



GOVERNMENT OF INDIA  
MINISTRY OF ENERGY  
(Department of Power)  
CENTRAL ELECTRICITY AUTHORITY

**PUBLIC ELECTRICITY SUPPLY  
ALL INDIA STATISTICS**

**1974-75**

**GENERAL REVIEW**

AS COMPILED BY THE COMMERCIAL DIRECTORATE  
CENTRAL ELECTRICITY AUTHORITY

## FOREWORD

As in previous years, the Central Electricity Authority is happy to present the General Review for the year 1974-75 incorporating in detail the salient features of the Electricity Supply Industry and the progress achieved in this field during the past several years. The various tables relating to generation, transmission, distribution and consumption were rearranged last year to enable quicker access to any specific information. The same arrangement has been continued this year also. As there was a demand for regionwise details, 2 new tables showing the details of generation, installed capacity and consumption on region-wise basis have been introduced. The confusion in the apportionment of system losses of B.M.B. and D.V.C. has been removed by showing them as separate entities. This has resulted in a slightly different figure of loss for the States which were receiving energy from these two systems.

The Authority expresses its gratitude to the various organisations in the public and private sectors of the power supply industry and to the industrial undertakings who have supplied the necessary data for compilation of this review. In some of the cases where the data has not been received, the compilation of the figures has had to be carried out on estimation. This publication could have been brought out earlier had the data been supplied by some organisations in time. The use of such statistical publication is greater if it is published within six months of the completion of the year to which it relates. Though we have brought down the time lag from 17 months to 14 months, we have still a long way to go. The co-operation of all Electricity Supply Undertakings is therefore solicited in furnishing statistical data to this Authority within the stipulated time. While all efforts have been made to ensure the accuracy of the information contained in this publication, the Authority accepts no responsibility for any error or omission therein.

K. P. TAIMNI

*Member (Economic & Commercial)*  
*Central Electricity Authority*

*JUNE, 1976*

*Bikaner House, New Delhi*

## CONTENTS

DESCRIPTION	PAGE No.
1. General Power Supply Position . . . . .	1
1.1 Installed capacity and generation . . . . .	1
1.2 Regional Grids . . . . .	1
1.3 Classification of Electricity Supply Undertakings . . . . .	1
2. Installed capacity & types of plants . . . . .	2
2.1 Addition and deletion of plants . . . . .	2
2.2 Ownership . . . . .	3
2.3 Hydro Power Stations . . . . .	3
2.4 Steam Power stations . . . . .	3
2.5 Nuclear power station . . . . .	4
2.6 Gas turbine & Diesel Power Station . . . . .	5
2.7 D. C. Generation . . . . .	5
2.8 Generation voltage & frequency . . . . .	5
2.9 Per capita Installed capacity & generation . . . . .	5
2.10 Details of capacity and generation in the non-utility sector . . . . .	5
3. Transmission and Distribution . . . . .	5
3.1 Transmission and Distribution lines . . . . .	5
3.2 Transformers . . . . .	6
4. Utilisation . . . . .	6
4.1 Sectorwise utilisation . . . . .	6
4.2 Pattern of utilisation . . . . .	7
4.3 Rural Electrification . . . . .	7
4.4 Irrigation pumpsets . . . . .	7
4.5 Industries . . . . .	7
4.6 Railways . . . . .	8
4.7 Per capita consumption . . . . .	8
5. Accidents . . . . .	8
6. Progress of electricity supply . . . . .	8
7. Financial data of Public Electricity Supply Undertaking—1973-74 . . . . .	8
7.1 General . . . . .	8
7.2 Financing . . . . .	9
7.3 Revenue . . . . .	9
7.4 Revenue—per kWh sold under each category . . . . .	10
7.5 Tentative financial results of the Govt. departments, State Elec. Boards, Municipalities, Companies, etc 1974-75 . . . . .	11
8. Electricity Tariffs . . . . .	11
8.1 General . . . . .	11
8.2 Average tariff rates . . . . .	11
9. Statewise Progress . . . . .	11

**TABLES**  
**TECHNICAL STATISTICS**

TABLE No.	DESCRIPTION	PAGE No.
<b>SECTION 1 : SALIENT FEATURES OF ELECTRICITY SUPPLY INDUSTRIES</b>		
1-1-1	Generating Capacity and Aggregate Maximum Demand . . . . .	15
1-1-2	Generation—All India and Per Capita . . . . .	16
1-1-3	Fuel consumption . . . . .	16
1-1-4	Authorised Public Electricity Supply Undertakings . . . . .	16
1-1-5	Transmission and Distribution Lines and Transformers . . . . .	17
1-1-6	Consumers and connected load . . . . .	17
1-1-7	Consumption by Auxiliaries, Transmission, Distribution and other losses and Per capita . . . . .	18
1-1-8	Towns and villages electrified . . . . .	
<b>SECTION 2 : INSTALLED PLANT CAPACITY AND GENERATION AS ON 31-3-75</b>		
<b>2-1 Utilities</b>		
2-1-1	Installed Plant Capacity and Generation by Type of Plant and Ownership . . . . .	23
2-1-2	Statewise Installed Hydro Plant Capacity and Generation by ownership . . . . .	25
2-1-3	Statewise Installed Steam Plant Capacity and Generation by ownership . . . . .	27
2-1-4	Statewise Installed Gas Turbine and Diesel Plant Capacity and Generation by ownership . . . . .	29
2-1-5	Statewise Installed Capacity Generation Sectorwise . . . . .	31
2-1-6	Statewise Installed Plant Capacity Aggregate maximum Demand and Energy Generated by Type of Plant . . . . .	35
2-1-7	Regionwise Prime Moverwise installed capacity and generation for the years ending 1971-72 to 1974-75 . . . . .	41
2-1-8	Statewise Aggregate maximum Demand by Ownership (MW) . . . . .	43
2-1-9	Shares of participating States in jointly-owned Power Stations . . . . .	44
2-1-10	Installed Plant Capacity, Energy Generated and Energy sent out by Central Government Projects . . . . .	45
2-1-11	Hydro Generating Units commissioned . . . . .	46
2-1-12	Steam Gas and Nuclear Generating Units commissioned . . . . .	46
2-1-13	Boilers commissioned . . . . .	47
2-1-14	Statewise fuel consumption . . . . .	48
2-1-15	Classification of Undertakings owning Generating Stations according to range of installed capacity . . . . .	50
2-1-16	Classification of Undertakings owning Generating Stations according to range of Generation . . . . .	52
2-1-17	Classification of Undertakings owning Generating Stations according to the range of Maximum Demand . . . . .	54
2-1-18	Classification of Hydro Power Stations according to the range of Installed Plant Capacity . . . . .	56
2-1-19	Classification of Hydro Power sets according to size . . . . .	57
2-1-20	Classification of Steam Power Stations according to the range Installed Plant Capacity . . . . .	58
2-1-21	Classification of Steam Power sets according to size . . . . .	59
2-1-22	Classification of Steam Power Stations according to Overall Thermal Efficiency . . . . .	60
2-1-23	Classification of Gas Turbine Power Stations according to the range of Installed Plant Capacity . . . . .	61
2-1-24	Classification of Gas Turbine sets according to size . . . . .	62
2-1-25	Classification of sets according to Type of Prime Movers . . . . .	63
2-1-26	Plant Capacity and Generation by A.C. & D.C. . . . .	66
2-1-27	Classification of Generating sets according to voltage of Generation . . . . .	66
2-2	<i>Selected Industries (Including Railways)</i> . . . . .	69



TABLE No.	DESCRIPTION	PAGE No.
2.2.1	Installed Generating Plant Capacity of Selected Industries <i>statewise</i> . . . . .	71
2.2.2	Statewise Energy Generated by Selected Industries . . . . .	73
2.2.3	Distribution of Energy Generation in Industrial Establishment according to the range of Installed Plant Capacity . . . . .	75
2.2.4	Zonewise Installed Plant Capacity and Generation by the Indian Railways . . . . .	76
2.2.5	Statewise Installed Plant Capacity and Generation by the Indian Railways . . . . .	77
<b>SECTION 3 : TRANSMISSION AND DISTRIBUTION OF LINES AND TRANSFORMERS AS ON 31-3-75 UTILITIES</b>		
3.1.1	Statewise length of Transmission and Distribution lines (Circuit Kilometres) . . . . .	81
3.1.2	Statewise length of Transmission and Distribution lines (Net addition) . . . . .	84
3.1.3	Statewise Installed Transformers Capacity and addition during the year . . . . .	87
3.1.4	Important Transformers commissioned . . . . .	90
<b>SECTION 4 : UTILISATION</b>		
4.1	<i>Utilities</i> . . . . .	95
4.1.1	Electricity Generated, Purchased, Sold and Energy losses . . . . .	97
4.1.2	Categorywise Energy Sales . . . . .	97
4.1.3	Sectorwise Energy sales to ultimate consumers . . . . .	98
4.1.4	Statewise Energy sales to ultimate consumers . . . . .	100
4.1.5	Energy sales by the State Electricity Board to ultimate consumers . . . . .	102
4.1.6	Energy Sales by the Private Sector to ultimate consumers . . . . .	104
4.1.7	Energy sales by Organisations other than Boards and Licensees and B.M.B. to ultimate consumers . . . . .	105
4.1.8	Regionwise Electricity consumption during the years 1971-72 to 1974-75 . . . . .	107
4.1.9	Annual per capita consumption of Electricity 1973-74 . . . . .	109
4.1.10	Regionwise Inter-state Transfer of Power . . . . .	111
4.1.11	Statewise Energy Generation, Transfer, consumption and losses . . . . .	114
4.1.12	Energy Generation Transfer, consumption and losses by the State Electricity Boards D.V.C. and D.E.S.U. . . . .	116
4.1.13	Statewise Installed Plant Capacity by Energy consumption per square Kilometre and per thousand of population . . . . .	120
4.1.14	Statewise Classification of consumers . . . . .	122
4.1.15	Statewise Classification of connected load . . . . .	126
4.1.16	Statewise Electrified Towns in the various population groups . . . . .	130
4.1.17	Statewise Electrified villages in the various population . . . . .	132
4.1.18	Statewise Pumpssets Energised . . . . .	135
4.2	<i>Selected Industries</i> . . . . .	138
4.2.1	Consumption in Selected Industries (inclusive of self generation)—by type of Industry . . . . .	138
4.2.2	Statewise Self Generation and Consumption in Selected Industries . . . . .	141
4.2.3	Statewise energy consumed in selected Industries . . . . .	144
<b>SECTION 5 : MISCELLANEOUS</b>		
5.1.1	Acquisition of Electricity Supply Undertakings . . . . .	149
5.1.2	Classification of Private Electricity Supply (i) Generating (ii) Generating and Purchasing (iii) Purchasing and Distributing . . . . .	150
5.1.3	Classification of Municipal Undertakings into (i) Generating (ii) Generating and Purchasing (iii) Purchasing and Distributing . . . . .	151
5.1.4	Electrical Accidents during 1973-74 . . . . .	152

TABLE No.	DESCRIPTION	PAGE No.
<b>SECTION 6 : PROGRESS OF ELECTRICITY SUPPLY (UTILITIES ONLY)</b>		
<b>6.1 ALL INDIA</b>		
6.1.1	Progress of Electricity Supply—Installed Plant Capacity & Aggregate Maximum Demand . . . . .	157
6.1.2	Progress of Electric Supply—Energy generated (gross) and kwh per KW . . . . .	160
6.1.3	Progress of Electricity Supply—Energy consumption and per capita consumption . . . . .	163
6.1.4	Annual per capita consumption —Statewise . . . . .	167
6.1.5	Index number of Public Electricity Supply—utilities . . . . .	168
<b>SECTION 7 : FINANCIAL STATISTICS—1973-74</b>		
7.1.1	Statement of Capital outlay (i.e.) original cost of plant, equipment etc. on Electricity supply Systems and Undertakings owned and operated by State Govt. Departments, State Electricity Boards, Power Corporation, and Local Authorities in the Public Sector and Companies, Partnership etc. in the Private Sector as on 31st March, 1974 (Capital Expenditure) . . . . .	171
7.1.2	Public Electricity Supply Industry—Consolidated Annual Accounts for the year ended 31-3-74. Capital Account 1973-74 . . . . .	172
7.1.3	Revenue Account—1973-74 . . . . .	175
7.1.4	Net Revenue and Appropriation Accounts—1973-74 . . . . .	180
7.1.5	General Balance Sheet as at 31-3-1974 . . . . .	183
7.1.6	Average Price of Electricity—1973-74 . . . . .	185
7.1.7	Some Important Financial Features for the years 1971-72 to 1973-74 . . . . .	185
7.1.8	Consolidated Capital Outlay by Ownership for the years 1969-70 to 1973-74 . . . . .	186
7.1.9	Consolidated Capital Outlay of Electricity Supply Undertakings for the years 1969-70 to 1973-74 . . . . .	186
<b>SECTION 8 : ELECTRICITY TARIFF</b>		
8.1	Domestic Light & Fans (30 kwh/month) . . . . .	189
8.2	Commercial Light & Fans (200 kwh/month) . . . . .	190
8.3	Agricultural 10 HP, 15% LF (817 kwh/ month) . . . . .	191
8.4	Small Industry 10 KW, 20% LF(1460 kwh/month) . . . . .	192
8.5	Large Industry, 1000 kW, 50% LF(365,000 kwh/month) . . . . .	193
8.6	Rates of Fuel Surcharge in P/kwh levied on H.T. Consumers by State Electricity Boards/Licensees as Taken while working out the Average Rates for Electricity Supply . . . . .	194
<b>SECTION 9 : PROGRESS OF ELECTRICITY SUPPLY STATEWISE</b>		
9.1.1	Progress of Electricity Supply—Andhra Pradesh . . . . .	197
9.1.2	Progress of Electricity Supply—Assam . . . . .	198
9.1.3	Progress of Electricity Supply—Bihar . . . . .	199
9.1.4	Progress of Electricity Supply—Gujarat . . . . .	200
9.1.5	Progress of Electricity Supply—Haryana . . . . .	201
9.1.6	Progress of Electricity Supply—Himachal Pradesh . . . . .	202
9.1.7	Progress of Electricity Supply—Jammu & Kashmir . . . . .	203
9.1.8	Progress of Electricity Supply—Karnataka . . . . .	204
9.1.9	Progress of Electricity Supply—Kerala . . . . .	205
9.1.10	Progress of Electricity Supply—Madhya Pradesh . . . . .	206
9.1.11	Progress of Electricity Supply—Maharashtra . . . . .	207
9.1.12	Progress of Electricity Supply—Manipur . . . . .	208
9.1.13	Progress of Electricity Supply—Nagaland . . . . .	209
9.1.14	Progress of Electricity Supply—Orissa . . . . .	210
9.1.15	Progress of Electricity Supply—Punjab . . . . .	211
9.1.16	Progress of Electricity Supply—Rajasthan . . . . .	212
9.1.17	Progress of Electricity Supply—Tamil Nadu . . . . .	213
9.1.18	Progress of Electricity Supply—Tripura . . . . .	214
9.1.19	Progress of Electricity Supply—Uttar Pradesh . . . . .	215
9.1.20	Progress of Electricity Supply—West Bengal . . . . .	216
9.1.21	Progress of Electricity Supply—D.V.C. . . . .	217
9.1.22	Progress of Electricity Supply—Central Government Projects . . . . .	218
9.1.23	Progress of Electricity Supply—Delhi . . . . .	218

