross Capital Formation as Percentage to GNP in India, 1950-51 to 1971-72

Year	Total Taxes (Central State and Local Govts.) as % to GNP.	Total Expenditure of Govt. (Centre & States) as % to GNP	Gross Capital formation out of budgetary resources of Central Govt. as % to GNP.
1	2	3	4
1950-51	6.9	N.A.	1.3
1955-56	7.9	N.A.	3.2+
1960-61	9.7	N.A.	5.8
1961-62	10.4	17.6	6.0
1962-63	11.6	N.A.	6.9
1963-64	12.2	N.A.	7.8
1964-65	11.7	N.A.	7.3
1965-66	12.7	23.4	7.5
1966-67	12.5	22.4	6.5
1967-68	11.3	20.0	5.2
1968-69	11.7	20.7	4.6
1969-70	12.2	20.5	4.5
1970-71	12.6	21.7	4.7
1971-72	12.6	20.5	5.1

Source: (1) Col. 2. Estimates by Commerce Research Bureau. Commerce Budget Number, March 25, 1972, p.757

(2) Col. 3 Estimates by Commerce Research Bureau. Commerce Budget Number, March 25, 1972, p.756.

(3) Col. 4. Estimates by Commerce Research Bureau. Commerce Budget Number March 25, 1972, p. 752.

NA. = Not available.

+ Annual average, First plan.

TABLE 7.5

Annual Average Growth of Per Capita State Income and Per  
Capita State Tax Revenue (state-wise) 1961-62 1967-68

(Percentages)

State	Per capita State tax revenue	Per capita State income
1	2	3
Andhrapradesh	11.4	13.9
Assam	9.3	9.2
Bihar	10.6	10.9
Gujarat	25.4	14.7
Kerala	17.8	10.5
Madhyapradesh	13.9	10.9
Maharashtra	17.0	9.6
Mysore	21.0	14.4
Orissa	19.8	12.3
+ Punjab	20.6	18.9
Rajasthan	16.3	13.6
Tamilnadu	20.4	13.1
Uttarpradesh	12.0	9.7
West Bengal	11.3	9.2
All States' Average	15.6	11.6

+ Composite Punjab including present Punjab and Haryana

TABLE 7.6

## Annual Average Growth of State-tax Revenue and State income (State-wise)

States	Annual average growth		Annual average growth rate
	1961-62 to 1967-68 State taxes	1967-68 to 1971-72 State Income	during 1968-69 to 1971-72 State taxes
1	2	3	4
Andhrapradesh	15.3	17.7	22.8
Assam	14.5	14.1	7.6
Bihar	15.0	15.0	9.6
Gujarat	33.5	20.3	15.2
Kerala	23.9	15.0	9.7
Madhya Pradesh	19.2	15.3	11.4
Maharashtra	23.1	14.0	15.4
Mysore	27.3	19.1	21.5
Orissa	25.7	16.5	11.5
+Punjab	28.7	23.6	16.2
Rajasthan	22.9	19.3	10.6
Tamil Nadu	25.1	16.4	13.5
Uttar Pradesh	16.5	13.6	1.5
West Bengal	16.5	13.5	8.1
All States average	21.0	16.0	12.7

+ Composite Punjab including present Punjab and Haryana.



TABLE 7.7  
Per capita State-Tax Revenue (State-wise), 1960-61,  
1967-68 and 1971-72

State	1960-61	1967-68	1971-72
Andhrapradesh	19.67	19.16 (11.4)	33.71 (19.0)
Assam	10.26	16.92 (9.3)	19.48 (3.8)
Bihar	6.81	11.84 (10.6)	14.90 (6.5)
Gujarat	10.13	28.16 (25.4)	40.64 (11.1)
Kerala	12.08	27.09 (17.8)	34.00 (6.4)
Madhyapradesh	8.52	16.79 (13.9)	22.14 (8.0)
Maharashtra	16.54	36.18 (17.0)	52.85 (11.5)
Mysore	9.18	22.65 (21.0)	38.31 (17.3)
Orissa	4.94	11.79 (19.8)	15.68 (8.2)
+ Punjab	13.83	33.80 (20.6)	52.86 (10.6)
Rajasthan	8.92	19.07 (16.3)	24.29 (6.9)
Tamilnadu	11.45	27.83 (20.4)	39.91 (10.9)
Uttarpradesh	7.86	14.47 (12.0)	13.98 (-0.9)
West Bengal	14.17	25.33 (1.3)	30.05 (4.7)
Total- all states	10.25	21.41 (15.6)	29.10 (9.0)

+ Composite Punjab including present Punjab and Haryana.

Figures in brackets denote annual average percentage growth over previous periods.

TABLE 7.8  
State Revenue As percentage to State Aggregate Incomes,  
(State-wise), 1960-61 and 1967-68

State	% of State-Tax Revenue to States' aggregate income-		% of States' total revenue to States' aggregate income	
	1960-61	1967-68	1960-61	1967-68
1	2	3	4	5
Andhra Pradesh	3.6	3.3	7.7	6.7
Assam	3.1	3.1	8.4	10.7
Bihar	3.0	3.0	7.6	6.9
Gujarat	2.5	3.4	6.2	6.9
Haryana	—	3.2	—	6.4
Kerala	3.6	4.7	8.0	10.7
Madhya Pradesh	2.8	3.2	7.2	8.2
Maharashtra	3.4	4.5	6.1	7.8
Mysore	2.9	3.6	8.1	8.3
Orissa	3.8	2.4	7.2	9.2
Punjab	2.8	3.3	7.3	5.9
Rajasthan	3.2	3.6	8.3	8.7
Tamilnadu	3.3	4.2	7.7	8.3
Uttar Pradesh	2.6	2.9	6.3	7.1
West Bengal	3.0	3.3	5.9	6.0
Total-All States	2.9	3.5	7.0	7.5

TABLE 7.9

Land Revenue as a Percent of Farm Business Income  
(State-wise,) 1962-63.

State	Land Revenue per hectare (a) 1962-63, Rs.	Farm Business Income per hec- tare (b) Rs.	Land revenue as percent of farm business income
1	2	3	4
1 Andhrapradesh	12.88	324(1957-60)	4.0c
2 Bihar	13.90	254(1960-63)	5.5
3 Kerala	4.58	178(1962-65)	2.6
4 Madhypradesh	5.23	228(1962-65)	2.3
5 Maharashtra	3.84	106(1955-57)	3.7c
6 Orissa	4.02	150(1957-60)	2.7c
7 Punjab	4.65	287(1961-64)	1.6
8 Rajasthan	6.34	69(1962.65)	9.2
9 Tamilnadu	6.05	148(1954-57)	4.1c
10 Uterpradesh	11.44	260(1954-57)	4.4c
11 West Bengal	12.27	287(1954-57)	4.3c

a This has been derived by dividing the land revenue receipts by the total cropped area in each State in 1962-63.

b Farm business income has been defined as the value of output per hectare minus the cash/kind expenses. The years given in brackets indicate the period to which the farm management data relate.

c This percentage would actually be lower if it is assumed that farm business income has risen between the period of farm management investigation and 1962-63.

Sources: 1. Annual Statistical Abstract of India. C.S.O.

2. Farm Management in India. A study based on Recent Investigations (New Delhi, Directorate of Economics and Statistics, Department of Agriculture, April, 1966) p. 34.

as quoted in "some aspects of India's Tax Structure, Ved Goudhi, 1970. (Vora & co. publishers & Private Ltd., Bombay) p. 141.

TABLE 7.10

Per Copita Burden of Sales Tax (State-wise), 1962-63 and  
1969-70

(in Rs)

States	Per capita sales tax burden (1962-63)	Total tax burden 1962-63	Per capita sales tax burden (1969-70)	Total tax burden 1969-70
1	2	3	4	5
1 Andhra Pradesh	4.16	13.90	9.46	26.70
2 Assam	3.30	12.41	8.44	19.30
3 Bihar	2.60	8.90	7.06	14.81
4 Gujarat	7.20	16.12	19.48	33.38
5 Haryana	—	—	14.50	38.56
6 Kerala	6.87	14.28	15.53	31.93
7 Madhya Pradesh	2.86	9.74	9.06	19.67
8 Maharashtra	9.91	19.08	26.20	45.49
9 Mysore	4.61	13.23	13.50	30.15
10 Orissa	3.05	7.38	6.79	12.66
11 Punjab	4.71	16.09	17.09	49.18
12 Rajasthan	3.08	12.08	10.41	21.51
13 Tamilnadu	7.20	15.16	17.73	36.54
14 Uttar Pradesh	2.15	9.26	5.49	14.47
15 West Bengal	6.82	16.81	14.62	28.40
16 Jammu & Kashmir	1.13	6.06	5.00	17.61
Total	4.65	12.70	12.22	25.87

Source: Worked out by Bhawar Puri Goswami from State Budgets for the years 1962-63 and 1969-70 and published in Southern Economist vol.x Nos.18 and 19 p.38.

TABLE 7.11

Per Capita Expenditure on Non-Development Services (State-wise),  
1966-67 to 1971-72

States	1966-67	1967-68	1968-69	1969-70	1970-71	1972-72
	Accounts	Accounts	Accounts	Accounts	Revised Estimate	Budget Estimate
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Andhra Pradesh	18.99	17.11	23.26	29.03	29.12	28.12
Assam	24.67	25.44	27.26	29.26	31.46	33.81
Bihar	11.74	15.64	13.08	18.49	21.38	20.61
Gujarat	24.40	26.04	27.64	37.81	37.02	33.01
Haryana	7.59	25.32	29.05	32.02	35.17	34.84
Jammu & Kashmir	41.04	32.80	47.64	83.67	57.08	61.15
Kerala	15.27	20.12	20.76	21.62	24.33	26.54
Index-Kerala	100	132	136	142	159	174
Madhyapradesh	19.92	21.02	17.06	17.41	18.64	19.67
Maharashtra	31.57	32.79	36.68	38.54	42.23	48.25
Mysore	21.83	19.91	25.96	27.25	31.58	31.58
Orissa	23.58	24.13	28.39	25.20	26.50	28.65
Punjab	35.11	28.17	31.61	32.93	35.76	38.54
Rajasthan	22.99	23.81	29.52	47.63	43.73	29.94
Tamilnadu	20.22	21.62	24.49	30.05	29.54	31.71
Uttarpradesh	14.31	15.43	16.63	18.00	18.97	19.13
West Bengal	21.02	20.51	26.51	26.70	36.36	44.24
All States-average*	19.67	23.12	26.58	32.48	32.61	33.65
All States average Index	100	117	135	164	166	171

\*Excluding Nagaland.

Source: Kerala Budget in Brief 1972-73

TABLE 7.12

Per Capita Development Expenditure (Revenue Account), State-wise,  
1966-67 to 1971-72

States	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72
	Accounts	Accounts	Accounts	Accounts	Revised Estimates	Budget Estimate
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Andhrapradesh ...	25.70	22.42	25.20	27.72	32.86	31.55
Assam ...	38.81	37.92	43.50	51.58	47.43	45.76
Bihar ...	15.60	14.52	14.96	18.47	20.64	22.85
Gujarat ...	29.21	29.97	37.82	32.72	41.83	43.58
Haryana ...	11.81	24.75	29.53	34.86	44.31	49.60
Jammu and Kashmir ...	53.65	51.71	60.10	52.17	60.32	67.65
Kerala ...	34.66	40.81	43.97	47.55	50.64	56.48
Index-Kerala	100	116	127	137	146	162
Madhyapradesh ...	20.60	23.97	24.89	27.35	30.48	35.98
Maharashtra ...	29.68	30.53	35.94	36.11	42.46	44.33
Mysore ...	28.22	27.50	32.41	34.62	40.42	48.81
Orissa ...	27.25	23.99	26.19	27.32	32.08	37.09
Punjab ...	42.53	32.21	37.58	43.35	51.86	57.42
Rajasthan ...	25.96	28.86	30.20	32.53	37.39	42.37
Tamilnadu ...	31.20	33.35	35.04	37.61	40.32	46.67
Uttarpradesh ...	16.32	17.33	17.16	19.31	20.50	23.71
West Bengal ...	24.98	26.85	29.04	32.56	37.43	39.87
All States-Average *	24.32	29.63	32.41	34.80	39.44	43.54
All States average-Index	100	122	133	143	162	179

\* Excluding Nagaland.

Source: Kerala Budget in Brief 1972-73.

TABLE 7.13

States	1966-67 to 1971-72					
	1966-67	1967-68	1968-69	1969-70	1970-71	1971-72
	Accounts	Accounts	Accounts	Accounts	Revised Estimate	Budget Estimate
	Rs.	Rs.	Rs.	Rs.	Rs.	Rs.
Andhra Pradesh	13.31	8.68	9.74	9.56	9.94	12.52
Assam	8.77	7.43	7.55	11.06	14.42	12.36
Bihar	8.72	7.52	7.93	8.38	9.68	9.35
Gujarat	9.73	11.88	15.52	12.71	16.32	16.85
Haryana	(-) 0.67	7.74	8.85	7.38	24.30	33.69
Jammu and Kashmir	35.48	38.09	39.07	40.30	55.73	57.08
Kerala	5.00	7.48	8.27	8.09	10.05	17.02
Index Kerala	100	150	165	162	201	340
Madhya Pradesh	6.76	6.98	6.84	6.64	8.32	12.11
Maharashtra	10.23	11.41	12.68	13.45	15.34	17.67
Mysore	13.76	15.61	18.78	21.18	17.41	13.45
Orissa	14.36	15.08	10.66	9.87	12.64	12.73
Punjab	8.08	12.00	14.69	6.13	14.24	19.18
Rajasthan	12.82	5.22	9.92	11.64	12.12	11.34
Tamil Nadu	4.46	6.42	7.45	5.81	8.16	9.78
Uttar Pradesh	5.16	5.41	9.14	5.56	6.71	9.34
West Bengal	6.29	5.57	4.97	5.15	5.13	6.08
All States-average *	8.48	10.77	12.00	11.43	15.03	16.91
All states average index	100	127	141	135	177	199

\* Excluding Nagaland.