## PUBLIC ELECTRICITY SUPPLY—ALL INDIA STATISTICS, 1974-75

### GENERAL REVIEW

#### 1. General Power Supply Position

##### 1.1. Installed Capacity and Generation

The total installed capacity of the utilities as at the end of the year under review was 18317 MW inclusive of 96 MW of Chola Power Station belonging to the Central Railway. The gross addition to the generating capacity in the utility sector was 1736.43 MW which includes 6.0 MW of Shanan Power House due to upgradation of two sets of 12.0 MW to 15.0 MW each and 3.0 MW of Bhira (Tata's) due to upgradation from 22.0 MW to 25.0 MW representing an increase of 10.42% over the total installed capacity at the end of the previous year. The gross energy produced was 70191 MKWH. The percentage increase in the total energy availability over the previous year was 4.77%. The net energy sold to the ultimate consumers after taking into account the consumption in station auxiliaries, losses in transformation, transmission and distribution and unaccounted for energy was 52631.64 MKWH showing an increase of 4.74% over the previous year.

The installed capacity and the Gross energy produced mainly by industries in the non-utility sector (to the extent the details were received) were 1964.3 MW and 6451.6 MKWH respectively, as compared to the previous year's figures of 1732.7 MW and 6067.5 MKWH.

The net addition to capacity this year was 1653 MW as compared to 382 MW added during the previous year. The percentage increase in energy availability was 4.74% as compared to an increase of 3.04% during the previous year. The Steam generation showed a substantial increase of 13.44% but hydro generation decreased by 3.79% mainly because of lower generation in Bhakra.

The total energy contribution from the two nuclear power stations went down from 23.96.36 MKWH to 2206.09 MKWH. The decrease was because of low output from Tarapur Atomic Power Station.

The generation from gas turbine plants increased to 449.3 MKWH as compared to 343.1 MKWH during the previous year, but diesel generation decreased marginally to 121.27 MKWH from 124.61 MKWH in the previous year.

The power position continued to be acute in several States, Restrictions and power cuts were imposed in all the States except Kerala, Orissa and Rajasthan. The overall picture of the power development in the country since 1951 is summarised in Table-1.

##### 1.2 Regional Grids

The entire country is divided into five regions for the purpose of co-ordinated operation of power plants—power supplies. The Northern Region consists of power supply in the States/Territories of Punjab, Jammu & Kashmir, Haryana, Himachal Pradesh, Delhi, Uttar Pradesh and Rajasthan. The constituents of Western Region are Madhya Pradesh, Maharashtra and Gujarat system. The power supply of Andhra Pradesh, Tamil Nadu, Kerala and Karnataka constitute the Southern Region. The Eastern Region comprises of Bihar, West Bengal, Orissa and D.V.C. systems. The North-Eastern region constitutes the power systems in Assam, Meghalaya, Manipur Tripura, Nagaland, Mizoram and Aunachal Pradesh. Inter-connections have been established between different power systems within the Region to permit flow of power and energy from one system to another. There were some inter-connections between the regions also. The quantum of inter-state transfer of energy was 11037.03 MKWH (including 11.54 MKWH of energy sold to Nepal and Bhutan) corresponding to 15.72% of the total energy produced by the utilities. The installed capacity and energy generated in the different regions are given in Table Nos. 2-1-7.

##### 1.3 Classification of Electricity Supply Undertakings

Out of the 21 States only Eighteen had the State Electricity Boards in operation to produce and distribute electricity. States of Manipur, Tripura and Nagaland have yet to establish their State Electricity

Boards. During the year Meghalaya State Electricity Board came into being w.e.f. December, 1974. Apart from Electricity Boards, some Municipalities and local authorities Government departments, co-operative and private licensees were also engaged in the supply of power. Details of agencies engaged in generation and distribution or distribution only are given below :—

Ownership	Generating & distributing	Generating, purchasing & distributing	Distributing	Total
<b>1. PUBLIC SECTOR</b>				
(a) State Elec. Boards . . . . .	..	18	..	18
(b) Elec. Deptt./Govt. Undertakings/Corps. . . . .	15	6	3	23
(c) Municipalities & local authorities . . . . .	..	5	31	36
<b>2. PRIVATE SECTOR</b>				
Companies including cooperatives . . . . .	2	17	61	80
<b>TOTAL</b> . . . . .	17	46	94	157

NOTE—Renusagar Power Supply Co. has not been included in the list of utilities.

During the year 15 private electricity undertakings were acquired either after the expiry of the license periods or through special laws. Out of existing private undertakings six large companies were operating in Calcutta, Ahmedabad and Bombay areas supplied 80.82% of total energy sold by private licensees.

Majority of the private licensees were operating in the States of Maharashtra (23), Gujarat (12), West Bengal (13) and Uttar Pradesh (14). The States Haryana, Himachal Pradesh, Manipur Tripura, Madhya Pradesh, Nagaland, Jammu & Kashmir and Orissa did not have any private licensees/cooperatives.

## 2. Installed capacities and types of plants

### 2.1 Addition and deletion of plants

During the year under review a total of 1736.43 MW of power plant was added in the utility sector This comprised 1170 MW of steam and 564 MW of hydro. At the same time sets with an aggregate capacity of 84.05 MW were taken out of service. This comprised 69.22 MW of steam, 1.06 MW hydro and 13.77 MW of diesel. The largest unit that was retired was of the capacity of 15.0 MW at Cossipore Station in Calcutta Electric Supply Corporation. The proportions of plant additions under hydro, steam and diesel to the total added plant capacity were 32.5%, 67.4% and 0.1% respectively. The aggregate installed capacity, energy generated, KWH per KW for different types of plants (as at the end of the year) are indicated below.

Type	Aggregate installed plant capacity as on 31-3-75 (MW)	Increase over previous year (%)	Gross energy generated 1974-75 (MKWH)	% increase over previous year (%)	KWH per KW of installed capacity
	2	3	4	5	6
Hydro . . . . .	7529.24	8.10	27875.18	(—)3.79	3702
Steam . . . . .	9752.54	12.72	39538.72	13.44	4054
Gas . . . . .	165.50	NH	449.27	30.93	2715
Diesel . . . . .	229.40	(—)4.81	121.27	(—)2.68	529
Nuclear . . . . .	640.00	NH	2206.09	(—)7.94	3447
<b>TOTAL</b> . . . . .	18316.68	9.38	70190.5	5.25	2833

## 2.2. Ownership

Out of the aggregate capacity of 18317MW at the end of the year, bulk of the plants were operated and maintained by the State Electricity Boards, State Governments/Undertakings and Central Govt./Undertakings. The break-up of the installed capacities, and energy generated by the different organisations were as follows :—

Ownership	Total installed capacity (MW)	%age of aggregate capacity	Total energy generated (gross) MKWH	%age of aggregate generation
1. State Elec. Boards . . . . .	12238.31	66.81	46100.01	65.68
2. State Govt./Undertakings . . . . .	1209.86	6.61	5512.15	7.85
3. Central Govt./undertakings/corporations . . . . .	3232.50	17.65	10862.77	16.48
4. Municipalities . . . . .	308.56	1.68	1434.96	2.04
5. Companies . . . . .	1327.43	7.25	6280.64	8.95
<b>AGGREGATE TOTAL</b>	<b>18316.68</b>	<b>100.00</b>	<b>70190.53</b>	<b>100.00</b>

## 2.3 Hydro Power Station

At the end of the year there were in all 116 Hydro stations having 376 sets, 71 stations had capacities above 10 MW and accounted for 98.71% of the total hydro plant capacity and their energy contribution was 98.84% of the total hydro energy produced. Four new hydro power houses with an aggregate capacity of 424.0 MW and 3 units with a total capacity of 131.0 MW were added as extension to existing stations. The position for hydro stations as summarised is as follows :—

	1973-74	1974-75	%age increase over 1973-74
No. of hydro stations . . . . .	113	116	2.65
Aggregate plant capacity (MW) . . . . .	6965.30	7,629.24	8.10
Total energy generate (MKWH) . . . . .	28971.84	27,875.18	(- )3.79
Aggregate plant factor (%) . . . . .	47.48	42.26	(- )10.99

The consumption by station auxiliaries in all the hydro power houses was 135.0 MKWH forming to 0.5% of the total hydro generation of 27875.2 MKWH.

## 2.4. Steam Power Station

There were in all 94 steam power stations (excluding nuclear) having 313 sets. Out of these 44 stations had installed capacities exceeding 50 MW and accounted 93.12% of capacity and 94.58% of energy produced. Two new stations with a capacity of 170.0 MW and 9 units with a capacity of 1000.0 MW as extension to existing stations were added during the year. The position of steam power stations is summarised below :—

	1973-74	1974-75	%age increase over 1973-74
(i) No. of Stations . . . . .	95	94	(- )1.05
(ii) Aggregate installed capacity (MW) . . . . .	8651.76	9762.54	12.72
(iii) Total energy generated (gross) . . . . .	34853.08	39538.72	13.44

	1973-74	1974-75	%age increase over 1973-74
(iv) Installed capacity of plants above 50 MW . . . . .	7963.50	9081.50	14.04
(v) Energy generated from plants above 50 MW . . . . .	32841.95	37397.30	13.87
(vi) KWH/KW installed from plants above 50 MW . . . . .	4124	4118	(- ) 0.15
(vii) Fuel consumed			
(a) (i) Coal (Tonnes) . . . . .	18306348	21678089	18.41
(ii) Calorific value Kilo cal./Kg. . . . .	5265	4973	..
(b) (i) Lignite (Tonnes) . . . . .	2875000	2448000	(- ) 14.92
(ii) Average calorific value k. cal./Kg. . . . .	2368	2440	..
(c) (i) Wood (Tonnes) . . . . .	11707	15105	29.03
(ii) Average calorific value k. cal./Kg. . . . .	1250	..	..
(d) (i) Furnace oil (Kilo litres) . . . . .	1762164	1715955	(- ) 2.62
(ii) Average calorific value kilo-cal./liter . . . . .	9798	9461	..
(c) (i) Overall thermal efficiency for plants above 50 MW . . . . .	25.75	26.16	1.59
(f) Consumption (Coalequivalent) at 5000 k. cal./Kg. . . . .	17384946	21793775	25.36

Nine power stations reported thermal efficiency ranging between 20 to 25 percent and generated 6289.85 MKWH (15.91%) 22 stations with efficiencies between 25 to 30 per cent generated 16740.82 MKWH (42.34%). Only 8 stations operated at an efficiency of more than 30 per cent and produced 11798.50 MKWH (29.84%). Six power houses with an aggregate capacity of 900.0 MW generated between 4000 to 4500 KWH/KW, 4 stations with an aggregate capacity of 501.80 MW produced between 4500 to 5000 KWH/KW. Twenty four stations with capacity of 3,145.10 MW which produced more than 5,000 KWH/KW. The maximum output of 8038 KWH per KW was achieved by Nellore Station which has an installed capacity of 30 MW.

For the entire country 4,130.28 MKWH corresponding to 9.5% of gross energy generated was consumed in power station auxiliaries.

#### 2.5. Nuclear power stations

There are only two nuclear power stations in the country : one in Rajasthan with a capacity of 220 MW and the other at Tarapore in Maharashtra with a capacity of 420 MW. The total generations from these two was 2206 MKWH which was lower by 190.27 MKWH than the previous year's generation. The energy consumed in station auxiliaries was 210.39 MKWH corresponding station to 9.5%. The performance of the two stations as compared to the previous year are as follow :—

Name of the P/H	Generation (MKWH)		
	1973-74	1974-75	%age increase over the year 1973-74
1	2	3	4
1. Tarapore . . . . .	1908.83	1457.83	(- ) 23.63
2. Rajasthan Atomic Power Project . . . . .	487.53	748.26	53.48
TOTAL . . . . .	2396.36	2206.09	(- ) 7.94

### 2.6. Gas turbine and diesel power stations

Five gas turbine stations with an aggregate capacity of 165.50 MW were in operation and produced 449.27 MKWH, an increase of 30.93% over the previous year was registered. The station auxiliaries consumption was 10.17 MKWH (2.3%). These stations were located in five states viz. Andhra Pradesh, Assam, Gujarat, Rajasthan and Uttar Pradesh, the installed capacities of which being 20.0, 69.0, 54.0, 10.0 and 12.5 MW respectively.

The diesel plants were mostly concentrated in the States of Assam, Bihar, Gujarat, Punjab, Rajasthan, West Bengal and in Delhi. The position regarding diesel plants is indicated below :—

No. of generating Stations	244
No. of sets	670
Aggregate capacity of the Sets	229.40 MW
Total energy generated	121.27 MKWH
Percentage increase over the previous year	(—) 2.68
Consumption in station auxiliaries	5.35 MKWH

The consumption in station auxiliaries was 5.35 MKWH corresponding to 4.0% of the total generation by Diesel Plants.

### 2.7 D. C. Generation

There are still a few generating plants producing direct current and they are situated in Dharbanga (Bihar), Ambala (Haryana), Dobhoi (Gujarat), Dibrugarh (Assam) and Malda (W. Bengal).

The total capacity of the D.C. plants was 3.42 MW and produced 3.10 MKWH.

### 2.8. Generation voltage and frequency

The generation voltage varied from 230 volts to a maximum of 33 KV on case of A.C. sets. The most common voltage however was 11 KV. The standard frequency was 50 Hz. except for one power house namely Sivasmundram (Karnataka) plant which is still producing power at 25 Hz. The voltage range in D.C. generating sets was from 110 to 500 volts.

### 2.9. Per capita installed capacity and generation

The average installed capacity per thousand of population was 31.13 KW as compared to 28.90 KW in the previous year. The average installed capacity was 5.6 KW per sq. Km. as compared to 5.1 KW in 1973-74. The per capita generation was 130.31 KWH as compared to 126.26 KWH in the previous year

### 2.10. Details of capacity and generation in the non-utility sector

Apart from generation by the utilities a number of industrial units were also having their own generating stations either for the purpose of captive generation or for emergencies. The coverage of details about self generation was not complete, as it was difficult to collect the data from the thousands of industrial establishments having their own generating sets. However, data from most of the major industries were received. Based on the data received from 1202 industrial establishments, the total installed capacity in the non-utilities was 1964.3 MW and the gross generation was 6,451.6 MKWH. The break-up on the basis of prime movers was 1,706.7 MW of steam, 2.6 MW of hydro and 255.0 MW of gas and diesel.

## 3. Transmission And Distribution

### 3.1. Transmission and distribution lines

The power produced in the various generating stations are evacuated through an extensive transmission system. The maximum voltage in service during the year was 230 KV. The other standard voltages are 132 KV, 110 KV and 66 KV though there are some sections operating at different voltages. The power supplied to consumers also varied from 220 KV to 230 V depending upon the quantum consumed. The

table below gives the extent of transmission and distribution lines of different voltages as at the end of the year.

	1973-74 (Circuit kms.)		1974-75 (Circuit kms.)		Percentage increase over previous year	
	O.H.	U.G.	O.H.	U.G.	O.H.	U.G.
220/230 KV . . . . .	13933	—	18054	—	29.59	—
132/110 KV . . . . .	45041	—	46755	—	3.81	—
78/66 KV . . . . .	24252	—	24731	—	1.98	—
44/33/22KV . . . . .	114530	1360	125633	1436	9.89	5.59
11/6.6 KV . . . . .	477713	9288	500861	9177	4.85	— 1.20
3.3/2.2 KV . . . . .	3806	655	2031	452	— 40.64	— 31.00
Upto 500 volts . . . . .	855520	—	852718	—	4.35	—
		Segregation of U.G. Cables				

The densities of transmission lines 66 KV and above and distribution lines 500 V and below were 0.03 and 0.27 KM per sq. kilometre respectively. There were 1.28 km. of transmission lines 66 KV and above for every MKWH generated and 29.11 kms. of MV and LV lines for every million kWh consumed.

### 3.2. Transformers

There were 1114 step-up transformers with an aggregate capacity of 23,164.31 MVA corresponding to 1.26 KVA per KW of installed capacity. There were 7900 stepdown transformers with a total capacity of 52570.28 MVA corresponding to 2.87 KVA per KW of installed capacity. As at the end of the year there were 343413 distribution transformers with an aggregate capacity of 25883.68 MVA.

## 4. Utilisation

### 4.1. Sectorwise Utilisation

Out of the 70190.53 MKWH gross energy generated 4,130.28MKWH was consumed in station auxiliaries. The net energy available was 66199.18 MKWH after taking into account the purchase of 138.93-MKWH from non-utilities. The transmission, transformation and distribution losses and energy unaccounted for amounted to 13556.00 MKWH corresponding to 20.48% of the total energy available. The corresponding percentage for the previous year was 20.46.

Total energy sold during the year to the ultimate consumers by the utilities was 52631.64 MKWH showing an increase of 4.74% over the previous year. In addition to it and a sale of 11.54 MKWH was made to Nepal and Bhutan. Most of the sales was by the Electricity Boards and the balance by private licensees municipalities, Govt. Deptts., corporations etc. The details of sales by different agencies are given below:—

Ownership (1)	Energy sold to ultimate consumers (MKWH) (2)	Increase over previous year (%) (3)
(i) Electricity Boards . . . . .	37016.99	8.44
(ii) Govt. Deptts. Undertakings including D.V.C. . . . .	4072.88	21.36
(iii) Municipalities, DESU . . . . .	1977.19	— 28.62
(iv) Private Licensees . . . . .	9564.60	— 4.22
TOTAL . . . . .	52631.64	4.74



#### 4.2. Pattern of utilisation

The number of new consumers added to the system was 1.37 million bringing the total to 20.79 million at the end of the year, an increase of 7.05% over 1973-74. The percentages of sales to different categories of consumers were as follows :—

Category	No. of consumers (Thousand)	Connected load (MW)	Energy consumed (MKWH)	%age of total of consumption	% increase in consumption over previous year
Domestic . . . . .	14191	8447.90	5,172.79	9.83	11.37
Commercial . . . . .	3019	2741.65	3,081.57	5.85	3.14
Industrial . . . . .	741	15529.88	32,690.28	62.12	0.64
Public Lighting . . . . .	141	245.67	579.71	1.10	4.86
Traction . . . . .	0.05	592.19	1,531.17	2.91	0.02
Agricultural . . . . .	2622	10422.81	7,762.73	14.75	23.01
Public Water Works . . . . .	21	496.97	1227.04	2.33	9.85
Miscellaneous . . . . .	52	806.81	586.35	1.11	(—)5.76
<b>TOTAL</b>	<b>20786</b>	<b>39285</b>	<b>52631.64</b>	<b>100.00</b>	<b>4.74</b>

#### 4.3. Rural Electrification

The total number of villages electrified during the year was 15465 bringing the total number of electrified to 172169. Out of the total number (579062) towns and villages existing in the country. All the towns except 6 were having electricity and the percentage of villages electrified stood at 29.89. Haryana, Tamil Nadu, Kerala and Punjab led in this field. Percentage of electrified villages being 100.0, 98.0, 93.2 and 63.3 respectively.

#### 4.4. Irrigation pumpsets

The number of pumpsets supplied with electricity during the year was (170055) bringing the total in the country to 2611657 sets. The largest number of pumpsets was in Tamil Nadu. The average H. P. per pumpset was 5.35 and average annual consumption of energy per pumpset was 2972.34 KWH.

#### 4.5. Industries

As in the previous years the largest consumption was in industrial sector. The total consumption was 39141.9 MKWH inclusive of self generation 6451.6, the percentage increase over the previous year being 15.38%. There were 12436 consumers taking power at high voltage their share being 85.1% out of the total energy received from public utilities. The rest was consumed in small industries taking power at medium and low voltage (below 500 V). The type of industries which consumed more than one billion kWh during the year were as follows :—

Category	Consumption 1974-75 (Mkwh)	Consumption 1973-74 (Mkwh)	Percentage increase
1. Aluminium (Primary)	2917.47	2756.33	5.85
2. Cement (Primary)	1509.08	1219.56	23.73
3. Chemicals	2028.33	1544.61	31.32
4. Fertilizers	3047.62	3114.81	(—) 2.16
5. Iron & Steel (Primary)	3825.47	3432.98	11.43
6. Paper	1188.39	1058.85	12.23
7. Textiles	4393.01	4055.60	8.32

#### 4.6. Railways

The consumption by Railways for Traction was 1531.2 MKWH which corresponded to increase of 0.02% over the previous year. The Railways had their own captive plants with an installed capacity of 64.27 MW and produced 36.30 MKWH. Excluding Chola Power Station which has been included in the utilities.

#### 4.7. Per capita consumption

The per capita consumption of energy including consumption through self-generation rose marginally from 97.48 KWH in 1973-74 to 98.99 KWH during the year under review. The utilisation was 16043 KWH/sq. kilometres as compared to 15317 KWH in the previous year. Among the States the Gujarat had the highest per capita consumption of 177.30 KWH. The State of Gujarat, Haryana, Karnataka, Maharashtra, Punjab, Tamil Nadu & West Bengal had per capita consumption of 100 and more.

### 5. Accidents

The total number of reported accidents during the year was 3527 out of which 1430 were human fatal accidents as compared to 1251 reported last year. There were 493 fatal accidents to animals and 1540 human non-fatal accidents. (64 accidents involving human and animals).

### 6. Progress Of Electricity Supply

The progress in the matter of electricity generation and supply for the country as a whole are furnished in Section-6. These tables indicate growth in installed capacities, generation from different sources, consumption by different categories of consumers from 1947 to date.

### 7. Financial Data Of Public Electricity Supply Undertakings—1973-74

#### 7.1. General

This Section gives consolidated financial data viz. Capital Expenditure Operating Revenue, Operating Expenses, etc. of the Electricity Supply Undertakings as compiled from their Annual Statutory Accounts. Whenever the accounts were not received figures have been estimated or the previous years figures have been repeated.

At the end of the year Electricity Supply Industry held gross assets worth Rs. 45486.8 Million as against Rs. 41974.2 Million in the previous year, an increase of 8.4%. This takes into account the data received from 161 out of 172 undertakings owned and operated by the State Electricity Boards, Government Departments, Power Corporations, Municipalities and Private Licensees.

The break-up of the assets according to ownership-wise is given below :—

	1972-73	1973-74	Percentage increase
	(Rupees in Million)		
1. Governments, Boards and Corporations . . . . .	37388.3	40,825.8	9.2
2. Municipalities . . . . .	1372.5	1,537.8	12.0
3. Private Companies . . . . .	3213.4	3,123.2	(—) 2.8
TOTAL . . . . .	41974.2	45,486.8	8.4

The category-wise break-up of the aforesaid figures under different heads of generation, transmission, distribution, etc. is also given below :—

	1972-73	1973-74	Percentage increase
	(Rupees in Million)		
Generation . . . . .	17277.9	18154.7	5.1
Transmission . . . . .	7111.2	7507.9	5.6
Distribution . . . . .	15577.5	17593.0	12.9
General . . . . .	2007.6	2231.2	11.1
<b>TOTAL</b>	<b>41074.2</b>	<b>45486.8</b>	<b>8.4</b>

The average cost per kW installed works out Rs. 2873 in 1974 as against Rs. 2696 in 1973.

## 7.2. Financing

Under the existing provisions of the Electricity (Supply) Act, 1948 the assets of the State Electricity Boards are made up of the borrowings from the public, financial institutions & the State Governments. The private licensee's assets are financed from the share capital as well as debentures and secured loans.

The capital accounts of the private companies for the year 1973-74 indicate that the equity and preference share capital and loans were Rs. 4373 Million and Rs. 93.5 Million respectively, corresponding figures for the previous year being Rs. 458.8 Million and Rs. 96.2 Million respectively at the end of 1972-73 (Table 7.1.2).

## 7.3. Revenue

7.3.1 The revenue realised by sale of electricity during the year indicates general overall increase in all categories of service, as per details given below :—

Sale of Electricity	1972-73	1973-74	Percentage to total revenue in 1973-74
	(Rupees in Million)		
(i) Domestic and residential . . . . .	1117.4	1247.5	12.4
(ii) Commercial . . . . .	698.0	759.8	7.6
(iii) Industrial . . . . .	3458.0	3833.8	38.1
(iv) Public Water Works & Sewage Pumping . . . . .	293.6	131.7	1.3
(v) Traction . . . . .	181.4	184.5	1.8
(vi) Public Lighting . . . . .	131.1	136.0	1.3
(vii) Irrigation/Agriculture . . . . .	912.9	1006.1	10.0
(viii) Other revenue . . . . .	2158.1	2765.7	27.5
<b>TOTAL</b>	<b>8951.4</b>	<b>10065.1</b>	<b>100.0</b>

7.3.2 The total operating revenue and expenses during the year (Ownership-wise) are given below :—

	1972-73	Percentage	1973-74	Percentage
<b>A. REVENUE</b>				
			(Rupees in Million)	
1. Government Deptts./State Elec. Boards/Power Corporations	6687.9	74.71	7615.5	75.66
2. Municipalities	560.4	6.26	628.5	6.25
3. Companies	1703.1	19.03	1821.1	18.09
<b>TOTAL</b>	<b>8951.4</b>	<b>100.00</b>	<b>10065.1</b>	<b>100.00</b>

	1972-73	1973-74
<b>B. OPERATING EXPENSES</b>		
	(Rupees	in Million)
1. Government Deptts./State Elec. Boards/Power Corps.		
(i) Expenses (O & M)	4038.1	4928.2
(ii) Depreciation	1126.9	1147.6
(iii) Interest Charges Paid	1524.7	1776.4
<b>TOTAL</b>	<b>6689.7</b>	<b>7852.2</b>
2. Municipalities		
(i) Expenses (O & M)	398.2	481.4
(ii) Depreciation	33.6	37.7
(iii) Interest Charges Paid	62.3	57.3
<b>TOTAL</b>	<b>494.1</b>	<b>576.4</b>
3. Companies		
(i) Expenses (O & M)	1365.0	1512.0
(ii) Depreciation	91.2	87.2
(iii) Interest Charges Paid	65.1	64.8
<b>TOTAL</b>	<b>1521.3</b>	<b>1664.0</b>
<b>GRAND TOTAL (1+2+3)</b>	<b>8705.1</b>	<b>10092.6</b>

#### 7.4. Revenue per KWH sold under each Category

The average overall revenue by sale of electricity (excluding misc. revenue) for the year 1973-74 was 14.53p. per unit. Table 7.1.6 gives the revenue realised by each category of consumers for the electricity supply industry as a whole.