Source: Kerala Budget in Brief 1972-73

TABLE 8.1

Important Ratios Relating To Banks In India, 1966 To 1971+

Details	1966	1967	1968	1969	1970	1971 **
1	2	3	4	5	6	7
1. Deposits as percentage of national income	15.3	14.8	14.1	16.3	17.0	18.0 *
2. Credit-deposit ratio (%)						
Scheduled banks	72.7	74.8	78.2	77.5	79.9	77.2
Non-Scheduled banks	60.0	61.6	48.9	58.6	25.4	21.1
3. Investment-deposit ratio (%)						
Scheduled banks	29.4	26.2	24.6	24.2	22.5	22.1
Non-scheduled banks	22.4	22.0	25.2	23.9	24.6	27.2
4. Cash-deposit ratio (%)						
Scheduled banks	6.3	7.4	6.8	8.2	6.8	6.4
Non-scheduled banks	6.8	7.8	8.0	8.9	6.5	7.5

Note: Figures for non-scheduled banks in the last column relate to August 1970. The figures for non-scheduled banks for 1970 and 1971 are provisional

+ as on last Friday of June

\*\* Provisional

\* Based on national income at current prices (estimated)

Source: Reserve Bank of India



TABLE 8.2

Credit Deposit Ratios Relating to Scheduled Commercial Banks in India <sup>1</sup>,  
1960-61 to 1970-71  
(Rs. Crores)

Last Friday	Aggregate deposits**	Bank credit			Credit deposit ratio (col. 5 as % to col. 2)
		Advances++	Bills purchased and discounted.	Total	
1	2	3	4	5	6
1960-61	1746.06	1110.96	208.58	1319.54	75.57
1961-62	1921.87	1178.38	229.22	1407.61	73.24
1962-63	2042.26	1309.28	278.73	1588.01	77.76
1963-64	2285.10	1520.15	296.31	1816.46	79.45
1964-65	2583.30	1698.12	335.58	2033.70	78.73
1965-66	2949.84	1945.78	342.36	2288.14	77.57
1966-67	3425.51	2216.16	477.39	2693.55	78.68
1967-68	3855.98	2490.83	542.16	3032.99	78.56
1968-69	4338.18	2794.20	602.12	3396.32	73.39
1969-70	5028.19	3295.33	675.50	3971.03	78.98
1970-71	5895.76	3697.31	963.14	4660.46	79.05

\*\* Excluding inter-bank borrowings

++ Excluding due from banks

\* Refers to all scheduled banks in India, but it excludes data relating to scheduled date relating to scheduled State Co-operative Banks.

TABLE 8.3

## Banking Costs of Commercial Banks in India

Item	Large banks	Medium	Small
		banks	banks
1	2	3	4
<b>I Total cost of deposits as % P.A. of average balance *:-</b>			
1 Current deposits	3.39	5.39	5.07
2 Savings deposits	4.86	5.51	5.72
3 Fixed deposits	5.85	5.65	5.74
Total ...	5.06	6.33	5.81
<b>II Net income from advances as % p.a. of Average balance **:;</b>			
1 Small scale industries ...	4.23	6.53	6.89
2 Medium and Large Industries ...	7.84	9.37	8.98
3 Direct loans to framers	5.47	7.12	9.22
4 Personal and Professional loans	7.54	5.93	9.06
5 Other advances	6.65	7.14	7.50
Total	7.27	7.99	7.92
<b>III Remittances and bills-servicing cost per item (in Rs.)</b>			
1 Drafts ...	5.85	4.70	3.80
2 T.T.S.	14.05	13.54	14.13
3 Cheques ....	5.58	4.30	4.64
4 Demand bills	9.23	7.84	7.62
5 Usance bills	10.83	12.93	8.17

\* Interest cost plus servicing costs

\*\* Interest cost minus servicing costs

Source ; Report of the Banking Commission, Government of India, 1972  
 on reproduced in Commerce, April 15, 1972.

TABLE 8.4

Officer-Clerk Ratios Of Commercial Banks  
In India, 1970, 1975, 1980 And 1985

Year	Employment (Nos)	Officer-Clerk ratio
1	2	3
1970+	230000	1 : 3.5 *
1975@	338000	...
1980@	497000	...
1985@	730000	1 : 1.5 **

+ Estimates

\* Clerk-oriented

@ Projections

\*\* Officer-oriented

Source: Working group on Training Facilities for Senior and Middle Level personnel for Commercial Banks Reserve Bank of India, 1968 as quoted in Commerce, April 15, 1972.

TABLE 8.5

Distribution of Banks, Deposits and Credit of Scheduled Commercial Banks in India by States, 1969.

State	Banks		Population per offices ('000s)	Deposits			Credit+		
	No. of banks operating	No. of bank offices		Amount (Rs lakhs)	Percentage to total deposits	Percapita deposits (Rs.)	Percentage to total bank credit.	Percapita bank credit.	
1	2	3	4	5	6	7	8	9	10
Andhra	22	618	69	17305	3.4	40.8	16302	4.4	38.4
Assam	11	84	181	4778	0.9	31.4	2025	0.5	13.3
Bihar	16	308	183	18608	3.6	33.0	5056	1.3	9.0
Gujarat	20	833	31	45906	8.9	77.3	23231	6.3	89.7
Haryana	17	190	52	6410	1.2	65.4	3027	0.8	30.9
Himachal Pradesh	7	48	73	1751	0.3	49.6	390	0.1	11.1
Jammu & Kashmir	8	26	154	2670	0.5	66.9	245	0.1	6.1
Kerala	23	592	41	15272	3.0	73.4	10314	2.8	50.5
Madhya Pradesh	17	361	110	12638	2.5	31.7	7052	1.9	17.7
Mharashtra	49	1197	41	122977	23.9	251.5	113246	30.4	231.6
Mysore	27	850	34	25522	5.0	89.0	18555	5.0	64.7
Nagaland	2	4	107	124	...	29.1	10	...	2.3
Orissa	13	111	191	3596	0.7	17.0	1779	0.5	8.4
Punjab	22	409	35	23036	4.5	160.3	7641	2.1	53.2
Rajasthan	15	393	65	9355	1.8	36.6	4664	1.3	18.2
Tamil Nadu	39	1104	35	31321	6.1	80.6	41820	11.3	107.6
Uttar Pradesh	25	807	110	42560	8.3	47.9	18957	5.1	21.3
West Bengal	34	533	82	71225	13.8	162.7	71554	19.3	163.7
Union Territories	73	438	...	59743	11.6	...	25502	6.8	...
India	440	8826	61	514837	100.0	95.8	371670	100.0	69.2

Source: Reserve Bank of India.

Note: 1 Figures of banks, offices, deposit and bank credit are as on 31st December.

2 Population figures taken into consideration are mid year estimates worked out by the office of the R. G. India

+ Loans and advances and bills.

TABLE 8.6.

Distribution of Deposits and Advances of Scheduled Commercial Banks in India by States, 1971

State/Union territory	Deposits (Rs. lakhs)				Advances (Rs. lakhs)			
	Total Public sector banks		All scheduled commercial banks		Total Public Sector Banks		All scheduled commercial Banks	
	Rs.	Percentage	Rs.	Percentage	Rs.	Percentage	Rs.	Percentage
1	2	3	4	5	6	7	8	9
Andhra Pradesh	11825	2.84	16407	3.21	16208	4.59	18999	4.53
Assam & Meghalaya	3170	0.76	3333	0.65	1294	0.37	1472	0.35
Bihar	17436	4.18	17693	3.46	5285	1.50	5317	1.27
Gujarat	37672	9.04	37722	7.37	28433	8.05	28596	6.81
Ahmadabad	10109	2.43	10155	1.98	13216	3.74	13358	3.18
Others	27563	6.61	27567	5.39	15237	4.31	15238	3.63
Haryana	5775	1.39	6477	1.27	2284	0.65	2939	0.70
Himachalpradesh	1862	0.45	2083	0.41	296	0.08	345	0.08
Jammu & Kashmir	2465	0.59	2879	0.56	445	0.13	555	0.13
Kerala	11824	2.84	15657	3.06	9887	2.80	12636	3.00
Madhyapradesh	8907	2.14	9358	1.83	5710	1.62	6023	1.43
Maharashtra	119988	28.79	146563	28.63	108726	30.77	128506	30.61
Bombay	96343	23.11	120884	23.60	93778	26.54	111491	26.56
Others	23645	5.67	25679	5.02	14948	4.23	17015	4.05
Mysore	21195	5.08	28103	5.49	17645	4.99	21776	5.19
Nagaland	78	0.02	78	0.02	23	0.01	23	0.01
Orissa	2916	0.70	3144	0.61	1712	0.48	2004	0.48
Punjab	19046	4.57	21558	4.21	7274	2.06	8320	1.98
Rajasthan	7685	1.84	9264	1.81	4503	1.27	5458	1.30
Tamilnadu	22538	5.41	29046	5.67	34581	9.79	42112	10.30
Madras	10012	2.40	12706	2.48	19642	5.56	23057	5.49
Others	12526	3.01	16340	3.19	14919	4.22	19055	4.54

Contd.

TABLE 8.6—Contd.

1	2	3	4	5	6	7	8	9
Uttarpradesh	28794	6.91	31679	6.19	18432	5.22	20150	4.80
West Bengal	46163	11.07	71964	14.06	58019	16.42	77141	18.58
Calcutta	34824	8.35	60194	11.76	54109	15.30	73161	17.43
Others	11339	2.72	11770	2.30	3910	1.10	3980	0.95
Union Territories	47489	11.39	58891	11.50	32623	9.23	37410	8.91
Delhi	38946	9.34	49048	9.58	27233	7.71	31636	7.54
Chandigarh	3053	0.73	4289	0.84	2346	0.66	2674	0.64
Goa, Daman & Diu	4157	1.00	4221	0.82	2261	0.64	2317	0.55
Others	1333	0.32	1333	0.26	783	0.22	783	0.19
Grand Total	416829	100.00	511899	100.00	353401	100.00	419783	100.00

+ as on March 1971.

**Note:** Data relate to 8680 reporting offices for deposits and 8820 reporting offices for advances out of a total of 11540 functioning offices. In terms of out standings, these offices account for 87 percent of deposits and 93 percent of advances of all offices of scheduled commercial banks.

Source: Reserve Bank of India.

TABLE 8.7  
Distribution of Deposits and Advances of new Offices Opened By Banks\* in India By States, 1971+

State	Rural						Urban@						Total	
	Deposits		Advance		Deposit		Advance		Deposit		Advance		Advance	
	Rs. lakhs	%	Rs. lakhs	%	Rs. lakhs	%	Rs. lakhs	%	Rs. lakhs	%	Rs. lakhs	%	Rs. lakhs	%
1	2	3	4	5	6	7	8	9	10	11	12	13		
Andhra Pradesh	423.3	8.38	247.7	6.77	478.7	4.38	415.8	7.15	902.0	5.65	663.5	6.98		
Assam	102.7	2.05	24.0	0.66	118.9	1.09	46.6	0.80	221.6	1.39	70.6	0.74		
Bihar	192.1	3.81	40.8	1.12	451.7	4.14	86.9	1.48	643.8	4.03	127.7	1.34		
Gujarat	608.4	12.04	266.7	7.29	930.5	8.52	383.2	6.55	1538.9	9.63	649.9	6.83		
Haryana	92.6	1.83	42.6	1.16	315.8	2.89	116.8	2.00	408.4	2.56	152.4	1.68		
Jammu & Kashmir	51.1	1.00	1.1	0.03	156.7	1.43	14.3	0.24	207.8	1.30	15.4	0.16		
Kerala	391.5	7.75	977.3	26.70	319.0	2.92	344.7	5.89	710.5	4.45	1322.0	13.90		
Madhyapradesh	166.7	3.30	78.8	2.15	202.1	1.85	117.1	2.00	368.8	2.31	195.9	2.06		
Maharashtra	373.3	7.39	675.8	18.47	2443.2	22.38	1328.9	22.70	2816.5	17.63	2004.7	21.08		
Mysore	704.1	13.93	271.8	7.43	674.2	6.17	310.7	5.31	1378.3	8.63	582.5	6.12		
Nagaland	...	...	...	...	22.6	0.21	21.6	0.37	22.6	0.14	21.6	0.23		
Orissa	35.9	0.71	8.2	0.22	40.8	2.21	267.8	4.58	276.7	1.73	276.0	2.90		
Punjab	509.6	10.08	111.8	3.06	522.4	4.78	299.2	5.11	1032.0	6.46	411.0	4.32		
Rajasthan	92.5	1.83	41.8	1.14	335.9	3.08	181.2	3.10	428.4	2.68	223.0	2.34		
Tamilnadu	252.4	4.99	260.8	7.13	468.9	4.29	422.3	7.21	721.3	4.52	683.1	7.18		
Uttarpradesh	416.2	8.23	395.7	10.82	956.5	8.76	438.8	7.50	1372.7	8.59	834.5	8.77		
West Bengal	337.2	6.67	83.0	2.27	575.4	5.27	535.5	9.15	912.6	5.71	618.5	6.50		
Himachal Pradesh	60.5	1.20	4.7	0.13	40.8	0.37	0.6	0.01	101.3	0.63	5.3	0.06		
Union Territories	244.0	4.83	126.1	3.45	1666.5	15.26	521.2	8.90	1910.5	11.96	647.3	6.81		
Grand Total	5054.2	100.00	3658.7	100.00	10920.5	100.00	5853.2	100.00	15974.7	100.00	9511.9	100.00		

\* (i) Data for deposits and advances relate to different dates and reporting offices, + as on March 1971.