**7.5. Tentative Financial results of the Government Departments, State Electricity Boards, Municipalities, Companies, etc.—1974-75.**

A few broad particulars of the tentative financial results of operation of the Government Departments, State Electricity Boards, Municipalities, Companies etc. for 1974-75 are summarised below :—

	State Elec. Boards/ Depts./power corps.	Municipalities	Private companies	Total
		(Rupees in million)		
1. Total Capital fixed assets in use . . . . .	43021.0	1623.5	3181.8	47826.3
2. Gross Operating revenue . . . . .	8589.8	707.9	2317.9	11615.8
3. Total operating expenses including depreciation & interest charges paid . . . . .	8728.4	652.1	2112.3	11492.8
Surplus/Deficit . . . . .	(-)138.6	(+)55.8	(+)205.6	(+)122.8

**8. ELECTRICITY TARIFF**

**8.1. General**

Table No. 8 shows the average rates of electricity from 1974-75 with duty tax applicable in different State Electricity Board/Public Electricity Deptt./major licensees of the country for some typical categories of consumers. During the period from April, 74 to March, 75 (1974-75) several changes in electricity tariff were made effective in the country. The State Elec. Board of Andhra Pradesh, Assam, Bihar, Gujarat, Haryana, Karnataka, Kerala, Madhya Pradesh, Maharashtra, Orissa, Punjab, Rajasthan, Tamil Nadu, Uttar Pradesh & West Bengal increased their tariff with effect from 1-6-74, 1-1-75, 16-4-74, 1-7-74, 1-9-74, 20-5-74, 1-7-74, 1-8-74, 1-7-74, 1-1-75, 1-5-74, 1-7-74, 9-10-74, 12-10-74 & 30-11-74 respectively. Tariff were also increased by A & N Islands, Goa, Daman & Diu, Manipur & Pondicherry, w.e.f. 1-6-74, 1-1-75, 15-1-75, 1-8-74 respectively. The major licensees such as Ahmadabad has increased their tariff w.e.f. 2-6-74. D.V.C. increased their tariff twice in the year w.e.f. 1-8-74 & 1-12-74.

**8.2. Average Rates**

The minimum and maximum rates applicable for the following categories in different State Electricity Boards are given below :—

Sl. No.	Category	Minimum		Maximum	
		Rate per KWH	State Elec. Board	Rate per KWH	State Elec. Board
1	Domestic lights & fans 30 KWH per month . . . . .	20.00	Himachal Pradesh (Rural)	40.00	Bihar, Assam, W. Bengal & U. P. (Rest)
2	Commercial lights & fans 200 KWH per month . . . . .	28.50	Orissa	67.50	Tamil Nadu*
3	Agricultural 10 HP, 15% LF 817 KWH p.m. . . . .	9.00	Himachal Pradesh & Kerala	22.00	West Bengal
4	Small Industry 10 KW, 20% LF 1460 KWH p.m. . . . .	7.67	Kashmir	30.00	Tamil Nadu*
5	Large Industry 1000 KW 50% L.F. 365,000 KWH p.m. . . . .	3.79	Kashmir	25.25	Tamil Nadu*

\*An additional levy of 2 p. per KWH will be charged from the consumers of the metropolitan area of Madras City.

**9. STATEWISE PROGRESS**

This section indicates the progress of each State regarding installed capacity, electricity generation from different sources, electricity consumption by different categories of consumers, length of Transmission lines & transmission and distribution losses from the year 1951 to date (last year of each plant). The Table also includes similar details for the D.V.C. and Central Govt. Power projects and the Union Territory of Delhi.

**TECHNICAL STATISTICS**  
**SECTION 1**  
**SALIENT FEATURES OF ELECTRICITY SUPPLY INDUSTRY**

TABLE NO. 1.1.1  
Generating capacity & Aggregate Maximum Demand

Year	31-12-50 @@	31-12-55 @@	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8
Generating Capacity (M.W.)	@@ Nearest dates to beginning of First & Second Plans for which data available.						
(1)							
(a) Utilities :							
Hydro . . . . .	559.29	939.48	1916.66	4123.75	5906.91	6965.30	7529.24
Steam . . . . .	1004.43	1546.81	2436.26	4417.11	6640.34	8651.76	9752.54
Diesel . . . . .	148.80	208.53	300.14	352.16	276.02	241.00	229.40
Gas Turbine . . . . .	..	..	..	134.00	134.00	165.50	165.50
Nuclear . . . . .	..	..	..	..	..	640.00	640.00
TOTAL	1712.52	2694.82	4653.06	9027.02	12957.27	16663.56	18316.68
(b) Non-Utilities :							
(i) Self generating Industry . . . . .	587.85	723.51	1001.37	1082.36	1277.47	1732.70	1964.30
(ii) Railways . . . . .	..	..	..	63.64	61.93	59.81	64.27
TOTAL	587.85	723.51	1001.37	1146.00	1339.40	1792.51	2028.57
ALL INDIA GRAND TOTAL	2300.37	3418.33	5654.43	10173.02	14296.67	18456.07	20345.25
(2) Aggregate Maximum demand (M.W.)	1205.19	1989.77	3545.93	7306.23	10871.06	14478.71	15576.65

TABLE NO. 1.1.2  
Generation—All India & per capita

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
1	2	3	4	5	6	7	8
Generation (Gross) (Million kWh)							
(i)							
(a) (Utilities)							
Hydro . . . . .	2859.70	4294.88	7836.6	15224.97	20722.7	28971.84	27875.18
Steam . . . . .	2779.05	5133.90	8732.4	17372.18	26393.7	34853.08	39538.72
Diesel . . . . .	219.65	233.36	368.0	323.68	193.5	124.61	121.27
Gas Turbine . . . . .	..	..	..	69.30	123.4	343.14	449.27
Nuclear . . . . .	..	..	..	..	..	2396.36	2206.09
TOTAL	5858.40	9662.14	16937.0	32990.13	47433.3	66689.03	70190.53
(b) (Non-Utilities)							
(i) Self generating Industry . . . . .	1655.57	2209.51	3186.10	3733.19	4136.1	6,067.47	6451.65
(ii) Railways . . . . .	..	..	..	101.94	72.1	39.63	36.30
TOTAL	1655.57	2209.51	3186.10	3835.13	4208.2	6107.10	6487.95
ALL INDIA GRAND TOTAL	7513.97	11871.65	20123.12	36825.25	51641.50	72796.13	76678.48
(ii) Per capita Generation-kWh (utilities & Non-utilities)	20.8	30.9	43.9	73.81	97.82	126.26	130.31

TABLE NO. 1.1.3

## Fuel Consumption

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
1	2	3	4	5	6	7	8
<b>Fuel consumption</b>							
<b>(a) In steam power stations</b>							
(i) Coal (Tonnes)	2478,200	4067,350	6699,590	10273,634	13907,758	18306,348	21676,089
(ii) Lignite (Tonnes)	..	..	..	2184,106	2730,000	2875,000	2446,000
(iii) Wood (Tonnes)	..	..	..	14,196	22,106	11,707	15,105
(iv) Furnace Oil (k. Litres)	..	..	..	422,848	1125,303	1762,164	1919,100
<b>(b) Diesel Power Stations</b>							
(i) Diesel Oil (K. Litres)	85,181	83,124	122,052	185,878	68,677	47,058@	46,669@

@—This includes Diesel oil used by Gas Turbines also.

TABLE NO. 1.1.4

## Authorised Public Electricity Supply Undertakings\*

Year	31-12-50	31-12-55	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8
<b>(a) Public Sector :</b>							
(i) Generating & Distributing					17	15	15
(ii) Generating, Purchasing & Distributing	269	69	74	80	32	99	29
(iii) Purchasing & Distributing					32	33	33
SUB-TOTAL (a)	269	69	74	80	81	77	77
<b>(b) Private Sector :</b>							
(i) Generating & Distributing					9	3	2
(ii) Generating, Purchasing and Distributing	316	301	263	180	35	21	17
(iii) Purchasing and Distributing					109	71	61
SUB-TOTAL (b)	316	301	263	180	153	95	80
GRAND TOTAL	585	370	337	260	234	172	157

\*The figures have been changed from 1965-66 and onwards by treating the State Electricity Board and Government Electricity Departments in the same State as two separate Undertakings.



TABLE NO. 1.1.5  
Transmission & Distribution Lines & Transformers

Year as on	31-12-50	31-12-55	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8
(i) Transmission & Distribution Lines (Circuit Kilometres)							
(a) 220 kV/230 kV	..	..	1099	3772	10225	13932	18054
(b) 132/110 kV	2708	7376	12802	24718	34056	45041	40755
(c) 78/66 kV	5562	7798	12805	17544	21239	24252	24731
(d) 44/33/22 kV	6891	12047	29154	59043	82449	115890	127069
(e) 15/11/6.6/3.3/2.2 kV	14110	39200	102027	185969	268951	491462	512521
(f) Less than 500 V.	N.A.	N.A.	N.A.	250658	419387	855520	892718
(ii) Transformers							
(a) Step up Numbers of Transformers	332	621	824	952	1155	1548	1114
(b) Aggregate capacity MVA Step down (Secondary above 500 V.)	972.81	1681.92	4644.33	9514.00	14749.44	20792.40	23164.31
No. of Transformers	669	1107	2106	3530	4871	7310	7900
Aggregate Capacity MVA	1366.76	2729.03	7400.38	16269.15	27999.00	45491.21	52570.28
(c) Distribution (Secondary 500 V. & below)							
Numbers of Transformers	10767	19740	57314	92728	173910	304428	343413
Aggregate capacity MVA	834.37	1654.15	3726.93	7010.42	12021.62	22734.61	25883.68
(d) Grand Total							
Nos. of Transformers	11768	21468	60,244	97210	179936	313286	352427
Aggregate capacity MVA	3173.94	6065.10	15771.64	32793.57	54770.06	89018.22	101618.2

TABLE NO. 1.1.6  
Consumers (in thousands) and Connected Load (in M.W.)

Category	31-12-50**	31-12-56**	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
(i) Domestic							
(a) Consumers	1157	1930	3667	6379	8388	13238	14191
(b) Connected Load	733.86	1225.68	2234.79	3689.45	4803.08	7927.03	8447.90
(ii) Commercial							
(a) Consumers	259	430	672	1409	1931	2871	3,019
(b) Connected Load	401.30	365.68	526.07	1022.75	1975.16	2565.76	2741.65
(iii) 1. Industrial Power upto 650 Volts. including W.W. & S.P.							
(a) Consumers	..	..	..	..	461	733	750
(b) Connected Load	..	..	..	..	3944.99	5968.32	6937.62

TABLE No. 1.1.6—*contd.*

Category	31-12-50**	31-12-56**	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
<b>2. Industrial Power above 650 Volts, including Railway</b>							
(a) Consumers . . . . .	63£	99£	179£	330£	10	12	12
(b) Connected Load . . . . .	1581.68 @	2455.39 @	4561.92 @	6749.09 @	6421.64	9107.58	9681.13
(iv) Public Lighting							
(a) Consumers . . . . .	2	3	15	51	52	162	140
(b) Connected Load . . . . .	20.67	33.26	76.16	104.52	146.26	237.60	246.87
(v) Agriculture (Pumping)							
(a) Consumers . . . . .	20	47	196	509	1078	2391	2622
(b) Connected Load . . . . .	117.56	242.60	826.53	2037.35	4219.56	9494.21	10422.81
(vi) Miscellaneous							
(a) Consumers . . . . .	*	*	*	*	16	21	52
(b) Connected Load . . . . .	*	*	*	*	549.46	308.42	806.81
(vii) Totals							
(a) Consumers . . . . .	1501	2509	4729	8678	1193	19428	20766
(b) Connected Load . . . . .	2835.07	4322.61	8225.47	13603.16	22060.15	35608.92	39285.09

NOTES :— £ Includes figures for item No. (iii)(1)a.

@—Includes figures for item No. (iii) (1)b.\*—included in Commercial, \*\*—Nearest available data for beginning of first & Second Plan. W.W. & S.P.—Water Works and Sewage Pumping.