(ii) Offices opened by schedules commercial banks between July 1969 and March 1971.

Note: @ Includes semi-urban, urban and metropolitan.

Source: Reserve Bank of India.

TABLE 8.8  
Trends in Advances of Scheduled Commercial Banks for  
Agricultural Purposes in India  
(Rs. Crores) (Index June 69=100)

Details	Number of accounts		Amount	
	Nos.	Index	Rs. Crores	Index
1	2	3	4	5
<b>Total for agricultural purpose</b>				
June 1969	267026	100.00	188.41	100.00
March 1970	709688	265.77	286.08	151.84
<b>Of which: Direct finance to farmers</b>				
June 1969	257398	100.00	53.61	100.00
March 1970	692003	268.85	150.43	280.60
<b>Direct finance to farmers as percentage to total advances for agricultural purposes.</b>				
June 1969	96.39	—	28.45	—
March 1970	97.51	—	52.58	—

Source: R.B.I.



TABLE 8.9

Distribution of Advances of Scheduled Commercial Banks to Small Scale Industries in India By States, 1968 and 1971+  
(Rs. lakhs)

State	June 1968						March 1971					
	No. of Units		Limit in force.		Balance outstanding		No. of units.		Limit in force.		Balance outstanding.	
	Nos.	% of total	Rs. lakhs	% of total	Rs. lakhs	% of total	Nos.	% of total	Rs. lakhs	% of total	Rs. lakhs	% of total
1	2	3	4	5	6	7	8	9	10	11	12	13
Andhra Pradesh	4459	11.4	2498.8	6.6	1332.6	7.0	11094	10.7	6406.3	7.4	3750.0	7.6
Assam	141	0.4	205.8	0.6	108.3	0.6	801	0.8	646.1	0.8	398.5	0.8
Bihar	355	0.9	453.7	1.2	161.0	0.8	1492	1.4	1542.2	1.8	856.7	1.7
Gujarat	3211	8.2	3767.0	10.0	1407.0	7.2	9882	9.5	9227.5	10.7	4736.1	9.6
Haryana	834	2.1	1023.3	2.7	383.9	2.0	2073	2.0	2155.4	2.5	1112.7	2.3
Himachal Pradesh	...	...	...	...	...	...	87	0.1	40.2	0.1	22.0	Neg.
Jammu & Kashmir	62	0.2	57.5	0.2	29.0	0.2	443	0.4	273.6	0.3	139.1	0.3
Kerala	1965	5.0	3021.9	8.0	1880.7	9.8	6075	5.9	5427.2	6.3	2659.0	5.4
Madhya Pradesh	907	2.3	993.7	2.6	473.3	2.5	3204	3.1	2667.9	3.1	1416.1	2.9
Maharashtra	7862	20.2	8297.2	22.0	4496.5	23.5	18247	17.7	17884.2	20.8	11454.8	23.2
Meghalaya	3225	8.3	2146.5	5.7	1234.1	6.4	8535	Neg.	5032.5	Neg.	0.4	Neg.
Mysore	...	...	...	...	...	...	1	8.2	...	5.8	3069.3	6.2
Nagaland	...	...	...	...	...	...	24	Neg.	15.8	0.0	11.7	Neg.
Orissa	143	0.4	136.4	0.4	85.3	0.5	697	0.7	414.5	0.5	263.9	0.5
Punjab	2662	6.8	2835.7	7.5	1070.4	5.6	5358	5.2	5389.1	6.3	2452.5	5.0
Rajasthan	1131	2.9	771.0	2.1	303.6	1.6	6564	6.3	1864.9	2.2	897.6	1.8
Tamil Nadu	5251	13.5	4660.5	12.4	2621.9	13.6	10989	10.6	9715.2	11.3	5869.5	11.9
Uttar Pradesh	3612	9.3	2539.0	6.6	1155.1	6.0	8531	8.3	6039.9	7.0	3190.7	6.5
West Bengal	1636	4.2	2507.8	6.7	1551.8	8.1	5355	5.2	7009.4	8.1	4466.6	9.1
Union Territories	1533	3.9	1723.6	4.6	872.6	4.6	4083	3.9	4333.9	5.0	2579.5	5.2
India	38989	100.0	37639.4	100.0	19157.1	100.0	103535	100.0	86086.3	100.00	49346.7	100.0

Source:- Reserve Bank of India. + as on last Friday

TABLE 8.10

Distribution of Advances of Scheduled Commercial Banks to Road and Water transport operators in India  
(Rs. lakhs)  
By States, 1968 and 1971+

State	March 1971												
	June 1968						March 1971						Balance outstanding
	No. of units		Limit in force		Balance out standing		No. of Units		Limit in force		Balance outstanding		
Nos. % of total	Rs. lakhs	% of total	Rs. lakhs	% of total	Rs. lakhs	No. total	% of total	Rs. lakhs	% of total	Rs. lakhs	% of total	Rs. lakhs	
1	2	3	4	5	6	7	8	9	10	11	12	13	
Andhra Pradesh	47	3.0	19.0	2.9	14.7	3.2	1018	4.4	280.5	4.4	218.4	4.6	
Assam	...	...	...	...	...	...	755	3.3	243.0	3.8	148.0	3.1	
Bihar	4	0.3	3.0	0.5	2.0	0.4	969	4.2	308.0	4.8	201.3	4.2	
Gujarat	8	0.5	10.8	1.6	6.2	1.3	2,78	9.9	640.4	10.0	466.4	9.8	
Haryana	1	0.1	5.0	0.8	3.0	0.7	338	1.5	108.1	1.7	73.8	1.6	
Himachal Pradesh	...	...	...	...	...	...	21	0.1	7.7	0.1	5.8	0.1	
Jammu & Kashmir	...	...	...	...	...	...	356	1.6	60.6	1.0	48.9	1.0	
Kerala	82	5.2	37.3	5.7	29.5	6.4	972	4.2	245.7	3.8	165.8	3.5	
Madhya Pradesh	...	...	...	...	...	...	1143	5.0	304.4	4.8	217.6	4.6	
Maharashtra	460	29.2	145.8	22.2	104.0	22.5	4382	19.1	993.3	15.5	787.2	16.5	
Meghalaya	...	...	...	...	...	...	24	0.1	8.5	0.1	7.7	0.2	
Mysore	668	42.4	219.2	33.3	151.0	32.6	3159	13.8	757.0	11.8	590.8	12.4	
Nagaland	...	...	...	...	...	...	41	0.2	14.6	0.2	10.5	0.2	
Orissa	2	0.1	1.6	0.2	0.8	0.2	319	1.4	88.6	1.4	58.2	1.2	
Punjab	...	...	...	...	...	...	455	2.0	121.3	1.9	83.7	1.8	
Rajasthan	...	...	...	...	...	...	551	2.4	189.7	3.0	156.8	3.3	
Tamilnadu	227	14.5	174.8	26.6	122.4	26.4	1304	5.2	448.4	7.0	336.9	7.1	
Uttar Pradesh	10	0.7	12.6	1.9	5.9	1.3	1854	8.0	560.8	8.8	432.4	9.1	
West Bengal	5	0.3	4.2	0.6	2.5	0.5	1334	5.8	463.8	7.2	330.4	7.0	
Union Territories	60	3.8	24.2	3.7	20.8	4.5	1783	7.8	561.2	8.8	412.3	8.7	
India	1574	100.0	657.5	100.0	462.8	100.0	22956	100.0	6405.6	100.0	4752.9	100.0	

+ as on last Friday  
Source: Reserve Bank of India

TABLE . 8 . 11  
Trends in Liabilities and Assets of State Financial Corporations 1 in India  
1956 to 1970  
(Index 1956=100)

Details	1956		1961		1966		1970	
	Rs. Crores	Index	Rs. Crores	Index	Rs. Crores	Index	Rs. Crores	Index
1	2	3	4	5	6	7	8	9
1 Number of Corporations	12	100.00	15	125.00	15	125.00	18	150.00
2 Total Capital	10.28	100.00	15.23	148.15	16.35	159.05	20.22	196.68
3 Total liabilities or assets	10.70	100.00	29.80	278.50	90.12	842.24	140.99	1317.66
4 Loans outstanding	2.72	100.00	17.12	629.42	58.95	2167.30	104.04	3825.03
5 Loans sanctioned effective 2	4.96	100.00	30.73	619.55	105.80	2133.03	186.57	3761.44
6 Loans disbursed	2.78	100.00	21.93	788.84	81.87	2944.95	154.84	5369.75

Source: Reserve Bank of India

1. Annual figures relate to the last Friday of the year ending March.
2. As on 31st March.

TABLE 8.12

Distribution of Loans by State Financial Corporations in India, Corporation wise, 1961 and 1971

Corporation	Loans disbursed		Loans outstanding as at the end of March					
	1960-61		1970-71		1961		1971	
	Rs lakhs	Percentage to total	Rs lakhs	Percentage to total	Rs lakhs	Percentage to total	Rs lakhs	Percentage to total
1	2	3	4	5	6	7	8	9
Tamilnadu	71	14.55	204	6.21	389	22.72	1967	13.24
Punjab	57	11.68	102	3.11	171	9.99	420	3.27
Maharashtra	83	17.01	821	24.99	199	11.62	2242	17.46
Gujarat	19	3.89	551	16.77	19	1.11	1213	9.45
Kerala	23	4.71	132	4.02	138	8.06	101	4.68
West Bengal	21	4.30	64	1.95	156	9.11	710	5.53
Assam	56	11.48	21	0.64	154	9.00	446	3.47
Uttarpradesh	35	7.17	218	6.64	103	6.02	653	5.09
Bihar	36	7.38	75	2.28	149	8.70	349	2.72
Rajasthan	10	2.05	119	3.62	54	3.15	513	4.00
Madhyapradesh	7	1.43	77	2.34	44	2.57	651	5.07
Andhrapradesh	27	5.53	229	6.97	82	4.79	948	7.33
Orissa	20	4.11	30	0.91	18	1.05	303	2.36
Mysore	21	4.30	199	6.06	34	1.99	821	6.40
Jammu & Kashmir	2	0.41	128	3.90	2	0.12	217	1.69
Delhi *	....	....	151	4.60	....	....	329	2.56
Haryana *	....	....	110	3.35	....	....	647	5.04
Himachalpradesh *	..	....	54	1.64	....	....	78	0.61
Total	488	100.00	3285	100.00	1712	100.00	12838	100.00

\* Include from 1968 outstandings in respect of earlier loan disbursed by the erstwhile punjab financial Corporation and allocated to these Corporations

Source: State Financial Corporations

TABLE 8.13  
Distribution of Institutional Finance in India by States

(Rs Crores)

States	Bank Deposit		Bank credit			Loans sanctioned by					
	Sept. 1968		S-pt	1968	I F C	1964-68		I. D B I. 1964-68		L.I.C. 1966-67	
	Rs.	%	Rs.	%	Rs.	%	Rs.	%	Rs.	%	
1	2	3	4	5	6	7	8	9	10	11	
Andhra	142.5	3.49	105.6	3.43	20.52	8.67	14.53	8.87	3.5	1.82	
Assam	34.7	0.85	11.3	0.37	5.46	2.31	0.12	0.07	8.0	4.15	
Bihar	149.5	3.66	49.9	1.62	15.54	6.57	1.43	0.87	18.8	9.75	
Gujarat	345.5	8.46	168.7	5.47	15.38	6.50	29.85	18.22	11.3	5.86	
Jammu & Kashmir	17.8	0.44	1.8	0.06							
Haryana	...	...	...	...	4.67	1.97	1.65	...	...	...	
Kerala	116.1	2.84	84.7	2.75	10.22	4.32	2.04	1.25	3.6	1.87	
Madhyapradesh	98.4	2.41	60.3	1.96	5.82	2.46	3.67	2.24	5.0	2.59	
Maharashtra	987.1	24.16	937.5	30.40	44.10	18.64	57.38	35.03	57.6	29.88	
Mysore	200.5	4.91	137.2	4.45	13.54	5.72	5.11	3.12	4.0	2.07	
Orissa	24.7	0.60	12.8	0.42	5.53	2.34	1.33	0.81	2.8	1.45	
Punjab	229.8	5.62	66.6	2.16	5.04	2.13	1.29	0.79	0.4	0.21	
Rajasthan	70.8	1.73	34.7	1.13	13.12	5.54	1.89	1.15	0.9	0.47	
Tamilnadu	291.5	7.13	298.8	9.69	35.30	14.92	21.88	13.36	11.8	6.12	
Uttar Pradesh	332.4	8.13	127.0	4.12	16.00	6.76	3.68	2.25	6.6	3.42	
West Bengal	564.3	13.80	674.2	21.87	23.18	9.80	15.21	9.29	53.3	27.65	
Other U.T.	480.8	11.77	311.7	10.10	3.19	1.35	2.74	1.67	4.5	2.33	
Total	4046.3	100.00	3103.1	100.00	236.51	100.00	163.78	100.00	192.8	100.00	