TABLE No. 1.1.7

*Consumption Auxiliaries, Transmission, Distribution and other Losses & per capita*

Year 1	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
	2	3	4	5	6	7	8
(i) Gross Generation (Utilities) M. kWh.	5858.40	9662.14	16937.00	32990.13	47433.30	66889.03	70190.53
(ii) Energy used by power station auxiliaries (M. kWh)	218.32	386.45	721.86	1647.46	2532.14	3615.43	4130.28
(iii) Generation (Utilities) (Net) (M. kWh)	5640.08	9275.69	16215.14	31342.67	44901.16	63073.60	66060.25
(iv) Energy purchased from non-utilities (M. kWh)	17.74	18.64	223.04	12.92	96.29	114.86	138.93
(v) Sales (M. kWh)							
(a) Domestic light & small power . . . . .	594.08	934.12	1492.29	2355.14	3184.19	4644.55	5172.79
(b) Commercial light and small power . . . . .	330.02	545.85	847.74	1650.07	2125.74	2987.52	3081.57
(c) Industrial—							
(i) Upto 650 volts . . . . .	575.26	931.84	1641.12	2709.81	3452.50	4640.77	4869.54
(ii) Above 650 volts . . . . .	2483.63	4391.58	8055.28	16166.08	22438.77	27840.63	27820.74
(d) Public lighting . . . . .	67.60	117.77	193.24	279.57	372.09	552.83	579.71

TABLE No. 1.1.7—*contd.*

1	2	3	4	5	6	7	8
(e) Railways/Tramways . . . . .	329.59	404.93	453.92	1057.28	1246.58	1530.76	1531.17
(f) Agricultural . . . . .	203.05	316.18	832.92	1891.84	3465.54	6310.21	7762.73
(g) Public Water Works and sewage pumping	210.12	317.08	436.19	625.16	837.17	1116.96	1227.04
(h) Miscellaneous . . . . .	*	*	*	*	229.81	622.15	586.35
TOTAL . . . . .	4793.35	7959.36	13952.70	26734.95	37352.39	50246.38	52631.64
Per capita consumption (kWh) . Utilities & non-utilities	17.8	26.4	38.2	61.3	77.88	97.48	98.99
(vi) Energy lost in transformation, transmission, distribution and unac- counted for							
(i) M. kWh . . . . .	864.48	1334.98	2485.47	4585.18	7214.51	12931.12	13556.00
(ii) % . . . . .	N.A.	N.A.	N.A.	14.31	17.00	20.46	20.48
Towns and Villages Electrified							
(i) Villages . . . . .	3061	7,294	21750	45144	73722	156270	172169@@
(ii) Towns . . . . .	1104	1534	2230	2642	2677	2695	3120@@

\*—Included in commercial.

@@—As per 1971 census.

**TECHNICAL STATISTICS**

**SECTION 2**

**INSTALLED PLANT CAPACITY AND GENERATION AS ON 31-3-1975**

**SUB SECTION 2-1--UTILITIES**

**SUB SECTION-2-2--SELECTED INDUSTRIES (INCLUDING RAILWAYS)**

TABLE NO. 2·1·1

*Installed Plant Capacity (As on 31-3-75) and Generation by type of Plant and Ownership  
During 1974-75 (Utilities)*

Sl. No.	Type of plant & ownership	Installed plant capacity (MW)	Percentage of total	Generation (M. KWH)	Percentage of gross generation
				gross	
1	2	3	4	5	6
	<b>I. HYDRO</b>				
	<i>Public Sector</i>				
	(a) State Elec. Boards . . . . .	5050·07	32·48	20856·27	29·71
	(b) Elec. Deptts./Govt. Undertakings/DVC . . . . .	1292·55	7·06	5784·78	8·24
	(c) Municipalities . . . . .	6·11	0·03	12·94	0·02
	SUB-TOTAL . . . . .	7248·73	39·57	26653·99	37·97
	<i>Private Sector</i>				
	Companies . . . . .	280·51	1·54	1221·19	1·74
	TOTAL (I) . . . . .	7529·2	41·11	27,875·18	39·71
	<b>II. STEAM</b>				
	<i>Public Sector</i>				
	(a) State Elec. Boards . . . . .	5951·09	33·49	24702·03	35·20
	(b) Electricity Deptts./Govt. Undertakings/DVC . . . . .	2489·60	13·59	8361·56	11·91
	(c) Municipalities . . . . .	276·20	1·51	1420·66	2·02
	SUB-TOTAL . . . . .	8716·89	47·59	34484·25	49·13
	<i>Private Sector</i>				
	Companies . . . . .	1035·65	5·65	5054·47	7·20
	TOTAL (II) . . . . .	9752·54	53·24	39538·72	56·33
	<b>III. DIESEL</b>				
	<i>Public Sector</i>				
	(a) State Elec. Boards . . . . .	171·65	0·94	92·44	0·13
	(b) Elec. Deptts./Govt. Undertakings/D.V.C. . . . .	20·21	0·11	22·49	0·04
	(c) Municipalities . . . . .	26·25	0·14	1·36	Neg.
	SUB-TOTAL . . . . .	218·11	1·19	116·29	0·17
	<i>Private Sector</i>				
	Companies . . . . .	11·29	0·06	4·98	0·01
	TOTAL (III) . . . . .	229·40	1·25	121·27	0·18

TABLE No. 2.1.1- contd.

1	2	3	4	5	6
	<b>IV. GAS TURBINE</b>				
	<i>Public Sector</i>				
	(a) State Elec. Boards . . . . .	165.50	0.90	449.27	0.64
	(b) Elec. Deppts./Govt. Undertakings/D.V.C. . . . .	..	..	..	..
	(c) Municipalities . . . . .	..	..	..	..
	SUB-TOTAL . . . . .	165.50	0.90	449.27	0.64
	<i>Private Sector</i>				
	Companies . . . . .	..	..	..	..
	TOTAL (IV) . . . . .	165.50	0.90	449.27	0.64
	<b>V. NUCLEAR</b>				
	<i>Public Sector</i>				
	(a) State Elec. Boards . . . . .	..	..	..	..
	(b) Electricity Deppts./Govt. Undertakings/D.V.C. . . . .	640.00	3.50	2206.09	3.14
	(c) Municipalities . . . . .	..	..	..	..
	SUB-TOTAL . . . . .	640.00	3.50	2206.09	3.14
	<i>Private Sector</i>				
	Companies . . . . .	..	..	..	..
	TOTAL (V) . . . . .	640.00	3.50	2206.09	3.14
	GRAND TOTAL (I+II+III+IV+V) . . . . .	18361.681	100.00	70190.53	100.00

TABLE NO. 2.1.2

## Statewise Installed Hydro Plant Capacity and Gross Generation by Ownership (Utilities)@

Sl. No.	State/Power Corporation	Public Sector						Private Sector		Total	
		State Elec. Boards		Elec. Deptt./Govt. Undertakings/Corporations		Municipalities		Companies			
		Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Million KWH)
		3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . . . .	130.00	254.23	137.93	525.72	..	..	..	..	267.93	780.00
2	Assam . . . . .	65.20	217.20	..	..	..	..	1.51	5.19	66.71	222.39
3	Bihar . . . . .	..	..	15.00	6.31	..	..	..	..	15.00	6.31
4	Gujarat . . . . .	225.00	450.00	..	..	..	..	..	..	225.00	450.00
5	Haryana . . . . .	408.47	1330.55	..	..	..	..	..	..	408.47	1330.55
6	Himachal Pradesh . . . . .	49.97	169.19	..	..	..	..	..	..	49.97	169.19
7	Jammu & Kashmir . . . . .	62.72	279.42	..	..	..	..	..	..	62.72	279.42
8	Karnataka . . . . .	206.20	557.39	760.40	4145.69	..	..	..	..	966.60	4703.08
9	Kerala . . . . .	621.50	2659.16	..	..	..	..	..	..	621.50	2659.16
10	Madhya Pradesh . . . . .	193.00	869.16	..	..	..	..	..	..	193.00	869.16
11	Maharashtra . . . . .	576.30	3959.29	..	..	..	..	279.00	1216.00	855.30	5175.29
12	Manipur . . . . .	..	..	0.60	1.64	..	..	..	..	0.60	1.64
13	Nagaland . . . . .	..	..	..	..	..	..	..	..	..	..
14	Orissa . . . . .	270.00	661.37	274.42	808.63	..	..	..	..	544.42	1470.00

25

TABLE No. 2.1.2—contd.

1	2	3	4	5	6	7	8	9	10	11	12
15	Punjab	714.70	2478.56	..	..	..	..	..	..	714.70	2478.56
16	Rajasthan	376.33	1466.32	..	..	..	..	..	..	376.33	1466.32
17	Tamil Nadu	1224.00	3826.63	..	..	..	..	..	..	1224.00	3826.63
18	Tripura	..	..	..	..	..	..	..	..	..	..
19	Uttar Pradesh	792.13	1580.62	..	..	4.15	9.30	..	..	796.28	1589.92
20	West Bengal	34.55	97.13	..	..	1.96	3.64	..	..	36.51	100.77
21	D.V.C.	..	..	104.00	296.51	..	..	..	..	104.00	296.51
22	Central Govt. Projects	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>										
(a)	Delhi	..	..	..	..	..	..	..	..	..	..
(b)	Chandigarh	..	..	..	..	..	..	..	..	..	..
(c)	A & N Islands	..	..	..	..	..	..	..	..	..	..
(d)	D & N Haveli	..	..	..	..	..	..	..	..	..	..
(e)	Goa Daman & Diu	..	..	..	..	..	..	..	..	..	..
(f)	Lakshadweep	..	..	..	..	..	..	..	..	..	..
(g)	Arunachal Pradesh	..	..	0.20	0.28	..	..	..	..	0.20	0.28
(h)	Pondicherry	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL (ALL INDIA)</b>	<b>5950.07</b>	<b>20856.27</b>	<b>1292.55</b>	<b>5784.78</b>	<b>6.11</b>	<b>12.94</b>	<b>280.51</b>	<b>1221.19</b>	<b>7529.24</b>	<b>27875.18</b>

② The installed capacity and generation of jointly owned projects has been shown divided between the partner states as per their theoretical shares.



TABLE NO 2-1-3

## Statewise Installed Steam Plant Capacity@ and Gross Generation by Ownership (Utilities)

Sl. No.	State/Union Territory	Public Sector						Private Sector		Total	
		State Elec. Board		Elec. Depts./Govt. Undertakings/Corps.		Municipalities		Companies			
		Installed Plant Capacity (MW)	Energy Generated @ (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated @ (Mkwh)	Installed Plant Capacity (MW)	Energy Generated @ (Mkwh)	Installed Plant Capacity (MW)	Energy Generated @ (Mkwh)
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . . .	602.50	2708.03	..	..	..	..	..	..	602.50	2708.03
2	Assam . . . . .	35.00	35.56	..	..	..	..	..	..	35.00	35.56
3	Bihar . . . . .	558.50	2104.30	..	..	..	..	14.27	40.34	572.77	2144.64
4	Gujarat . . . . .	649.50	3553.02	..	..	..	..	232.50	1392.01	882.00	4945.03
5	Haryana . . . . .	144.30	507.99	..	..	..	..	..	..	144.30	507.99
6	H. P. . . . .	..	..	..	..	..	..	..	..	..	..
7	Jammu & Kashmir . . . .	22.50	18.45	..	..	..	..	..	..	22.50	18.45
8	Karnataka . . . . .	..	..	..	..	..	..	..	..	..	..
9	Kerala . . . . .	..	..	..	..	..	..	..	..	..	..
10	M. P. . . . .	582.00	2750.26	..	..	..	..	..	4.75	582.00	2755.01
11	Maharashtra . . . . .	877.50	3720.79	..	..	..	..	337.50	1899.00	1215.00	5619.79
12	Manipur . . . . .	..	..	..	..	..	..	..	..	..	..
13	Nagaland . . . . .	..	..	..	..	..	..	..	..	..	..
14	Orissa . . . . .	258.25	861.20	..	..	..	..	..	..	258.25	861.20
15	Punjab . . . . .	115.00	152.50	..	..	..	..	..	..	115.00	152.50
16	Rajasthan . . . . .	163.00	658.56	..	..	..	..	..	..	163.00	658.56
17	Tamil Nadu . . . . .	430.00	1249.64	..	..	..	..	..	..	430.00	1249.64

TABLE No 2.1.3—contd.

1	2	3	4	5	6	7	8	9	10	11	12
18	Tripura . . . . .	..	..	..	..	..	..	..	..	..	..
19	Uttar Pradesh . . . . .	1021.00	4560.56	..	..	..	..	5.00	38.27	1026.00	4598.83
20	West Bengal . . . . .	492.04	1821.17	285.00	884.00	..	..	446.38	1680.10	1223.42	4385.27
21	D.V.C. . . . .	..	..	1197.50	4168.94	..	..	..	..	1197.50	4168.94
22	Central Govt. Projects . . . . .	..	..	1006.00	3307.23	..	..	..	..	1006.00	3307.23
	<i>Union Territories</i>										
(a)	Delhi . . . . .	..	..	..	..	276.20	1420.66	..	..	276.20	1420.66
(b)	Chandigarh . . . . .	..	..	..	..	..	..	..	..	..	..
(c)	A & N Islands . . . . .	..	..	1.10	1.39	..	..	..	..	1.10	1.39
(d)	Goa Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..
(e)	Lakshadweep . . . . .	..	..	..	..	..	..	..	..	..	..
(f)	Arunachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..
(g)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..
(h)	Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>5951.09</b>	<b>24702.03</b>	<b>2489.60</b>	<b>8361.56</b>	<b>276.20</b>	<b>1420.66</b>	<b>1035.65</b>	<b>5054.47</b>	<b>9752.54</b>	<b>39538.72</b>

@The Installed Plant Capacity and Generation of jointly owned Projects have been shown divided between the partner states as per their theoretical shares.