Source:— Compiled from the report of Vth Finance Commission, 1969 and Trends and progress of Banking in India by R. B. I. and quoted by prof. B. Kumar, Southern Economist, Vol XI, No. 17, P. 38

TABLE 8.14

Trends in the Investment of Life Insurance Funds in India, 1951 to 1968-69

Class of investment	1951*		1961		1966-67		1968-69		Percent	
	Rs.	%	Rs.	%	Rs.	%	Rs.	%	change	
	Crores		Crores		Crores		Crores		1951-68	10
1	2	3	4	5	6	7	8	9		
1 Govt. of India securities	121.6	61.35	236.8	40.73	334.6	31.03	383.5	28.43	215.4	
2 Indian State Govt. securities	1.6	0.81	117.0	20.12	179.5	16.65	212.5	15.75	1228.1	
3 Foreign			14.1	2.42	23.1	2.14	22.6	1.68	} 458.5	
(a) Govt. Municipal etc. securities					0.4	0.04	0.3	0.02		
(b) Debentures & shares of Joint stock companies	4.1	2.07	0.5	0.09						
4 Govt. Guaranteed and other approved security	13.7	6.90	46.4	7.98	100.4	9.30	140.0	10.38	921.9	
5 Shares and debentures of Indian companies	34.7	17.51	102.6	17.65	192.8	17.88	210.4	15.60	506.3	
6 Loans as mortgages	10.0	5.05	8.5	1.46	69.0	6.40	153.4	11.37	1434.0	
7 Loans as land & house property	12.5	6.31	27.9	4.80	34.7	3.22	37.9	2.81	203.2	
8 Others	...	...	27.6	4.75	143.9	13.34	188.3	13.96	582.2	
Total	198.2	100.0	581.4	100.0	1078.4	100.0	1348.9	100.0	580.6	

Source: 1 Controller of Insurance, Ministry of Finance.

2 L. I. C. of India.

3 Statistical Pocket Book of India, 1970, C.S.O.

\* Data based on the Indian Insurance Year Book, 1952.

+ 1961-68-69 percent change.

TABLE 8.15

Trends in Loan Transactions of Primary Credit Societies \*in India,  
1950-51 to 1966-67

(Index Base : 1950-51=100)

Details	1950-51	1955-56	1960-61	1965-66	1966-67
1	2	3	4	5	6
1 Loans advanced during the year to					
individuals (Rs. lakhs)	7148	12398	34232	65595	68945
Index	100.00	173.45	478.90	917.67	964.54
2 Loans repaid during the year by					
individuals (Rs. lakhs)	5885	10480	28570	54069	51676
Index	100.00	178.08	485.47	918.76	878.10
3 Loans outstanding against indi-					
viduals (Rs. lakhs)	7590	13231	36180	77028	86163
Index	100.00	174.32	476.68	1014.86	1135.22
4 Loans overdue from individuals					
(Rs. lakhs)	978	2160	5460	14437	18190
Index	100.00	220.86	558.28	1476.17	1859.91

\* Includes grain banks and primary mortgage banks.

Source: Statistical statements relating to co-operative movement in India, 1966-67, p.2

TABLE 9.1  
Agro Industrial Infrastructures India by State

States	Area irrigated percent 1965-66	Electricity per capita consumption 1966-67	Railway per 100 miles 1967	Central invest- ment % to all India 1967-68	Industrial Licences granted 1951-68 (Nos.)
1	2	3	4	5	6
Andhra	27.1	25.5	17	2.50	379
Assam	34.7	7.4	11	1.76	105
Bihar	28.9	40.2	30	15.47	571
Gujarat	8.8	84.1	29	2.56	963
Haryana	36.6	...	32	0.2	22
Jammu & Kashmir	17.5	...	Nil	...	6
Kerala	5.9	46.4	23	2.30	23
Madhyapradesh	6.8	31.5	12	17.02	395
Maharashtra	9.8	113.5	17	3.05	3084
Mysore	..	56.0	14	2.30	380
Orissa	..	38.6	11	12.87	143
Punjab	59.6	106.1	42	1.06	731
Rajasthan	12.4	13.5	16	0.57	263
Tamilnadu	40.4	92.0	28	7.78	1149
Uttarpradesh	13.9	34.2	29	4.13	748
West Bengal	26.2	105.5	35	13.25	1854

Source: Finance Commissioners report 1969.

Handbook of Information of Public Enterprises, 1970.

Commerce, Annual 1969.

as quoted by Prof. B. Kumar in Southern Economist, Vol. X No. 17, p.38.



TABLE 9.2

## Rural Facilities Percentage of Villages, State-wise

States with facilities	Bus stop	Railway Station	Rural Market	Post Office	Radio	Doctors	Population per Village
<b>Good</b>							
Andhra	25.6	4.2	5.4	5.23	50.6	11.8	1097
Kerala	54.5	2.1	27.3	43.9	23.3	20.9	9122
Tamilnadu	40.7	2.5	6.8	49.7	73.7	9.7	1749
<b>Average</b>							
Assam	10.6	1.2	10.3	14.8	26.9	6.7	426
Maharashtra	13.6	1.1	7.5	20.5	36.1	6.9	792
Mysore	38.0	2.2	4.0	37.6	30.2	10.6	695
Orissa	10.2	2.2	9.7	21.5	23.2	5.8	354
Punjab	15.8	1.5	2.3	23.0	50.5	8.4	763
West Bengal	12.6	1.4	6.1	12.8	3.8	10.6	686
<b>Poor</b>							
Madhyapradesh	9.7	0.5	3.4	8.4	16.2	4.2	394
Uttarpradesh	5.0	0.8	3.5	8.4	16.2	4.2	571

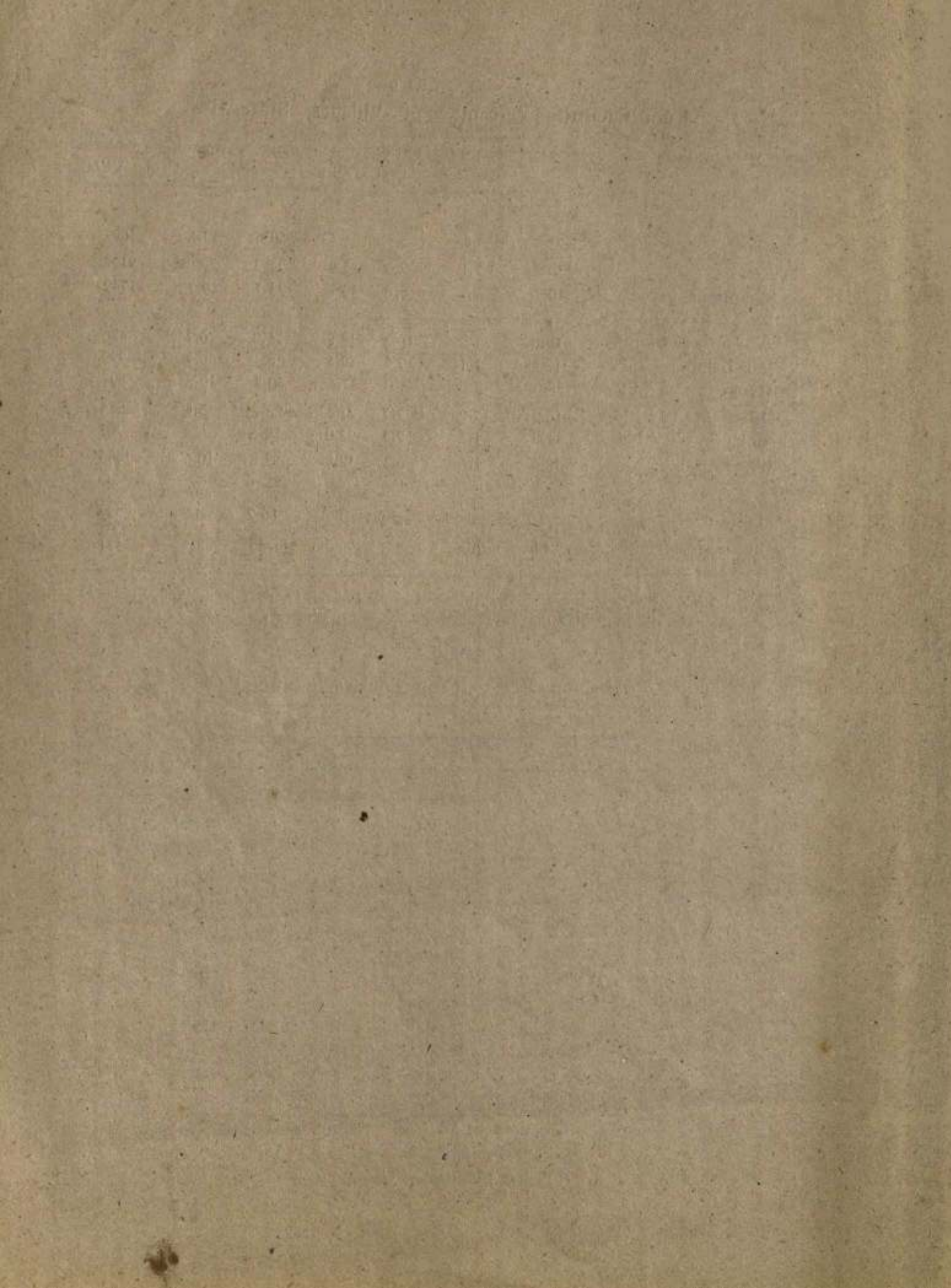
Source: Regional variation in Social Development and Levels of living vol. II, 1968, pp 34-35 as quoted by Prof. B. Kumar in Southern Economist, vol. X NO. 17, p. 38

TABLE 9.3

## Tourist Arrivals and Receipt From Tourism in India, 1960 to 1971

Year	Tourist arrivals		Receipt from Tourism	
	numbers	Index	(Rs. Crores)	Index
1	2	3	4	5
1960	123095	100.00	20.55	100.00
1961	139804	113.57	18.49	89.98
1962	134360	109.15	19.62	95.47
1963	140821	114.40	20.56	100.05
1964	156673	127.28	23.00	111.92
1965	147900	120.15	21.59	105.06
1966	159603	129.66	22.61	110.02
1967	179565	145.88	25.23	122.77
1968	188820	153.39	26.54	129.15
1969	244714	198.81	33.11	161.12
1970	280821	228.13	38.03	185.06
1971	300925	244.52	NA	

Source: Department of Tourism (Statistics & research) as quoted in Monthly Commentary Vol. XIII No 6 January 1972 Blue Supplement, page. VII



PART III: WORLD



TABLE 1

World Population 1970 Annual Rate of Growth and Birth  
and Death Rates by Regions

	Population (in millions)	Rate of increase (Percent)	Birth rate (per thousand)	Death rate (per thousand)
World	3638	2.0	34	14
Africa	344	2.6	46	20
Western Africa	101	2.5	49	24
Eastern Africa	98	2.5	43	18
Northern Africa	87	3.1	48	17
Middle Africa	36	2.1	45	24
Southern Africa	23	2.4	41	17
America	511	2.1	30	10
North America	228	1.2	18	9
Latin America	283	2.9	39	10
Tropical S. America	151	3.0	41	11
Middle America	67	3.4	44	10
Temperate S. America	39	1.8	26	8
Caribbean	26	2.3	36	13
Asia	2056	2.3	38	15
Eastern Asia	930	1.8	31	13
China (Mainland)	765	1.8	33	15
Japan	103	1.1	18	7
Other Eastern Asia	62	2.5	34	9
South Asia	1126	2.8	44	16
Middle S. Asia	762	2.8	45	17
S. E. Asia	287	2.8	43	15
S. W. Asia	77	2.9	43	14
Europe	462	0.8	18	10
Western Europe	149	0.8	17	11
Southern Europe	128	0.9	19	9
Eastern Europe	104	0.8	17	10
North eastern Europe	81	0.6	18	11
Oceania	19.4	2.0	24	10
Australia and Newzealand	15.4	1.9	20	9
Melanesia	2.8	2.4	42	18
Polynesia and Micronesia	1.2	3.1	40	9
USSR	242	1.0	18	8

Source: United Nations Demographic Year Book, 1970.

Eastern Economist vol. 58, March 3, 1972.