TABLE NO. 2-1-4

*Installed Diesel & Gas Plant Capacity and Gross Generation by Ownership (Utilities)*

Sl. No.	State/Power Corpn./ Union Territories	Public Sector						Private Sector		Total	
		State Elec. Board		Elec. Deptt./Govt. Undertakings/Corpna.		Municipalities		Companies			
		Installed Plant Capacity (MW)	Energy Generated@ (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)	Installed Plant Capacity (MW)	Energy Generated (Mkwh)
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . . .	20.00 <sup>1</sup>	1.12	..	..	..	..	..	..	20.00	1.12
2	Assam . . . .	95.24 <sup>2</sup>	311.71	..	..	..	..	..	..	95.24	311.71
3	Bihar . . . .	13.29	1.10	..	..	..	..	3.07	1.35	16.36	2.45
4	Gujarat . . . .	59.37 <sup>3</sup>	135.08	..	..	1.10	0.02	5.36	0.35	65.83	135.45
5	Haryana . . . .	4.19	0.67	..	..	..	..	..	..	4.19	0.67
6	Himachal Pradesh . . . .	2.66	0.18	..	..	..	..	..	..	2.66	0.18
7	Jammu & Kashmir . . . .	8.73	5.28	..	..	..	..	..	..	8.73	5.28
8	Karnataka . . . .	..	..	..	..	..	..	..	..	..	..
9	Kerala . . . .	3.10	0.01	..	..	..	..	..	..	3.10	0.01
10	Madhya Pradesh . . . .	1.08	0.13	..	..	..	..	..	..	1.08	0.13
11	Maharashtra . . . .	..	0.22	..	..	..	..	0.07	0.14	0.07	0.36
12	Manipur . . . .	..	..	5.24	11.42	..	..	..	..	5.24	11.42
13	Nagaland . . . .	..	..	2.02	0.30	..	..	..	..	2.02	0.30
14	Orissa . . . .	0.55	0.04	..	..	..	..	..	..	0.55	0.04
15	Punjab . . . .	56.62	59.02	..	..	..	..	..	..	56.62	59.02
16	Rajasthan . . . .	39.06 <sup>4</sup>	6.67	..	..	..	..	2.34	3.14	41.40	9.81
17	Tamil Nadu . . . .	..	..	..	..	..	..	..	..	..	..

TABLE No. 2.1.4—contd.

1	2	3	4	5	6	7	8	9	10	11	12
18	Tripura . . . . .	..	..	4.88	5.55	..	..	..	..	4.88	5.55
19	Uttar Pradesh . . . . .	15.49 <sup>5</sup>	14.61	..	..	3.22	0.32	0.45	..	19.16	14.93
20	West Bengal . . . . .	17.77	5.87	..	..	1.13	..	..	..	18.90	5.87
21	D.V.C. . . . .	..	..	..	..	..	..	..	..	..	..
22	Central Govt. Projects . . . . .	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>										
(a)	Delhi . . . . .	..	..	..	..	20.80	1.02	..	..	20.80	1.02
(b)	Chandigarh . . . . .	..	..	2.48	0.11	..	..	..	..	2.48	0.11
(c)	A. & N. Islands . . . . .	..	..	2.80	3.66	..	..	..	..	2.80	3.66
(d)	Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..	..
(e)	Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..
(f)	Lakshadweep . . . . .	..	..	0.90	0.44	..	..	..	..	0.90	0.44
(g)	Arunachal Pradesh . . . . .	..	..	1.89	1.01	..	..	..	..	1.89	1.01
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL</b> . . . . .	<b>337.15*</b>	<b>541.71*</b>	<b>20.21</b>	<b>22.49</b>	<b>26.25</b>	<b>1.36</b>	<b>11.29</b>	<b>4.98</b>	<b>394.90*</b>	<b>570.54*</b>

NOTE—\*Includes 165.50 MW of Gas Turbine Plants & 449.27 M. kwh. generation therefrom.

<sup>1</sup> The figure pertains to Gas Turbine.

<sup>2</sup> Includes 69.00 MW capacity of Gas Turbine and 299.15 M. kwh generation therefrom.

<sup>3</sup> Includes 54.00 MW capacity of Gas Turbine and 134.83 M. kwh generation therefrom.

<sup>4</sup> Includes 10.00 MW capacity of Gas Turbine and nil generation therefrom.

<sup>5</sup> Includes 12.50 KW capacity of Gas Turbine & 14.17 M. kwh generation therefrom.

R—Data for last year repeated due to non-availability of 1974-75 year Data.

TABLE NO. 2.1.5

## Statewise Installed Capacity@ Generation Sectorwise (Utilities)

Sl. No.	Name of State/UT	Public Sector							
		State Electricity Boards			Electricity Department/Govt. Undertakings/Corporations				
		No. of Under-takings	Installed Capacity (MW)	Energy Generated Gross (MKWH)	Energy Generated Net (MKWH)	No. of Under-takings	Installed Plant Capacity (MW)	Energy Generated Gross (MKWH)	Energy Generated Net (MKWH)
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh . . . .	1	752.50	2963.43	2721.07	2	137.93	525.72	523.80
2	Assam (A) . . . .	2	195.44	564.47	552.23	..	..	..	..
3	Bihar . . . .	1	571.79	2105.40	1856.20	1	15.00	6.31	6.01
4	Gujarat . . . .	1	933.87	4138.10	3811.93	..	..	..	..
5	Haryana . . . .	1	556.96	1839.21	1791.31	..	..	..	..
6	Himachal Pradesh . . . .	1	52.63	169.37	168.60	..	..	..	..
7	Jammu & Kashmir . . . .	1	93.95	303.15	298.09	..	..	..	..
8	Karnataka . . . .	1	206.20	557.39	551.98	1	760.40	4145.69	4137.06
9	Kerala . . . .	1	624.60	2659.17	2635.61	..	..	..	..
10	Madhya Pradesh . . . .	1	776.08	3619.55	3361.49	..	..	..	..
11	Maharashtra . . . .	1	1453.80	7680.30	7360.28	..	..	..	..
12	Manipur (R) . . . .	..	..	..	..	1	5.84	13.06	12.09
13	Nagaland . . . .	..	..	..	..	1	2.02	0.30	0.29
14	Orissa . . . .	1	528.80	1522.61	1430.91	1	274.42	808.63	802.95
15	Punjab . . . .	1	886.32	2890.08	2666.04	..	..	..	..
16	Rajasthan . . . .	1	578.39	2131.55	2069.93	..	..	..	..

TABLE NO. 2.1.5—contd.

1	2	3	4	5	6	7	8	9	10
17	Tamil Nadu . . . .	1	1654.00	5076.27	4885.39	..	..	..	..
18	Tripura . . . . .	..	..	..	..	1	4.88	5.55	5.30
19	Uttar Pradesh . . . .	1	1828.62	6155.79	5691.65	..	..	..	..
20	West Bengal . . . . .	1	544.36	1924.17	1757.18	1	285.00	884.00	782.65
21	D.V.C. . . . .	..	..	..	..	1	1301.50	4465.45	4017.14
22	Central Govt. Projects .	..	..	..	..	6	1646.00	5513.32	4904.12
	<i>Union Territories</i>								
(a)	Delhi . . . . .	..	..	..	..	..	..	..	..
(b)	A & N Islands . . . . .	..	..	..	..	1	3.90	5.05	4.77
(c)	Chandigarh . . . . .	..	..	..	..	1	2.48	0.11	0.10
(d)	D & N Haveli . . . . .	..	..	..	..	1	..	..	..
(e)	Goa, Daman & Diu . . . .	..	..	..	..	1	..	..	..
(f)	Lakshadweep . . . . .	..	..	..	..	1	0.90	0.44	0.43
(g)	Arunachal Pradesh . . . .	..	..	..	..	1	2.09	1.29	1.26
(h)	Pondicherry . . . . .	..	..	..	..	1	..	..	..
	TOTAL . . . . .	18	12238.31	46100.01	43609.89	23	4442.36	16374.92	15197.97

NOTE—R—Data repeated.

A—Including Meghalaya &amp; Mizoram.

@—The installed capacity, generation (gross &amp; net) of jointly owned projects are divided between the partner States as per their respective (theoretical) shares.

TABLE No. 2·1·5—contd.

Sl. No.	State/Union Territories	Public Sector				Private Sector				Total			
		Municipalities				Companies				No. of Under-taking	Installed Capacity (MW)	Energy Generated Gross (MKWH)	Energy Generated Net (MKWH)
		No. of Under-taking	Installed Capacity (MW)	Energy Generated Gross (MKWH)	Energy Generated Net (MKWH)	No. of Under-taking	Installed Capacity (MW)	Energy Generated Gross (MKWH)	Energy Generated Net (MKWH)				
1	2	11	12	13	14	15	16	17	18	19	20	21	22
1	Andhra Pradesh . . . .	..	..	..	..	1	..	..	..	4	890·43	3489·15	3244·87
2	Assam . . . . .	..	..	..	..	1	1·51	5·19	5·16	3	196·95	569·66	557·39
3	Bihar . . . . .	..	..	..	..	8	17·34	41·69	37·42	10	604·13	2153·40	1899·63
4	Gujarat . . . . .	9	1·10	0·02	0·01	12	237·86	1392·36	1310·13	22	1172·83	5530·48	5122·07
5	Haryana . . . . .	..	..	..	..	..	..	..	..	1	556·96	1839·21	1791·31
6	Himachal Pradesh . . . .	..	..	..	..	..	..	..	..	1	52·63	169·27	168·60
7	Jammu & Kashmir . . . .	..	..	..	..	..	..	..	..	1	93·95	303·15	298·09
8	Karnataka . . . . .	..	..	..	..	1	..	..	..	3	966·60	4703·08	4689·04
9	Kerala . . . . .	1	..	..	..	3	..	..	..	5	624·60	2659·17	2635·61
10	Madhya Pradesh . . . . .	..	..	..	..	..	..	4·75	4·11	1	776·08	3624·30	3365·60
11	Maharashtra . . . . .	5	..	..	..	23	616·57	3115·14	2986·14	29	2070·37	10795·44	10546·42
12	Manipur . . . . .	..	..	..	..	..	..	..	..	1	5·84	13·06	12·09
13	Nagaland . . . . .	..	..	..	..	..	..	..	..	1	2·02	0·30	0·29
14	Orissa . . . . .	..	..	..	..	..	..	..	..	2	803·22	2331·24	2233·86
15	Punjab . . . . .	1	..	..	..	1	..	..	..	3	886·32	2690·08	2666·04
16	Rajasthan . . . . .	..	..	..	..	3	2·34	3·14	2·94	4	580·73	2134·69	2072·87
17	Tamil Nadu . . . . .	5	..	..	..	..	..	..	..	6	1654·00	5076·27	4885·39

TABLE No. 2.1.5—concl'd.

1	2	11	12	13	14	15	16	17	18	19	20	21	22
18	Tripura . . . . .	..	..	..	..	..	..	..	..	1	4.88	5.55	5.30
19	Uttar Pradesh . . . . .	12	7.37	9.62	9.49	14	5.45	38.27	34.56	27	1841.44	6203.68	5735.70
20	West Bengal . . . . .	1	3.09	3.64	3.64	13	446.38	1680.10	1561.40	16	1278.83	4491.91	4104.87
21	DVC . . . . .	..	..	..	..	..	..	..	..	1	1301.50	4465.45	4017.14
22	Central Govt. Projects . . . . .	..	..	..	..	..	..	..	..	6	1646.00	5513.32	4904.42
	<i>Union Territories</i>												
(a)	Delhi . . . . .	2	297.00	1421.68	1297.09	..	..	..	..	2	297.00	1421.68	1297.09
(b)	A & N Islands . . . . .	..	..	..	..	..	..	..	..	1	3.90	5.05	4.77
(c)	Chandigarh . . . . .	..	..	..	..	..	..	..	..	1	2.48	0.11	0.10
(d)	D & N Haveli . . . . .	..	..	..	..	..	..	..	..	1	..	..	..
(e)	Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	1	..	..	..
(f)	Lakshadweep . . . . .	..	..	..	..	..	..	..	..	1	0.90	0.44	0.43
(g)	Arunachal Pradesh . . . . .	..	..	..	..	..	..	..	..	1	2.09	1.29	1.26
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	1	..	..	..
	<b>TOTAL</b> . . . . .	<b>36</b>	<b>30856</b>	<b>1424.96</b>	<b>1310.23</b>	<b>80</b>	<b>1327.45</b>	<b>6280.64</b>	<b>5941.86</b>	<b>187</b>	<b>18316.68</b>	<b>70190.53</b>	<b>66060.25</b>



TABLE No. 2.1.6

Statewise Installed Plant Capacity @ as on 31-3-75, Aggregate Maximum Demand, Energy Generated by Type of Plant

Serial No.	State/Power Corporation	HYDRO					STEAM				
		Installed Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (MKWH)		Auxiliary Consumption as % of Gross Generation	Installed Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (MKWH)		Auxiliary Consumption %
				Gross	Net				Gross	Net	
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	267.93	272.00	780.00	777.36	0.33	602.50	560.60	2708.03	2466.41	8.92
2	Assam (A)	66.71	63.01	222.39	221.61	0.35	35.00	30.00	35.56	32.04	9.89
3	Bihar	15.00	6.37	6.31	6.01	4.75	572.77	405.04	2144.64	1891.36	11.80
4	Gujarat	225.00	120.67	450.00	429.26	4.60	882.00	812.80	4945.03	4559.91	7.78
5	Haryana	408.47	340.14	1330.55	1326.55	0.32	144.30	136.13	507.99	464.34	8.59
6	Himachal Pradesh	49.97	33.53	169.19	168.43	0.45	..	..	..	..	..
7	Jammu & Kashmir	62.72	55.66	279.42	277.93	0.53	22.50	20.00	18.45	15.11	18.10
8	Karnataka	966.60	973.30	4703.08	4689.04	0.29	..	..	..	..	..
9	Kerala	621.50	637.30	2659.16	2635.60	0.88	..	..	..	..	..
10	Madhya Pradesh	193.00	193.00	869.16	868.27	0.11	582.00	519.60	2755.01	2497.21	9.36
11	Maharashtra	855.30	894.33	5175.29	5152.00	0.45	1215.00	1018.64	5619.79	5194.12	7.57
12	Manipur (R)	0.60	0.60	1.64	1.63	0.60	..	..	..	..	..
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	544.42	414.00	1470.00	1460.45	0.65	258.25	184.00	861.20	773.37	10.20
15	Punjab	714.70	598.20	2478.56	2470.48	0.33	115.00	114.90	152.50	138.42	9.23
16	Rajasthan	376.33	345.66	1466.32	1465.52	0.20	163.00	125.60	658.56	600.23	8.86
17	Tamil Nadu	1224.00	1199.80	3826.63	3815.04	0.30	430.00	311.00	1249.64	1070.35	14.34
18	Tripura	..	..	..	..	..	..	..	..	..	..
19	Uttar Pradesh	796.28	548.52	1589.92	1583.65	0.39	1026.00	1006.63	4598.83	4137.41	10.03

TALBE No. 2·1·6—contd.

1	2	3	4	5	6	7	8	9	10	11	12
20	West Bengal . . . . .	36·51	27·49	100·77	98·98	1·79	1223·42	841·10	4385·27	4000·21	8·78
21	D.V.C. . . . .	104·00	108·00	296·51	294·38	0·71	1197·50	919·00	4168·94	3722·76	10·70
22	Central Govt. Projects	..	..	..	..	..	1006·00	760·50	3307·23	2908·72	12·05
	<i>Union Territories</i>										
(a)	A & N Islands . . . . .	..	..	..	..	..	1·10	0·68	1·39	1·26	9·35
(b)	Arunachal Pradesh . . . . .	0·20	0·18	0·28	0·28	Neg.	..	..	..	..	..
(c)	Chandigarh . . . . .	..	..	..	..	..	..	..	..	..	..
(d)	Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..	..
(e)	Delhi . . . . .	..	..	..	..	..	276·20	255·67	1420·66	1296·08	8·77
(f)	Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..
(g)	Lakshadweep . . . . .	..	..	..	..	..	..	..	..	..	..
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL (ALL INDIA).</b>	<b>7529·24</b>	<b>6831·96</b>	<b>27875·18</b>	<b>27740·22</b>	<b>0·49</b>	<b>9752·54</b>	<b>8021·85</b>	<b>39538·72</b>	<b>35769·31</b>	<b>9·53</b>

TABLE NO. 2.1.6—contd.

Sl. No.	State/Power Corporation	DIESEL					GAS				
		Installed Capacity (MW)	Maximum Demand (Aggregate)	Generation (MKWH)		Auxiliary Consumption %	Installed Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (MKWH)		Auxiliary Consumption %
				Gross	Net				Gross	Net	
1	2	13	14	15	16	17	18	19	20	21	22
1	Andhra Pradesh	..	..	..	..	..	20.00	10.00	1.12	1.10	1.78
2	Assam (A) . . . . .	26.24	1.50	12.56	12.13	3.42	69.00	47.80	299.15	291.61	2.52
3	Bihar . . . . .	16.36	6.14	2.45	2.26	7.75	..	..	..	..	..
4	Gujarat . . . . .	11.83	6.55	0.62	2.50	19.35	54.00	27.00	134.83	132.40	1.80
5	Haryana . . . . .	4.19	1.22	0.67	0.67	..	..	..	..	..	..
6	Himachal Pradesh . . . . .	2.66	1.62	0.18	0.17	5.56	..	..	..	..	..
7	Jammu & Kashmir . . . . .	8.73	3.50	5.28	5.05	4.36	..	..	..	..	..
8	Karantaka . . . . .	..	..	..	..	..	..	..	..	..	..
9	Kerala . . . . .	3.10	1.50	0.01	0.01	Neg.	..	..	..	..	..
10	Madhya Pradesh . . . . .	1.08	0.27	0.13	0.12	7.69	..	..	..	..	..
11	Maharashtra . . . . .	0.07	0.43	0.36	0.30	6.81	..	..	..	..	..
12	Manipur (R) . . . . .	5.24	2.99	11.42	10.46	8.40	..	..	..	..	..
13	Nagaland . . . . .	2.02	1.80	0.30	0.29	3.33	..	..	..	..	..
14	Orissa . . . . .	0.55	0.08	0.04	0.04	..	..	..	..	..	..
15	Punjab . . . . .	56.62	32.05	59.02	57.14	3.18	..	..	..	..	..
16	Rajasthan . . . . .	31.40	5.72	9.81	9.12	7.03	10.00	..	..	..	..
17	Tamil Nadu . . . . .	..	..	..	..	..	..	..	..	..	..
18	Tripura . . . . .	4.88	2.23	5.55	5.30	4.50	..	..	..	..	..
19	Uttar Pradesh . . . . .	6.66	2.70	0.76	0.65	14.47	12.50	12.50	14.17	13.99	1.27
20	West Bengal . . . . .	18.90	9.76	5.87	5.68	3.23	..	..	..	..	..

TABLE No. 2·1·6—contd.

1	2	13	14	15	16	17	18	19	20	21	22
21	D.V.C. . . . .	..	..	..	..	..	..	..	..	..	..
22	Central Govt. Projects. . . . .	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>										
(a)	A & N Islands . . . . .	2·80	1·29	3·66	3·51	4·09	..	..	..	..	..
(b)	Arunachal Pradesh . . . . .	1·89	1·00	1·01	0·98	..	..	..	..	..	..
(c)	Chandigarh . . . . .	2·48	2·00	0·11	0·10	9·09	..	..	..	..	..
(d)	Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..	..
(e)	Delhi . . . . .	20·80	8·90	1·02	1·01	0·98	..	..	..	..	..
(f)	Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..
(g)	Lakshadweep . . . . .	0·90	0·29	0·44	0·43	2·27	..	..	..	..	..
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL (ALL INDIA)</b>	<b>229·40</b>	<b>93·54</b>	<b>121·27</b>	<b>115·92</b>	<b>4·02</b>	<b>165·50</b>	<b>97·30</b>	<b>449·27</b>	<b>439·10</b>	<b>2·26</b>

TABLE NO. 2·1·6—contd.

Sl. No.	State/Power Corporation	NUCLEAR					TOTAL				
		Installed Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (MKWH)		Auxiliary Consumption %	Installed Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (MKWH)		Auxiliary Consumption %
				Gross	Net				Gross	Net	
1	2	23	24	25	26	27	28	29	30	31	32
1	Andhra Pradesh . . . . .	..	..	..	..	..	890·43	842·60	3489·15	3244·87	7·00
2	Assam (A) . . . . .	..	..	..	..	..	196·95	142·31	569·66	557·39	2·15
3	Bihar . . . . .	..	..	..	..	..	604·13	417·55	2153·40	1899·63	11·78
4	Gujarat . . . . .	..	..	..	..	..	1172·83	967·02	5530·48	5122·07	7·38
5	Haryana . . . . .	..	..	..	..	..	556·98	477·49	1839·21	1791·31	2·60
6	Himachal Pradesh . . . . .	..	..	..	..	..	52·63	35·15	169·37	168·60	0·45
7	Jammu & Kashmir . . . . .	..	..	..	..	..	93·95	79·16	303·15	298·09	1·67
8	Karnataka . . . . .	..	..	..	..	..	966·60	973·30	4303·08	4689·04	0·29
9	Kerala . . . . .	..	..	..	..	..	624·60	639·00	2659·17	2635·61	0·88
10	Madhya Pradesh . . . . .	..	..	..	..	..	776·08	712·87	3624·30	3365·60	7·14
11	Maharashtra . . . . .	..	..	..	..	..	2070·37	1913·40	10795·44	10346·42	4·15
12	Manipur (R) . . . . .	..	..	..	..	..	5·84	3·59	13·06	12·09	7·42
13	Nagaland . . . . .	..	..	..	..	..	2·02	1·80	0·30	0·29	3·33
14	Oriasa . . . . .	..	..	..	..	..	803·22	598·08	2331·24	2233·86	4·17
15	Punjab . . . . .	..	..	..	..	..	886·32	745·05	2690·08	2666·04	0·89
16	Rajaasthan . . . . .	..	..	..	..	..	580·73	477·06	2134·69	2072·87	2·90
17	Tamil Nadu . . . . .	..	..	..	..	..	1654·00	1510·80	5076·27	4885·39	3·76
18	Tripura . . . . .	..	..	..	..	..	4·88	2·23	5·55	5·30	4·50
19	Uttar Pradesh . . . . .	..	..	..	..	..	1841·44	1570·35	6203·68	5735·70	7·54
20	West Bengal . . . . .	..	..	..	..	..	1278·83	878·35	4491·91	4104·87	8·61

TABLE No. 2·1·6—concl'd.

1	2	23	24	25	26	27	28	29	30	31	32
21	D.V.C. . . . .	..	..	..	..	..	1301·50	1027·00	4465·45	4017·14	10·03
22	Central Govt. Projects .	640·00	532·00	2206·09	1995·70	9·54	1646·00	1292·50	5513·32	4904·42	11·04
	<i>Union Territories</i>										
(a)	A & N Islands . . . .	..	..	..	..	..	3·90	1·95	5·05	4·77	5·54
(b)	Arunachal Pradesh . . .	..	..	..	..	..	2·09	1·18	1·29	1·26	2·33
(c)	Chandigarh . . . . .	..	..	..	..	..	2·48	2·00	0·11	0·10	9·09
(d)	Dadra & Nagar Haveli .									..	..
(e)	Delhi . . . . .	..	..	..	..	..	297·00	264·57	1421·68	1297·09	8·76
(f)	Goa, Daman & Diu . . .	..	..	..	..	..	..	..	..	..	..
(g)	Lakshadweep . . . . .	..	..	..	..	..	0·90	0·29	0·44	0·43	2·27
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..
	TOTAL (ALL INDIA) . . .	640·00	532·00	2206·09	1995·70	9·54	18316·68	15576·65	70190·53	66060·25	5·88

(A)—Including Meghalaya &amp; Mizoram.

(R)—1973-74 data repeated.

NOTE—@The installed capacity maximum demand generation &amp; energy consumed in station auxiliaries of jointly owned projects are divided between the partner states as per their respective (theoretical) share.

TABLE No. 2-1-7

*Regionwise, Prime-Mover-Wise Installed Capacity & Generation for the Years ending  
1971-72 to 1974-75*

Serial No.	Year	INSTALLED CAPACITY (M.W.)					
		Hydro	Steam	Diesel	Gas	Nuclear	Total
1	2	3	4	5	6	7	8
<b>ALL INDIA</b>							
1	1971-72 . . .	6,611.61	7,818.38	226.38	178.00	420.00	15,264.37
2	1972-73 . . .	6,785.41	8,467.98	230.32	178.00	620.00	16,281.71
3	1973-74 . . .	6,965.30	8,651.76	241.00	165.50	640.00	16,663.56
4	1974-75 . . .	7,529.24	9,752.54	229.40	165.50	640.00	18,316.68
<b>NORTHERN REGION</b>							
1	1971-72 . . .	2,106.92	1,333.23	110.12	22.50	..	3,572.77
2	1972-73 . . .	2,157.92	1,506.83	127.06	22.50	200.00	4,014.31
3	1973-74 . . .	2,200.47	1,599.70	136.37	22.50	220.00	4,179.04
4	1974-75 . . .	2,408.47	2,057.00	133.54	22.50	220.00	4,841.51
<b>WESTERN REGION</b>							
1	1971-72 . . .	987.82	2,242.60	38.00	54.00	420.00	3,742.42
2	1972-73 . . .	1,020.82	2,552.60	25.44	54.00	420.00	4,072.86
3	1973-74 . . .	1,037.32	2,536.00	22.79	54.00	420.00	4,070.11
4	1974-75 . . .	1,273.30	2,775.00	12.98	54.00	420.00	4,535.28
<b>SOUTHERN REGION</b>							
1	1971-72 . . .	3,005.03	1,281.50	2.92	20.00	..	4,309.45
2	1972-73 . . .	3,080.03	1,412.50	2.34	20.00	..	4,514.87
3	1973-74 . . .	3,080.03	1,412.50	3.81	20.00	..	4,516.34
4	1974-75 . . .	3,090.03	1,632.50	4.00	20.00	..	4,736.53
<b>EASTERN REGION</b>							
1	1971-72 . . .	444.53	2,961.05	36.90	..	..	3,442.48
2	1972-73 . . .	459.33	2,961.05	36.82	..	..	3,457.20
3	1973-74 . . .	579.93	3,068.56	37.59	..	..	3,686.08
4	1974-75 . . .	699.93	3,253.04	38.61	..	..	3,991.58
<b>NORTH EASTERN REGION</b>							
1	1971-72 . . .	67.31	..	38.44	81.50	..	187.25
2	1972-73 . . .	67.31	35.00	38.66	81.50	..	222.47
3	1973-74 . . .	67.55	35.00	40.44	69.00	..	211.99
4	1974-75 . . .	67.51	35.00	40.27	69.00	..	211.78

NOTE:— The installed capacity and generation of jointly owned projects have been distributed amongst the regions as per the theoretical shares of the States falling in the respective region.