TABLE 2

Population (MID-1969) and Average Annual Growth Rate (1960-69) of Countries with populations of one million or more

Country	Population (thousand)	Growth rate (percent)	Country	Population (thousands)	Growth rate (percent)
1	2	3	4	5	6
China (mainland)	740,000	1.5	Saudi Arabia	7,235	1.7
India	526,043	2.3	Malagasy	6,656	2.4
USSR	240,333	1.3	Switzerland	6,230	1.7
United States	203,213	1.3	Ecuador	5,890	3.4
Pakistan	126,740	2.7	Syria	5,866	2.8
Indonesia	116,600	2.4	Cameroon	5,736	2.1
Japan	102,322	1.0	Yemen, Arab Rep. of	5,556	2.1
Brazil	92,282	3.2	Angola	5,430	1.3
Nigeria	64,560	2.6	Upper Volta	5,278	2.2
W. Germany	60,842	1.0	Rhodesia	5,090	3.2
United Kingdom	55,534	0.7	Gautemala	5,014	3.1
Italy	53,170	0.8	Ivory Coast	4,942	2.8
France	50,330	1.1	Tunisia	4,919	3.0
Mexico	48,983	3.5	Denmark	4,891	0.7
Philippines	35,900	3.1	Mali	4,881	2.1
Thailand	35,128	3.1	Bolivia	4,804	2.6
Turkey	34,450	2.5	Haiti	4,768	2.0
Spain	32,949	0.9	Finland	4,703	0.7
Poland	32,555	1.0	Zambia	4,020	2.6
UAR (Egypt)	32,501	2.5	Malawi	3,398	2.6
S. Korea	31,139	2.6	Hong Kong	3,990	2.9
Iran	28,475	3.0	Dominican Republic	3,951	3.0
Burma	26,980	2.1	Niger	3,909	3.0
Ethiopia	24,769	2.0	Guinea	3,890	2.7
Argentina	23,983	1.6	Norway	3,851	0.8
N. Viet-Nam	21,340	3.2	Senegal	3,790	2.2
Canada	21,089	1.8	Rwanda	3,650	3.1
Colombia	20,463	3.2	Chad	3,510	1.5
Yugoslavia	20,351	1.1	Burundi	3,475	2.0
South Africa (I)	20,218	2.3	El Salvador	3,390	3.7

TABLE (2 Contd.)

Romania	20,010	0.9	Ireland	2,921	0.3
Congo, Dem. Rep. of	17,900	2.1	Laos	2,893	2.4
South Viet-Nam	17,867	2.7	Uruguay	2,852	1.3
GDR	17,096	0.1	Israel	2,822	3.3
Sudan	15,186	2.9	New-Zealand	2,777	1.8
Morocco	15,050	2.9	Puerto Rico	2,739	1.7
Czechoslovakia	14,418	0.5	Somalia	2,730	2.5
Afghanistan	13,975	2.0	Lebanon	2,645	2.5
China (Taiwan)	13,800	3.0	Dahomey	2,640	2.9
Algeria	13,349	2.4	Sierra Leone	2,510	2.0
N. Korea	13,300	2.6	Honduras	2,495	3.4
Peru	13,172	3.1	Papua, New Guinea	2,563	2.4
Netherlands	12,873	1.3	Paraguay	2,314	3.1
Tanzania (2)	12,557	2.6	Jordan	2,242	3.2
Australia	12,296	2.0	Albania	2,075	2.0
Ceylon	12,244	2.4	Singapore	2,017	3.0
Kenya	10,890	3.1	Nicaragua	1,915	3.0
Nepal	10,845	1.8	Togo	1,896	2.0
Malaysia	10,600	3.0	Libya	1,869	3.7
Hungary	10,295	0.3	Jamaica	1,863	1.5
Venezuela	10,035	3.5	Costa Rica	1,680	3.3
Belgium	9,646	0.6	Panama	1,417	3.3
Chile	9,566	2.5	Central		
			African Republic	1,518	2.4
Portugal	9,560	0.9	Liberia	1,480	2.8
Uganda	9,500	3.0	Mongolia	1,251	3.1
Iraq	9,350	3.5	Yemen, People's Dem.		
			Rep. of	1,220	2.2
Greece	8,835	0.7	Mauritania	1,136	2.2
Cuba	8,513	2.5	Trinidad and Tobago	1,040	2.5
Bulgaria	8,440	0.2	United States	4,240	3.2
Ghana	8,341	2.5	Sweden	2,920	3.4
Sweden	7,968	0.7	Switzerland	2,700	2.6
Mozambique	7,539	1.8	Canada	2,650	2.8
Austria	7,371	0.5			
Khmer Rep.	7,284	3.3			

(1) Including Zambia (2) Mainland Tanzania

TABLE 3

Annual Average Compound Rates of Growth of GDP and Related Indicators Country wise  
1960-1970a  
(Percentage)

Country b	Growth rate of GDP of export earnings c		Rate of Investment ratio	Gross domestic saving GDP ratio	Marginal gross domestic savings rate	Tax GDP ratio	Income elasticity of tax output	Incremental capital output ratio d	Rate of growth of agricultural output d	Rate of growth of manufacturing e	Rate of change of living index	Rate of cost
1	2	3	4	5	6	7	8	9	10	11	12	13
Libyan Arab Republic	27.5	52.6	31.9	29.6	78.6	—	—	1.0	5.9	—	—	—
Republic of Korea	9.6	26.2	20.5	12.1	35.7	10.4	1.1	1.9	4.8	17.8	8.4	13.5
Saudi Arabia	8.4	10.0	14.4	56.7	65.9	—	—	1.6	—	—	—	—
Zambia	8.3	5.0	22.1	38.6	38.8	18.1	2.3	2.5	—	13.0	6.9	—
Jordan	8.2	9.9	16.5	-10.1	-0.1	11.1	1.2	2.0	—	—	—	—
Iran	7.8	9.9	16.3	24.6	36.9	7.4	1.2	1.8	3.5	11.1	2.2	1.6
Panama	7.5	9.3	20.4	17.0	28.1	13.8	1.3	2.6	4.8	10.7	5.8	1.3
Israel	7.4	10.8e	25.0	11.4	-4.0	26.2	1.0	3.6	6.6	10.1	3.1	5.3
Thailand	7.4	9.8	25.4	22.5	36.8	10.4	1.3	3.1	—	—	—	2.2
Mexico	7.1	5.1	19.5	18.7	21.1	—	—	2.3	4.1	8.7	—	2.7
Costa Rica	6.8	9.3	21.7	12.3	25.1	15.3	0.9	2.8	5.6	9.0	—	2.0
Syrian Arab Republic	6.7	4.5	16.8	15.3	26.8	—	—	2.6	8.7	—	2.4	1.8
Togo	6.7	10.0	14.8	13.3	31.2	—	—	2.6	—	—	—	—
Nicaragua	6.6	8.8	18.9	6.8	21.3	10.9	1.3	2.7	4.3	—	—	2.2
Iraq	6.2	6.2	17.0	35.5	40.6	7.3	1.3	2.7	10.4	—	—	1.7
Kuwait	6.2	5.5	14.6	67.9	46.3	—	—	2.2	—	—	—	—
Pakistan	6.1	4.6e	15.3	11.1	10.0	8.7	1.4	2.4	3.5	10.1	2.8	3.8



TABLE (3 Contd.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Bolivia	5.8	7.3	17.8	5.8	6.5	12.0	1.1	2.7	2.3	7.5	....	5.6
El Salvador	5.8	9.4e	13.9	13.6	7.9	...	...	2.3	...	9.2	3.4	0.7
Malaysia	5.6	5.1	16.3	29.9	34.2	—	—	2.9	5.4	—	4.5	—
Venezuela	5.6	5.5	17.2	34.4	37.1	16.2	0.8	2.8	5.3	7.0	2.3	1.1
Kenya	5.5	5.8e	14.3	15.0	15.3	14.1	1.1	2.3	—	6.0	4.4	1.9
Honduras	5.4	9.0e	17.1	12.3	17.1	11.0	1.5	2.8	3.8	8.3	4.6	2.6
Guatemala	5.1	9.5	11.3	11.0	26.1	8.9	1.2	2.2	8.3	4.2	0.4	0.5
Brazil	5.0	6.3	17.6	17.8	20.0	21.1	1.1	3.0	2.5	5.0	1.3	38.7
Cameroon	5.0	5.2	13.7	15.7	14.6	....	—	2.8	...	—	6.6	4.1
Colombia	5.0	3.8	19.1	17.4	12.2	11.5	1.2	3.2	2.8	5.4	0.5	11.7
Ecuador	5.0	3.0e	13.9	13.6	0.8	15.4	1.1	2.6	4.1	5.9	1.6	4.0
Uganda	4.9	5.6	13.4	21.8	26.3	17.1	1.2	2.9	—	—	3.2	3.0
Jamaica	4.8	5.4	21.6	21.6	33.4	16.0	1.4	4.0	—	—	—	3.5
Ceylon	4.8	1.0	15.1	17.9	47.2	19.2	—	2.8	2.6	5.4	—	3.4
Mozambique	4.8	7.5	27.6	20.3	28.7	...	—	6.2	—	13.0	—	2.7
Liberia	4.5	11.7	15.3	—	—	—	—	3.5	—	—	—	—
Paraguay	4.4	1.7	14.6	13.6	17.0	10.5	1.2	3.2	3.9	5.1	—	2.6
Peru	4.4	3.1	21.4	16.5	18.1	16.8	1.1	5.1	1.6	7.6	2.9	9.9
Sierra Leone	4.4	0.8	12.6	10.0	20.6	—	—	2.8	—	—	8.2	4.2
Ethiopia	4.3	6.5	12.8	10.4	14.9	7.5	1.4	2.9	2.7	—	—	—
Philippines	4.2	7.2	18.2	12.1	0.5	9.8	1.0	4.5	2.7	6.0	1.1	7.9
Chile	4.2	5.3	17.8	14.7	9.9	26.4	1.1	3.8	2.0	4.6	1.2	24.8
Argentina	4.1	4.7	19.0	19.8	25.6	11.1	1.1	4.3	2.2	4.4	0.6	21.0
Tanzania, United Rep. of	4.0	8.1	12.9	16.1	58.8	13.6	2.5	3.1	—	—	6.1	2.6
Lebanon	3.8	7.6	22.8	13.4	18.9	—	—	5.8	—	—	—	—
Morocco	3.8	1.9	12.7	10.9	23.9	12.3	1.2	3.2	4.0	3.4	—	2.2
Guyana	3.8	4.5	21.2	21.2	8.4	17.5	1.3	4.8	—	—	—	—
Zaire	3.7	-1.1	16.1	19.6	1.0	21.7	—	4.6	—	—	—	21.8
Malawi	3.7	5.2	11.5	-3.1	7.2	—	—	2.7	—	—	—	—
Tunisia	3.6	3.8e	23.2	5.2	14.9	22.9	1.3	6.0	0.3	—	—	3.1

TABLE (3 Contd.)

1	2	3	4	5	6	7	8	9	10	11	12	13
Sudan	3.5	2.5	13.3	10.9	12.6	—	—	4.0	5.1	—	—	2.6
Egypt	3.4	0.2	17.9	15.7	27.2	—	—	5.9	3.2	10.5	4.0	4.4
Dominican Republic	3.4	-0.2	17.6	11.6	-5.5	17.6	—	4.7	0.2	2.1	—	1.9
Mauritius	3.3	5.5	17.1	16.2	40.5	18.3	0.8	5.1	—	—	—	—
India	3.2	3.9	16.8	14.7	15.8	13.1	1.2	5.6	1.7	5.4	2.4	7.1
Indonesia	2.8	1.5	8.7	8.6	10.6	—	—	4.2	1.9	—	—	108.9
Ghana	2.2	-0.7	17.9	18.3	14.2	1.2 <sup>a</sup>	1.1	8.9	—	8.8	4.8	—
Chad	2.0	3.2	11.2	0.9	—	—	—	5.7	—	—	—	4.7
Malagasy Republic	1.8	4.9 <sup>c</sup>	10.2	6.7	-3.1	—	—	5.5	—	—	4.9	—
Nigeria	1.3	4.8	12.3	11.0	40.9	—	—	11.2	—	8.0	8.7	—
Uruguay	0.8	1.8	13.9	13.2	33.6	26.5	1.0	16.5	1.3	0.7	—	41.7

Source: UNCTAD Secretariat, based on data of the Statistical Office of the United Nations and information made available by the Department of Economics and Social Affairs of the United Nations; also national sources.

a Estimates of some indicators are for shorter periods as listed below.

Rate of growth of GDP, exports, investment and savings ratios. Period 1960-1968: Chad, Iran, Israel, Jordan, Kuwait, Libyan Arab Republic, Mozambique, Nigeria, Saudi Arabia, Sierra Leone, Sudan, Syrian Arab Republic, United Republic of Tanzania. Period 1960-1969: Ceylon, Egypt, Ghana, Iraq, Kenya, Lebanon, Liberia, Malagasy Republic, Mauritius, Zambia. For India, rates of growth of GDP and exports refer to 1960-70; but investment and saving ratios refer to the period 1960-68. For Indonesia, the rate of growth of GDP refers to 1960-1970, but the rate of growth of export earnings, investment and savings ratios refer to 1960-68. Tax-GDP ratio and income elasticity of tax. Estimates refer to 1960-1969 with the exception of following countries, for which data are available for different periods. 1960-1967: Ecuador, Guatemala, Guyana, India, Iran, Israel, Thailand, Tunisia, Uruguay, 1960-1968: Brazil, Colombia, Costa Rica, Ghana, Iraq, Jamaica, Jordan, Nicaragua, Panama, Republic of Korea, Venezuela, 1961-1968: Ethiopia, 1961-1969: Kenya and United Republic of Tanzania, 1962-1969: Paraguay.

Rate of growth of manufacturing output: estimates refer to 1960-1969.

Rate of growth of employment in manufacturing: estimates refer to 1960-1968.

Rate of change of cost of living index: estimates for Bolivia, Colombia, Ecuador, Egypt, Guatemala, Nicaragua, Philippines, Sudan and Uruguay refer to the period 1960-1969. Estimates for Uganda refer to the period 1960-1970. Estimates for Mozambique refer to the period 1961-1969. Estimates for Chad refer to period 1961-1970. Estimates for Zaire refer to the period 1963-1969.

b Countries are listed in descending order of rate of growth of GDP.

c Refers to exports of goods and services in constant 1960 prices

d Refers to rates of growth of volume of production.

TABLE 4

Gross National Product Per Capita (1969) and Average Annual Growth Rate (1960-69) of Countries with Populations one million or more

Country	GNP per capita U. S. dollars	Growth rate Percent	Country	GNP per capita U. S. dollars	Growth rate percent
1	2	3	4	5	6
France	2460	4.8	Paraguay	240	1.0
Denmark	2310	3.7	Rhodesia	240	0.4
Australia	2300	2.9	Tunisia	230	2.1
New Zealand	2230	2.0	Angola	210	1.4
W. Germany	2190	3.7	S. Korea	210	6.4
Norway	2160	4.0	Mozambique	210	3.3
Belgium	2010	3.5	Papua-New Guinea	210	2.0
Finland	1980	3.9	Philippines	210	1.9
United Kingdom	1890	1.8	Liberia	200	1.0
Netherlands	1760	3.1	Senegal	200	-0.1
GDR	1570	4.1	Ceylon	190	2.1
Israel	1570	5.3	Ghana	190	0.0
Libya	1510	21.7	Morocco	190	3.4
Austria	1470	3.9	Sierra Leon	170	1.2
Japan	1430	10.0	Bolivia	160	2.4
Puerto Rico	1410	6.0	UAR (Egypt)	160	-1.2
Italy	1400	4.7	Thailand	160	4.7
Czechoslovakia*	1370	3.0	Cameroun	150	2.0
USSR*	1200	5.6	Mauritania†	140	4.6
Ireland	1110	3.5	S. Viet Nam	140	1.8
Hungary*	1110	5.5	Central Africa. Rep. of	130	0.0
Argentina	1060	2.6	Kenya	130	1.5
Venezuela	1000	2.5	Khmer Republic	130	1.5
Poland*	940	5.1	Yemen, People's Dem. Rep. of	120	-4.6
Trinidad & Tobago	890	3.8	India	110	1.1
Bulgaria*	860	6.7	Laos†	110	0.2
Romania	860	7.5	Malagasy	110	0.0
Hong Kong	850	8.7	Pakistan	110	2.9
Greece	840	6.2	Sudan	110	0.6
Spain	820	6.5	Uganda	110	1.7
Singapore	800	4.5	Indonesia	100	0.8
South Africa †	710	3.8			

TABLE 4 (Contd)

1	2	3	4	5	6
Panama	660	4.8	Togo	100	0.0
Lebanon	580	2.1	Afghanistan	...	0.3
Mexico	580	3.4	Burma	...	1.8
Yugoslavia	580	4.6	Burundi †	...	0.0
Uruguay	560	-0.8	Chad	...	1.3
Jamaica 2	550	3.0	China (mainland)*	...	0.8
Chile	510	1.7	Congo, Dem. Rep. of	...	0.2
Costa Rica	510	2.9	Dahomey	...	0.9
Portugal	510	4.9	Ethiopia	...	2.3
Mongolia*	460	1.0	Guinea	...	2.6
Albania	430	4.9	Haiti	...	1.0
Nicaragua	380	2.8	Malawi	...	1.0
Saudi Arabia	380	7.1	Mali	...	1.2
Gautemala	350	1.9	Nepal	...	0.4
Iran	350	4.9	Niger	...	0.9
Turkey	350	3.4	Nigeria	...	0.3
Malasia	340	3.8	Rwanda	...	0.8
Peru	330	1.4	Somalia †	...	1.5
Iraq	310	3.0	Tanzania 3	...	1.6
China (Taiwan)	300	6.3	Uper Volta	...	0.1
Colambia	290	1.5	N. Viet-Nam*	...	3.2
El Salvador	290	1.9	Yemen, Arab	...	2.3
Zambia	290	5.4	Rep. of †	...	2.3
Cuba*	280	-3.2			
Dominican Republic	280	0.4			
Jordan †	280	4.7			
Korea (North)*	280	5.9			
Brazil	270	1.4			
Algeria	260	—			
Honduras	260	1.1			
Syria	260	4.7			
Ecuador	240	1.2			
Ivory Coast	240	4.7			

(1) Including Zambia

(2) The estimate of rate of growth of GNP per capita of 0.8% in the 1970 Atlas was in error; the correct figure should have been 2.0%.

(3) Mainland Tanzania.

† Estimates of GNP per capita and its growth rate are tentative.

\* Estimates of GNP per capita and its growth rate have a wide margin of error mainly because of the problems in deriving the GNP at factor cost from net material product and in converting the GNP estimates into US dollars.

... Estimated at less than 100 dollars.

Eastern Economist, Annual Number 1972 P 1296.

TABLE 5

Per Capita Income and Per capita Consumption of Cereals, Sugars, Milk & Fats & Oils for India and Selected Countries.

Countries	Annual income* Rs.	Per capita daily consumption (grams)			
		Cereals	Sugar	Milk	Fats and oils
1	2	3	4	5	6
India	543	346	50	110	9
Australia	13650	219	144	618	39
Brazil	1890	304	111	209	16
Canada	15653	184	137	646	57
Ceylon	990	370	50	52	10
France	13035	235	91	578	65
Germany (W)	11340	194	91	557	70
Israel	8685	275	108	371	48
Italy	7650	360	72	418	48
Japan	6908	394	50	100	19
Kenya	750	350	29	98	4
Korea Rep. of	1050	556	4	5	1
Mexico	3585	353	104	339	28
Pakistan	810	453	60	195	16
Philippines	1748	342	46	40	8
Sweden	19988	176	120	745	61
U. A. R.	1245	551	49	122	19
U. K.	11700	206	136	593	62
U. S. A.	24773	177	133	665	61

Note: Data relate to 1967 in most cases.

\* Original amounts in dollars converted into rupees at the rate of Rs. 7.5 to a dollar.  
Source: U. N. Statistical Office.

TABLE 6

Per Capita Daily intake of Calories and Proteins and Percapita Annual Consumption of Energy, Steel and Newsprint in India and Selected Countries.

Countries	Per capita daily in take		Percapita annual consumption kg.		
	Calories	Protien grams	Energy*	Crude steel	News print
1	2	3	4	5	6
India	1810	45	176	13	0.2
Australia	3120	92	4791	443	32.3
Brazil	2860	71	392	47	2.2
Canada	3180	96	8060	446	27.0
Ceylon	2180	50	112	10	1.3
France	3150	102	3093	360	11.3
Germany (W)	2870	80	4199	476	12.0
Israel	2850	88	2262	118	7.7
Italy	2860	87	2129	312	9.3
Japan	2350	78	2323	513	13.4
Kenya	2120	64	144	N.A.	0.4
Korea Rep.	2390	70	567	25	2.2
Mexico	2780	74	1073	72	3.6
Pakistan	2290	52	92	8	0.2
Philippines	2000	50	236	31	1.5
Sweden	2900	80	4787	589	32.2
U.A.R.	2810	80	267	24	1.5
U.K.	3220	89	5003	388	24.8
U.S.A.	3200	96	9828	634	40.2

Note: Data relate to 1967 in most case.

\* Coal equivalent.

Source: U.N. Statistical Office.

TABLE 7

**Population Per Passenger Car, radio, Telephone, Physician and Hospital  
Bed in India and Selected Countries**

Countries	Population Per				
	Passenger car	Radio	Telephone	Physician	Hospital Bed
India	1072	68	502	4830	1710
Australia	4	5	4	600	80
Brazil	56	N.A.	38	2360	350
Canada	4	2	2	817	90
Ceylon	140	20	229	4180	290
France	4	3	7	850	100
Germany (West)	6	2	6	630	90
Israel	27	3	8	410	130
Italy	7	5	7	570	100
Japan	26	4	6	930	90
Kenya	126	27	164	10600	770
Korea (Rep.)	1284	11	87	2540	1250
Mexico	50	4	44	1810	500
Pakistan	928	104	660	5980	2820
Philippines	190	52	167	1370	730
Sweden	4	3	2	880	70
U.A.R.	286	18	88	2270	448
U.K.	5	3	5	870	100
U.S.A.	3	1	2	670	120

Note: Data relate to 1967 in most cases.

Source: U. N. Statistical Office.

TABLE 8

## Indices of Value of Money and rates of Depreciation in India and Selected Countries, 1960-71

Country	Industrialised countries					Country	Less-developed countries				
	Indices of value of money (1960=100)			Rates of depreciation of money (percent)			Indices of value of money (1960=100)			Rates of depreciation of money (percent)	
	1965	1970	1960-70*	1970	1971**		1965	1970	1960-70*	1970	1971**
Greece	92	81	2.1	3.1	3.1	El Salvador	99	94	0.7	2.8	1.1
Australia	91	78	2.4	3.7	4.7	Guatemala	99	92	0.8	2.3	0.3
Luxembourg	90	78	2.5	4.4	4.2	Venezuela	99	92	0.9	2.1	2.7
South Africa	90	76	2.6	4.9	5.0	Iran	91	84	1.7	2.1	1.9
Canada	92	76	2.6	3.3	1.9	Thailand	93	82	2.0	2.3	0.9
Germany	87	76	2.6	3.8	4.4	Morocco	82	80	2.2	1.3	3.2
United States	94	76	2.6	5.6	4.4	Cosraica	89	79	2.3	4.5	3.4
Belgium	88	74	2.9	3.8	3.6	Mexico	91	77	2.6	4.9	4.6
Switzerland	85	72	3.2	3.5	6.1	China	89	72	3.3	3.5	3.9
Austria	83	70	3.5	4.2	4.0	Pakistan	88	71	3.4	5.1	4.5
New Zealand	88	69	3.7	6.2	9.7	Jamaica	87	67	3.9	8.9	6.7
Italy	79	68	3.8	4.8	5.0	Ecuador	82	65	4.2	4.9	8.9
France	83	67	3.8	4.9	4.8	Philippines	78	58	5.2	14.7	4.3
Sweden	84	67	3.8	6.6	7.2	Bolivia	78	58	5.2	3.8	2.9
United Kingdom	84	67	3.9	6.0	8.4	Israel	71	58	5.3	5.7	10.7
Netherlands	84	66	4.0	4.2	6.6	India	74	54	5.9	4.9	3.0
Portugal	88	65	4.3	6.0	8.6	Peru	64	40	8.8	4.9	5.7
Norway	82	64	4.3	9.7	6.5	Colombia	56	35	10.1	6.4	6.2
Ireland	81	63	4.5	7.6	8.4	Yugoslavia	53	31	10.9	11.3	12.4
Finland	78	62	4.8	2.7	4.5	Korea	49	27	12.1	13.8	13.1
Japan	75	57	5.4	7.1	6.2	Argentina	35	15	17.5	12.0	22.9
Turkey	84	57	5.5	7.3	10.2	Vietnam	71	14	17.6	26.9	21.3
Denmark	77	56	5.7	6.4	5.1	Chile	30	9	21.0	24.5	18.2
Spain	71	56	5.7	5.4	7.6	Brazil	9	3	30.6	16.0	17.7
Iceland	59	33	10.6	11.3	9.7	Indonesia	2	@	57.6	11.0	15.2

\* Compounded annually. \*\* Based on average of monthly data available for 1971 compared with corresponding period of 1970.

@ less than one

Source: First National City Bank, New York.



TABLE 9

General Index Number of Wholesale Prices in India and Selected Countries  
1967 to 1971

(Base 1963=100)

Country						January	June
	1967	1968	1969	1970	1971	1971	
1	2	3	4	5	6	7	
Argentina	236.0	258.0	274.0	313.0	372.0	424.0	
Australia	112.5	113.2	114.1	—	—	—	
Austria	107.1	108.1	110.8	116.0	119.7	123.4	
Belgium	107.1	107.3	112.6	118.0	116.9	—	
Brazil	496.0	614.0	740.0	902.0	988.0	109.4	
Canada	108.0	110.3	115.5	117.1	116.6	118.4	
Chile	274.0	358.0	489.0	665.0	732.0	780.0	
Denmark	110.0	114.0	117.0	127.0	129.0	132.0	
Finland	118.0	131.1	135.7	141.6	145.3	147.8	
France	106.3	104.6	115.8	124.4	124.4	127.0	
Germany Fed. Rep.	104.4	98.8	101.0	107.0	110.3	112.1	
Greece	108.9	108.9	113.1	117.5	119.9	122.0	
India	154.0	153.0	156.0	166.0	170.0	171.0	
Iran	106.5	107.0	109.4	112.9	115.3	—	
Israel	111.2	113.8	116.1	124.0	132.6	—	
Italy	106.4	106.8	110.9	119.2	121.2	122.7	
Japan	105.3	106.1	108.5	112.4	112.0	111.7	
Korea	172.0	185.0	198.0	216.0	227.0	237.0	
Mexico	110.6	112.7	115.6	122.3	125.2	—	
Netherlands	115.5	116.0	116.8	124.2	125.0	—	
New Zealand	106.9	114.9	121.0	127.1	—	136.1	
Norway	111.0	112.0	116.0	123.0	127.0	128.0	
Pakistan	127.7	122.7	129.8	133.6	133.8	—	
Philippines (Manila)	116.8	120.2	121.1	144.6	159.8	—	
South Africa (1970=100)	93.7	94.8	96.9	100.9	101.9	104.6	
Spain	116.8	119.5	122.5	124.5	128.4	132.6	
Sudan	125.2	111.6	120.4	124.8	—	—	
Sweden	112.0	113.0	118.0	126.0	128.0	128.0	
Switzerland	104.1	104.1	107.2	111.6	112.4	114.4	
Turkey	123.0	129.0	137.0	145.0	157.0	—	
U. A. R.	130.1	126.8	126.2	—	—	—	
U.K.	107.5	117.3	121.3	126.0	129.6	133.5	
U. S. A.	105.8	108.4	112.7	116.0	118.3	121.0	
Yugoslavia	136.0	136.0	142.0	156.0	164.0	179.0	

Source: Economic Trends, January 1972, p.76.

TABLE 10

## Land Utilization Pattern in Selected Countries

Country	Reference period	Share in world geographical area %	Share in world Agricultural area %	Share in world forest area %
1	2	3	4	5
U. S. S. R.	1968	16.7	13.6	22.4
U. S. A.	1964	7.0	9.9	7.3
Canada	1966	7.4	1.5	10.9
China	1954	7.1	6.5	1.9
Brazil	1960	6.4	3.1	12.7
Australia	1967	5.7	11.1	0.9
India	1967	2.4	4.0	1.5
Iran	1960	1.2	0.4	0.3
Peru	1966	1.0	0.7	2.1
South Africa	1960	0.9	2.3	0.1
U. A. R.	1967	0.7	0.1	Neg.
Turkey	1968	0.6	1.2	0.4
Burma	1966	0.5	0.4	1.1
World	...	100.0	100.0	100.0

Source: F. A. O, Production Year Book 1969.

TABLE 11

Density of Population, Fertilizer Consumption and Average Yield of Important Crops in India and Selected Countries, 1969-70

Country	Fertiliser consumption N+2 O5+K2O per hectare of land (kg)	Density of population per hectare of arable land	Yield per hectare ('00 kg)					
			Paddy	Wheat	Barley	Maize	Potato	Cotton (Lint)
Netherlands	690.02	15	—	44.6	33.4	41.1	357	—
Belgium	950.03	12	—	38.9	31.0	46.7	295	—
Japan	406.28	20	56.4	20.7	25.3	32.2	213	—
Germany West	374.51	8	—	37.9	32.2	50.9	272	—
China Taiwan	308.90	44	39.9	21.0	12.0	29.0	119	4.7
United Kingdom	216.43	8	—	41.3	33.4	—	242	—
Austria	233.07	5	—	29.4	31.5	49.3	246	—
Korea, Rep. of	231.37	14	46.0	24.0	23.7	14.7	109	2.6
France	217.81	3	46.3	34.4	27.3	50.1	213	—
U A R.	111.11	12	54.3	27.7	23.7	37.3	163	7.3
Israel	124.00	9	—	12.1	11.5	36.8	230	12.6
Italy	82.07	4	53.0	23.3	17.5	43.5	120	2.7
U.S.A.	82.59	1	51.2	20.9	22.9	45.0	256	4.9
U S S. R.	84.45	1	36.4	14.4	13.0	28.3	121	8.3
Canada	17.39	—	—	17.9	22.3	52.9	190	—
India	8.52	3	16.6	12.1	9.8	10.8	80	—

Source: Annual Fertilizer Review of F.A.O., 1970

Fertilize Statistics 1970-71 P 495.

TABLE 12.

Fertilizer Consumption Per Hectare of Arable Land and Per-capita in India  
and Selected Countries in Terms of N.P.K. 1969-70

(kilogram)

Continent/Country	Arable land				Per capita total (N+P <sub>2</sub> O <sub>5</sub> +K <sub>2</sub> O)
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O <sub>5</sub>	Total	
Europe	61.30	49.30	47.74	158.34	51.16
Austria	71.86	70.87	90.34	233.07	53.12
Belgium	206.26	166.86	216.91	590.03	81.20
Czechoslovakia	74.93	58.47	89.08	222.48	82.43
Denmark	100.35	47.26	68.42	216.03	118.48
Finland	59.64	64.29	49.60	173.53	98.77
France	64.31	87.22	66.28	217.81	83.54
Germany East	101.24	80.85	129.54	311.63	93.70
Germany West	132.68	104.80	137.03	374.51	52.14
Italy	36.69	32.41	12.97	82.07	23.16
Netherlands	431.85	120.71	138.06	690.02	47.80
Norway	89.32	58.72	74.85	222.89	48.79
Poland	51.52	39.13	68.48	159.13	74.95
Spain	29.68	19.97	11.02	60.67	37.49
Sweden	67.14	45.55	42.16	154.85	59.30
United Kingdom	89.46	63.41	63.56	216.43	28.30
Yugoslavia	34.41	22.18	24.33	80.92	32.75
U.S.S.R.	16.29	8.22	9.94	34.45	33.42
North/ Central America	30.65	18.84	16.39	65.88	53.03
Canada	5.64	7.37	4.38	17.39	35.80
U.S.A.	38.35	23.49	20.75	82.59	71.71
South America	4.75	5.38	3.58	13.71	6.65
Chile	9.09	19.37	4.43	32.89	15.51

TABLE 12 (Contd.)

Peru	25.29	3.82	1.37	31.08	6.19
Asia	10.96	4.97	3.68	19.61	5.40
China Taiwan	190.50	47.27	71.13	308.90	18.87
India	6.15	1.45	0.92	8.52	2.60
Israel	66.76	34.34	22.90	124.0	18.02
Japan	160.09	123.04	123.15	406.28	22.25
Korea, Republic of	138.56	56.58	36.23	231.37	16.94
Pakistan	11.28	1.76	0.88	13.92	3.10
Philippines	8.29	7.49	4.41	20.19	4.64
Africa	3.45	2.56	1.17	7.18	4.22
South Africa	12.44	21.68	7.40	41.52	25.52
U.A.R.	92.76	17.64	0.71	111.11	9.70
Oceania	3.98	24.91	4.13	33.02	82.09
Australia	3.86	18.64	2.13	24.63	89.22
New Zealand	12.71	440.49	127.86	581.06	161.74
World	19.56	13.60	11.85	45.01	21.20

Source: Annual Fertiliser Review of FAO, 1970  
Fertiliser statistics 1970-71 p. 491.

TABLE 13

Fertiliser Consumption Per Hectare of Agricultural Land in India and Selected Countries in Terms of NPK, 1970-71

Continent/Country	(Kilogramms)			
	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O	Total
Europe	37.65	30.31	29.23	97.19
Austria	30.97	30.56	38.95	100.48
Belgium	108.33	99.69	115.72	223.74
Czechoslovakia	56.36	43.98	70.00	170.34
Denmark	90.33	42.57	61.58	194.48
Finland	54.05	58.24	44.94	157.23
France	37.46	50.67	38.55	126.68
Germany East	77.73	62.07	99.46	239.26
Germany West	78.39	61.91	80.96	221.26
Italy	27.21	24.04	9.61	60.86
Netherlands	174.11	48.69	55.66	278.45
Norway	75.75	49.80	63.49	189.04
Poland	40.39	30.68	53.69	124.76
Spain	16.80	11.31	6.24	34.35
Sweden	59.47	40.36	37.34	137.17
United Kingdom	33.54	23.77	23.82	81.13
Yugoslavia	19.36	12.48	12.30	44.14
U. S. S. R.	6.24	3.15	3.81	13.20
North/Central/America	12.22	7.65	6.56	26.43
Canada	3.81	4.97	2.95	11.73
U. S. A.	15.33	9.59	8.32	33.24
Soth America	0.86	0.97	0.64	2.47
Chile	2.27	0.33	0.12	2.72
Peru	2.81	5.99	1.37	10.17

TABLE 13 Contd:

Asia	6.44	2.86	2.02	11.32
China Taiwan	190.10	47.18	71.00	308.28
India	6.99	1.77	0.85	9.61
Israel	22.31	11.48	7.65	41.44
Japan	136.92	105.23	105.33	347.48
Korea Rep. of	137.48	56.12	35.94	229.54
Pakistan	11.28	1.76	0.88	13.92
Philippines	5.70	5.14	3.03	13.87
Africa	0.97	0.50	0.23	1.70
South Africa	1.46	2.55	0.87	4.88
U.A.R.	92.77	7.63	0.97	101.37
Oceania	0.37	2.31	0.38	3.06
Australia	0.35	1.69	0.19	2.23
New Zealand	0.72	25.00	7.25	32.97
*World	5.83	4.05	3.49	13.37

\* Excluding Mainland China.

Note: 1 Data on agricultural land have been taken from Table 2.01 of Part III. Agricultural land includes arable land plus permanent meadows and pastures defined as land under herbaceous forage crops other than ration grasses and clover.

2 Calculated on the basis of consumption figures furnished in Table 1.01 to 103 of part III

Source: Production year Book 1970 Volume 24-FAQ.  
Fertilizer Statistics, 1970-71 P.492

TABLE 14

Fertiliser Consumption Ratio of NPK in India and Selected Countries, 1969-70.

Continent/Country	N	P <sub>2</sub> O <sub>5</sub>	K <sub>2</sub> O
Europe	1	0.81	0.78
Austria	1	0.99	1.26
Belgium	1	0.89	1.07
Czechoslovakia	1	0.78	1.19
Denmark	1	0.47	0.68
Finland	1	1.08	0.83
France	1	1.35	1.03
Germany East	1	0.80	1.28
Germany West	1	0.79	1.03
Italy	1	0.88	0.35
Netherlands	1	0.28	0.32
Norway	1	0.66	0.84
Poland	1	0.76	1.33
Spain	1	0.67	0.37
Sweden	1	0.68	0.63
United Kingdom	1	0.71	0.71
Yugoslavia	1	0.64	0.61
U. S. S. R.	1	0.50	0.61
North/Central/America	1	0.63	0.54
Canada	1	1.31	0.78
U. S. A.	1	0.63	0.54
South America	1	0.99	0.66
Chile	1	2.13	0.49
Peru	1	0.15	0.05
Asia	1	0.44	0.31
China Taiwan	1	0.25	0.37
India	1	0.25	0.12
Israel	1	0.51	0.34
Japan	1	0.77	0.77
Korea, Republic of	1	0.41	0.26
Pakistan	1	0.16	0.08
Philippines	1	0.90	0.53
Africa	1	0.74	0.34
South Africa	1	1.74	0.59
U.A.R.	1	0.19	0.01
Oceania	1	6.28	1.04
Australia	1	4.83	0.55
Newzealand	1	34.74	10.08
World	1	0.70	0.60

Source: Based on the consumption figures given in the Production Year Book 1970, FAO.



TABLE 15  
Livestock Population in India and Selected Countries as Percentage to World Livestock Population

Country	Percentage to world cattle population	Percentage to world sheep population	Percentage to Livestock population
1	2	3	4
China	5.8	6.6	12.7
U.S.S.R.	8.9	13.1	10.2
India	16.1	4.0	7.8
U.S.A.	10.0	2.1	6.7
Brazil	8.2	2.2	6.7
Australia	1.8	15.8	6.6
New-Zeland	0.8	5.7	2.4
Mexico	3.2	0.6	2.3
Turkey	1.3	3.4	1.9
South Africa	1.1	3.6	1.8
Pakistan	3.3	1.0	1.7
Ethiopia	2.4	1.2	1.6
France	2.0	0.9	1.4
West Germany	1.3	0.1	1.2
Uruguay	0.8	2.0	1.1
United Kingdom	1.1	2.6	1.7
World	100.0	100.0	100.0

Source: State planning Board & Bureau of Economics & Statistics for planning Series, Agriculture, 1972, p.90.

TABLE 16  
Trends in Average Annual Yield of Milk Per Cow In Milk in India and Selected Countries, 1964-68,  
(in kgs.)

Country	1964	1968	percent increase
1	2	3	4
1 France	2622	3000	14.4
2 Federal Republic of Germany	3572	3771	5.5
3 Poland	2094	2364	12.9
4 U.K.	3676	3910	6.4
5 U.S.S.R.	1618	2232	8.0
6 Canada	2888	3179	10.1
7 U.S.A.	3674	4083	11.1
8 Argentina	410	460	12.3
9 India	430	450	4.7
10 Australia	2189	2350	7.4
11 U.A.R.	674	674	

Source: F.A.O. production Year Book, 1969.

TABLE 17  
Trends In Production of Cows Milk in India and  
Selected Countries, 1964-68

Country	(in '000 MT)		
	1964	1968	Percent increase
1. France	25260	30415	20.4
2. Federal Republic of Germany	20841	22121	6.1
3. Italy	8936	10077	12.8
4. Poland	12592	14642	16.3
5. U.K.	12391	12478	0.7
6. U.S.S.R.	62422	81600	0.7
7. Canada	8402	8317	-1.0
8. U. S. A.	57591	53197	-7.6
9. Argentina	4902	4863	-0.8
10. India	9069	9518	5.0
11. Pakistan	5120	5700	11.3
12. Australia	7228	7134	-1.3
13. U.A.R.	379	418	10.4
14. Brazil	6175	6960	2.7

Source: F.A.O. Production Year Book, 1969.  
Financing Agri April 1971, p.36

TABLE 18  
Trends in Production of Buffalo Milk in India and  
selected Countries, 1964-68

Country	(in '000 MT)		
	1964	1968	Percent increase
1. India	11139	11194	0.5
2. Nepal	374	359	4.1
3. Pakistan	5840	6500	11.3
4. Turkey	284	310	9.2
World Total	18675	19403	3.9

Source: F A O production Year Book, 1969

TABLE 19

## Trends in Production of Milk Products in India and Selected Countries, 1964-68

Unit: Thousand Metric Tons

Country	Production of Butter		Percent- age in crease in production of Cheese in			percent- age in crease in production and Evapora- ted			production percent- age in crease in of Dried Milk		percentage increase in 1968 over 1964	
	1964	1968	1968 over 1964	1964	1968	1968 over 1964	1964	1968	1968 over 1964	1964	1968	1964
	1. France	427	575	35	540	713	32	141	191	35	282	757
2. West Germany	491	537	9	360	437	21	454	443	-2	188	486	158
3. East Germany	173	220	27	41	58	41	33	48	45	25	48	92
4. Italy	56	62	11	397	425	7	13	14	8	9	11	23
5. Poland	158	198	25	165	214	30	...	—	—	17	33	94
6. U. K.	28	54	93	111	120	8	217	231	6	69	133	93
7. U.S.S.R.	952	1165	73	335	460	37	215	270	26	—	—	—
8. Canada	164	156	-5	102	106	4	163	156	-4	131	203	55
9. U.S.A.	666	533	-20	1066	1179	11	1562	1316	-16	1230	1123	-9
10. Argentina	51	39	-24	152	178	17	11	10	9	19	28	47
11. Brazil	25	25	—	43	48	12	15	23	53	54	78	44
11. India	441	450	2	—	—	—	—	—	—	—	—	—
13. Japan	23	32	39	13	33	154	69	66	-4	88	130	48
14. Turkey	108	120	11	81	90	11	—	—	—	...	—	...
15. Ethiopia	36	37	3	—	—	—	—	—	—	—	...	...
16. S.Africa	44	57	30	14	21	50	38	38	...	8	17	113
17. Australia	206	201	-2	63	78	24	97	68	-30	20	24	20
18. New Zealand	235	252	7	97	112	15	16	15	-8	84	171	104
19. Denmark	156	160	2	124	106	-15	23	17	-26	40	69	72
20. Switzerland	30	38	27	73	86	18	7	13	86	24	47	96

-Decrease

Source: F.A.O. Year Book 1969.

TABLE 20

Net Milk supply per Capita Per Day in India and  
Selected Countries, 1968-69

Country	Quantity (Gms. per Day)	Calories (Per day)	proteins Gms.per Day)	Fat (Gms. per Day)
1. Austria	544	325	19.0	18.4
2. Denmark	722	382	25.2	24.2
3. Finland	899	583	31.5	34.1
4. France	601	343	21.0	20.5
5. West Germany	532	283	17.9	14.9
6. Ireland	740	469	25.9	24.9
7. Sweden	706	450	24.7	25.7
8. U. K.	595	378	20.9	21.4
9. U. S. S. R.	386	252	16.6	11.1
10. Canada	638	378	22.4	19.6
11. U. S. A.	671	383	23.5	20.5
12. India	129	109	4.8	7.3
13. Japan	123	72	3.5	4.1
14. Pakistan	208	156	7.6	9.6
15. Australia	631	383	20.8	21.0
16. New Zealand	762	530	27.5	28.0

Source: F.A.O. production Year Book, 1969.

TABLE 21

World Catch of Fish By Important Countries,  
1958 to 1969

(Percentage distribution)

Country	1958	1965	1968	1969
1. Peru	2.9	13.9	16.4	14.6
2. Japan	16.6	12.9	13.6	13.7
3. Norway	4.3	4.3	4.4	3.9
4. United State	8.1	5.1	3.8	4.0
5. India	3.2	2.5	2.4	2.5
6. Spain	2.6	2.5	2.4	2.4
7. Canada	3.0	2.4	2.3	2.2
8. Denmark	1.8	1.6	2.3	2.0
9. Chile	0.7	1.3	2.1	1.7
10. South Africa	2.0	1.2	1.8	3.4
11. U. K.	3.0	2.0	1.6	1.7
Total for 11 countries	48.2	49.7	53.1	52.1
World Total	100.00	100.00	100.00	100.00

Source: The State Planning Board and Bureau of Economics & Statistics Statistics for planning Series, Agriculture, 1972, P. 90\*

TABLE 22  
Per Capita consumption of Fish in Important Countries

(Qty : In Grams per day)

Country	Period	Quantity	Period	Quantity	Period	Quantity
1. Peru	1957-59	15	1963-65	21	1966	22
2. Japan	1948-50	36	1957-59	75	1968	89
3. Norway	1948-50	67	1957-59	49	1968-69	54
4. United States	1948-50	14	1957-59	14	1968	17
5. India	1949-50	2	1957-59	3	1968-69	3
6. Spain	1952-53	27	1957-59	31	1968-69	38
7. Canada	1948-50	16	1957-59	16	1967	17
8. Netherlands	1948-49	17	1957-59	16	1968-69	15
9. Chile	1951-52	15	1957-59	21	1964-66	17
10. South Africa	1948-50	15	1957-59	22	1960-61	24
11. U.K.	1948-50	32	1957-59	28	1968-69	26
12. Ceylon	1952-53	15	1957-59	17	1968-	20
13. Australia	1948-50	12	1957-59	13	1967-68	18
14. Philippines	1953	32	1857-59	37	1968	54

Source: production Year Book, 1969, F.A.O.

TABLE 23

Export as Percent of Production † Coffee in India  
and Selected Countries 1955 and 1968

Country	1955	1968
1	2	3
Brazil	60.0	66.8
Ivory coast	...	87.4
Angola	54.1	95.4
Mexico	95.5	58.0
Indonesia	38.1	84.7
El. Salvador	98.6	84.7*
Guatemala	75.4	97.9
Costa Rica	80.0	89.6
Madagascar	—	80.6
Congo, Democratic Republic of	—	93.3
India	40.0	47.5
Ecuador	89.7+	74.2

\* Relates to 1967

+ Provisional

† Based on production and export figures available from the U.N. Statistical Year Book (1963 & 1969) and U.N. Year Book of International Trade Statistics, Vol.1, 1958 & 1968, Commerce Annual Number 1971.

TABLE 24

Exports as Percent of Production + of Tea in India  
And Selected Countries, 1955 and 1968

Country	1955	1968
1	2	3
India	64.6*	49.9
Ceylon	96.0	93.0
Indonesia	57.4	75.0
Kenya	—	93.3
Pakistan	25.0	—
Taiwan	57.0	77.3

\* Relates to 1957

+ Based on production and export figures available from the U. N. Statistical Year Book (1963 & 1969) and U. N. Year Book of International Trade Statistics, Vol. I 1958 & 1968.)

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TABLE 25

Export as Per cent of GNP in India and selected Countries, 1969

Country	Gross national product (Million US)	Exports (Million US)	Exports as per cent of GNP.
1	2	3	4
Algeria	4011(a)	934	23.3
Argentina	19955	1612	8.1
Australia	29,926	4217	14.1
Austria	12781	2412	18.9
Belgium	22880	10066	44.0
Bolivia	911	182	20.0
Brazil (b)	25837	1881	7.3
Canada	72668	14450	19.9
Ceylon	1898	322	17.0
Columbia	6039	608	10.1
Costa Rica	834	190	22.8
Cyprus	504	98	19.5
Denmark	13989	3020	21.6
Dominican Republic (b)	1169	164	14.0
El Salvador	945	202	21.4
Ethiopia (c)	1480	101	6.8
Finland	9138	1987	21.7
France	130640	15096	11.6
West Germany	164535	28800	17.5
Ghana (b)	1986	307	15.5
Greece (b)	7553	468	6.2
Guatemala	1645	262	15.9
Guyana	235	121	51.5
Honduras	647	167	25.8
Iceland	479	108	22.5
India	47000	1834	3.9
Indonesia (b)	7126	751	10.5
Iran (b)	8912	1879	21.1

Exports as Percent of GNP in India and Selected  
Countries, 1969.

Country	Gross national product (million U S )	Exports (million U S )	Exports as percent of G N P
Ireland	3504	891	25.4
Israel	4692	729	15.5
Italy	82330	11728	1.4
Jamaica	1064	289	27.2
Japan	165847	16003	9.6
Jordan (b)	552	40	7.2
Kenya	1432	191	13.4
Korea	6734	622	9.2
Kuwait	2764	1476	53.4
Libya (b)	2545	1867	73.4
Malawi	569	53	9.3
Malaysia	3707	1651	44.4
Matta	211	38	16.7
Mexico (b)	26744	1254	4.7
Morocco	3183	485	15.2
Netherlands	28271	9964	35.2
Newzealand	5327	1211	22.7
Nicaragua	728	155	21.0
Norway	9734	2204	22.6
Pakistan (b)	13877	720	5.2
Panama	971	116	11.9
Paraguay	543	51	9.2
Peru	5120	864	16.9
Philippines	8218	855	10.4
Poland (b)	25200	2858	11.3
Portugal	5642	853	15.1
Saudi Arabia (b)	3566(a)	1786	50.1
Sierra Leone (b)	379	96	25.3



TABLE 25 Contd.

## Exports as Percent of GNP in India and Selected Countries, 1969

Country	Gross national product (million US)	Exports (million US)	Exports as percent of G.N.P.
South Africa	15891	2194	13.8
Spain	28743	1900	6.6
Sudan (b)	1585	233	14.7
Sweden (b)	26023	4910	18.8
Switzerland	18689	4627	24.7
Taiwan	4758	1049	22.0
Thailand	4601	708	15.4
Trinidad and Tobago (b)	749	472	63.0
Tunisia	1137	166	14.6
Turkey	14167	537	3.8
U.A.R. (b)	1152	622	54.0
U.K.	110232	17614	16.6
U.S.A.	929100	38006	4.1
U.S.S.R. (d)	226500	10634	4.7
Uruguay (b)	1507	179	11.9
Venezuela (b)	9355	2537	27.2
Vietnam (c)	3022	16	0.5
Yugoslavia (d)	6800	1264	18.6
Zambia (b)	1313	762	58.0

Notes: (a) Refers to gross domestic product

(b) Refers to 1968 (c) Refers to 1967

(d) Refers to national material product.

Source: International Monetary Fund, International Financial Statistics (various issues)

TABLE 26

Efficiency of Railway Systems - An International  
Comparison

Country	Year of Net tone kilo- reference metres moved		
	1	2	3
1. Japanes National Railways	1969-70	22343	
2. Indian Government Railways (B.G.)	1970-71	15117	
3. Canadian National Railways	1969	13382	
4. Canadian Pacific Railways	1969	12863	
5. U.S. Class I Railroads	1969	10618	
6. French National Railways	1969	7566	
7. German Federal Railways	1969	7289	
8. Italian State Railways	1969	5569	
9. British Railways	1969	3118	

Source: Government of India, Ministry of Railways (Railway Board), Directorate of Statistics and Economics, a Review of the performance of the Indian Government Railways, March 1972.

TABLE 27

Road Lengths in India and Selected Countries in  
Relation to Area and Population, 1964  
(Road length in Km)

Country	Road length in kms per lakh of population		Road length per 100 sq. Kms. of area	
	Surfaced	All roads	Surfaced	All roads
1	2	3	4	5
New Zealand	3341	3698	31.1	34.4
Canada	2517	4302	4.8	8.1
U.S.A.	2288	3076	46.3	62.2
France	1566	2985	137.1	261.4
Sweden	1268	1268	21.4	21.4
Denmark	1223	1279	133.7	139.8
Japan	1013	1013	263.0	263.0
W. Germany	656	656	152.1	152.1
U. K.	635	635	140.0	140.0
Italy	385	385	64.6	64.6
Ceylon	160	193	25.9	31.1
Philippines	142	183	14.3	18.4
India	55	167	8.0	24.3
India (1968-69)	57.6	181	10.0	29.8

Source: Commerce Annual Number 1971, P.1099

TABLE 28

World Tourist Arrivals and Receipts, 1960 to 1970.

Year	Tourist Arrivals		Receipt from Tourism	
	Million Numbers	Index	Rupees crores	Index
1	2	3	4	5
1960	71.2	100.00	3250	100.00
1961	75.3	105.76	3460	106.46
1962	81.4	114.33	3813	117.32
1963	93.0	130.62	4175	128.46
1964	106.0	148.88	4777	146.98
1965	113.9	159.97	5554	170.89
1966	128.9	181.04	8043	247.48
1967	137.0	192.42	10598	326.09
1968	141.0	198.03	10800	332.31
1969	154.0	216.29	11625	357.69
1970	168.0	235.96	13050	401.54

Source: Government of India, Department of Tourism (Statistics Research) as quoted in Monthly commentary, Vol. XIII No: 6, January 1972, Blue Supplement, p. VIII.

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