TABLE No. 2.1.7—contd.

Serial No.	Year	GROSS GENERATION (Million kWh)					
		Hydro	Steam	Diesel	Gas	Nuclear	Total
1	2	9	10	11	12	13	14
ALL INDIA							
1	1971-72	28,024.22	31,237.28	111.05	363.76	1,189.32	60,928.63
2	1972-73	27,195.95	35,614.12	114.65	458.54	1,132.74	64,546.00
	1973-74	28,971.84	34,853.08	124.61	343.14	2,398.36	66,689.03
4	1974-75	27,875.18	39,538.72	121.27	449.27	2,206.09	70,190.53
NORTHERN REGION							
1	1971-72	8,242.82	5,876.89	36.98	1.06	..	14,157.75
2	1972-73	8,704.63	6,544.83	84.86	4.24	..	15,398.56
3	1973-74	9,419.93	6,332.98	68.98	7.98	487.53	16,317.40
4	1974-75	7,313.96	8,231.30	76.85	14.17	748.26	16,384.54
WESTERN REGION							
1	1971-72	5,518.29	10,404.83	13.07	139.00	1,189.32	17,264.51
2	1972-73	4,660.44	13,176.48	11.58	182.00	1,132.74	19,163.24
3	1973-74	5,385.64	12,462.77	3.73	63.83	1,908.83	19,824.80
4	1974-75	6,494.45	13,464.13	1.11	134.83	1,457.83	21,552.36
SOUTHERN REGION							
1	1971-72	12,286.03	4,875.72	0.35	3.86	..	17,165.96
2	1972-73	12,029.48	4,900.10	0.37	23.28	..	16,953.23
3	1973-74	11,930.18	5,639.82	0.45	4.04	..	17,574.49
4	1974-75	11,968.87	6,246.29	0.45	1.12	..	18,216.73
EASTERN REGION							
1	1971-72	1,783.72	10,079.84	32.65	..	..	11,896.21
2	1972-73	1,520.64	10,990.31	18.97	..	..	12,529.92
3	1973-74	2,035.60	10,372.43	19.50	..	..	12,427.53
4	1974-75	1,873.59	11,561.44	12.02	..	..	13,447.05
NORTH EASTERN REGION							
1	1971-72	193.36	..	28.00	219.84	..	441.20
2	1972-73	220.76	2.40	28.87	249.02	..	501.05
3	1973-74	200.49	45.08	31.95	267.29	..	544.81
4	1974-75	224.31	35.56	30.84	299.15	..	589.86

The details of States/U.Ts. covered in particular regions is as below :

Northern Region	Western Region	Southern Region	Eastern Region	North Eastern Region
Haryana H.P. J&K Punjab Rajasthan U.P. Chandigarh Delhi	Gujarat M.P. Maharashtra Goa, Daman & Diu	Andhra Pradesh Karnataka Kerala TamilNadu Pondicherry Dadra & Nagar Haveli, Lakshadweep	Bihar Orissa W. Bengal D.V.C. Andaman & Nicobar	Assam Manipur Meghalaya Nagaland Tripura Arunachal Pradesh Mizoram.



TABLE NO. 2·1·8  
Statewise Aggregate Maximum Demand (MW) by Ownership (Utilities) @

Sl. No.	State/Power Corporation	State Electricity Board	Govt. Department	Government Undertaking	Corporation	Municipalities	Companies	Total(MW)
1	2	3	4	5	6	7	8	9
1	Andhra Pradesh . . . . .	710·60	132·00	..	..	..	..	842·60
2	Assam . . . . .	141·20	..	..	..	..	1·11	142·31
3	Bihar . . . . .	401·02	6·37	..	..	..	10·16	417·55
4	Gujarat . . . . .	722·37	..	..	..	0·70	243·95	967·02
5	Haryana . . . . .	477·49	..	..	..	..	..	477·49
6	Himachal Pradesh . . . . .	35·15	..	..	..	..	..	35·15
7	Jammu & Kashmir . . . . .	79·16	..	..	..	..	..	79·16
8	Karnataka . . . . .	163·10	810·20	..	..	..	..	973·30
9	Kerala . . . . .	639·00	..	..	..	..	..	639·00
10	Madhya Pradesh . . . . .	712·87	..	..	..	..	..	712·87
11	Maharashtra . . . . .	1,307·55	..	..	..	..	605·85	1,913·40
12	Manipur 'R' . . . . .	..	3·59	..	..	..	..	3·59
13	Nagaland . . . . .	..	1·80	..	..	..	..	1·80
14	Orissa . . . . .	382·08	216·00	..	..	..	..	598·08
15	Punjab . . . . .	745·05	..	..	..	..	..	745·05
16	Rajasthan . . . . .	475·31	..	..	..	..	1·75	477·06
17	Tamil Nadu . . . . .	1,510·80	..	..	..	..	..	1,510·80
18	Tripura . . . . .	..	2·23	..	..	..	..	2·23
19	Uttar Pradesh . . . . .	1,562·01	..	..	..	4·44	3·90	1,570·35
20	West Bengal . . . . .	431·49	..	170·00	..	1·86	275·00	878·35
21	D.V.C. . . . .	..	..	..	1,027·00	..	..	1,027·00
22	Central Govt. Projects . . . . .	..	..	1,292·50	..	..	..	1,292·50
<i>Union Territories</i>								
(a)	A & N Islands . . . . .	..	1·95	..	..	..	..	1·95
(b)	Arunachal Pradesh . . . . .	..	1·18	..	..	..	..	1·18
(c)	Chandigarh . . . . .	..	2·00	..	..	..	..	2·00
(d)	Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..
(e)	Delhi . . . . .	..	..	..	..	264·57	..	264·57
(f)	Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..
(g)	Lakshadweep . . . . .	..	0·29	..	..	..	..	0·29
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..
<b>TOTAL (ALL INDIA)</b>		<b>10,496·25</b>	<b>1,177·61</b>	<b>1,462·50</b>	<b>1,027·00</b>	<b>271·57</b>	<b>1,141·72</b>	<b>15,576·65</b>

@ The maximum demand at the jointly owned projects/power stations has been shown divided between the partner states as per their theoretical share.

'R'—Data repeated due to non-availability of data.

TABLE NO. 2-1-9

## Share of Participating States in Jointly Owned Power Stations

Sl. No.	Name of the Power Stations	Installed plant capacity (MW)	Energy generated (M. kWh)		Name of the participating States	Shares of the participating States		Energy sent out Statewise (M. kWh)
			Gross	Net		Percentage share	Installed capacity (MW)	
1	2	3	4	5	6	7	8	9
1	Maohkund (Hydro)	114.75	439.43	437.60	Andhra Pradesh Orissa	70 30	80.33 34.42	142.86 294.74
2	Tungabhadra Dam & Hampi (Hydro)	72.00	272.66	271.86	Karnataka Andhra Pradesh	20 80	14.40 57.60	156.60 115.26
3	Chambal Projects (Hydro)							
	(a) Gandhi Sagar	115.00	540.66	539.80	Madhya Pradesh Rajasthan	50 50	57.50 57.50	} M.P.=2,034.22 Raj.=1,196.74
	(b) Rana Partap Sagar	172.00	720.22	719.56	Madhya Pradesh Rajasthan	50 50	86.00 86.00	
	(c) Jawahar Sagar	99.00	477.43	477.17	Madhya Pradesh Rajasthan	50 50	49.50 49.50	
4	Satpura (Thermal)	312.50	1,638.25	1,494.43	Madhya Pradesh Rajasthan	60 40	187.50 126.00	
5	Bhakra Nangal (Hydro)	1,204.50	3,923.56	3,911.03	Punjab	84.78 × 60%	612.70	1,175.47
					Haryana	84.78 × 40%	408.47	906.06
					Rajasthan	15.22%	183.33	377.74
					Chandigarh	..	..	125.00
					Himachal Pradesh	..	..	178.72
					(including BSL) (Old & New)			
					Nangal Fertilizers	..	..	660.47
					Jammu & Kashmir	..	..	43.03
					D.E.S.U.	..	..	249.92
					I. B. Bhakra	..	..	9.36
					Uttar Pradesh	..	..	3.44
					Transmission losses	..	..	181.82
	Indraprastha Extn. (Thermal) (Units 2, 3 & 4)	187.50	1,163.93	1,077.05	Delhi Haryana	66.67 33.33	125.00 62.50	743.55 333.50

TABLE NO. 2-1-10

*Installed Capacity, Energy Generated, Energy sent out by Central Government Projects D. V. C.*

Sl. No.	Name of Power Station	Installed Plant Capacity (M.W.)	Energy Generated (M. kWh)		Off take by the States (including losses) i.e. at P.H. Busbar	
			Gross	Net	Name of the States	M. kWh
1	2	3	4	5	6	7
1	Tarapore (Nuclear)	420.00	1,457.83	1,337.03	Gujarat	669.53
					Maharashtra	667.50
2	Chola (Steam)	96.00	144.30	127.39	Central Rlys. (Maharashtra)	127.39
3	Pong/Beas Talwara (Steam)	10.00	27.47	22.44	Beas Project (Unit II Punjab)	22.44§§
4	R.A.P.P. (Nuclear)	220.00	748.26	658.67	Rajasthan	658.67
5	Neyveli (Lignite)	600.00	2,288.62	2,020.36	Tamil Nadu	1,788.25@@
6	Badarpur (Steam)	300.00	846.84	738.53	Haryana	226.96
					Punjab	116.14
					U.P.	295.01
					Delhi	80.88
					Himachal Pradesh	8.67
					Chandigarh	10.87
7	D. V. C. §	1,301.50	4,465.45	4,017.14@	Bihar West Bengal	2,549.36* 1,921.25**

§§—Apart from their generation project also purchased energy from Punjab State Electricity Board.

§ D.V.C. is owned by three partners viz. Central Govt., Bihar Govt. and West Bengal Govt.

@@ 232.11 M. kWh (difference between energy sent out and net generation) has been consumed by Neyveli Lignite Corpn. within works.

@ Net Generation does not tally with total of energy sent out by D.V.C. since energy sent out includes purchase by D.V.C.

\*\* Includes 596.16 M. kWh direct sale by D.V.C. to ultimate consumers in West Bengal area.

\* Includes 895.37 M. kWh direct sale by D.V.C. to ultimate consumers in Bihar area.

TABLE No. 2·1·11

*Hydro Generating Units Commissioned during 1974-75*

Sl. No.	Installed at (ownership)	State/Union Territory	Date of Commissioning	No. of sets	Capacity of each set (MW)	Total capacity (MW)
1	Ukai (S.E.B.) . . . . .	Gujarat	26-8-74 13-12-74 March, 75	3	75·00	225·00
2	Upper Sindh (S.E.B.) . . . . .	J. & K.	9-7-74	1	11·00	11·00
3	Vir (S.E.B.) . . . . .	Maharashtra	5-2-75 26-2-75	2	4·50	9·00
4	Balimela (State Govt. . . . .)	Orissa	21-8-74 21-2-75	2	60·00	120·00
5	Chibro (S.E.B.) . . . . .	U. P.	March '75	3	60·00	180·00
6	Kulhal (S.E.B.) (Jamuna St. IV) . . . . .	U. P.	March '75	1	10·00	10·00
			TOTAL	12	..	555·00

S.E.B.—State Electricity Board.

TABLE No. 2·1·12

*Steam, Gas & Nuclear Generating Units Commissioned during 1974-75*

Sl. No.	Installed at (ownership)	State/Union Territory	Date of Commissioning	No. of sets	Capacity of each (MW) set	Total Capacity (MW)
1	Kothagudem Stage I & II (S.E.B.) . . . . .	Andhra Pradesh	13-8-74 19-12-74	2	110·00	220·00
2	Faridabad (S.E.B.) . . . . .	Haryana	18-11-74	1	60·00	60·00
3	Koradi (S.E.B.) . . . . .	Maharashtra	3-6-74 March '75	2	120·00	240·00
4	Gurunanak (S.E.B.) . . . . .	Punjab	22-9-74	1	110·00	110·00
5	Obra Extn. (S.E.B.) . . . . .	Uttar Pradesh	14-12-74	1	100·00	100·00
6	Chandrapura . . . . .	D.V.C.	26-4-74 31-3-75	2	120·00	240·00
7	Badarpur (C.G.P.) . . . . .	Delhi	13-8-74 29-3-75	2	100·00	200·00
			TOTAL	11	..	1,170·00

NOTE:—No Gas &amp; Nuclear Generating Units commissioned during the year 1974-75.

S.E.B.—State Electricity Board.

C.G.P.—Central Government Project.

TABLE NO. 2·1·13  
Boilers Commissioned During the Year 1974-75

Sl. No.	Installed at (ownership)	State/Union Territory	Number of Boilers	Evaporating capacity of each unit in 1000 Kgms/hr	Steam Conditions at stop value	
					Pressure in Kg/Cm <sup>2</sup>	Temperature in °C
1	Kothagudem 'B' (S.E.B.) . . .	Andhra Pradesh	2	375	139	540
2	Faridabad (S.E.B.) . . .	Haryana	1	260	96	530
3	Koradi (S.E.B.) . . .	Maharashtra	2	393	133·6	540·6
4	Gurunanak (S.E.B.) . . .	Punjab	1	375	143·6	540
5	Obra Extn. (S.E.B.) . . .	Uttar Pradesh	1	420	90	535
6	Chandrapura . . .	D.V.C.	2	393	133·6	540·6
7	Badarpur (C.G.P.) . . .	Delhi	2	420	90	535

NOTE :— S.E.B.=State Electricity Board.  
C.G.P.=Central Government Project.

TABLE No. 2-1-14

## State wise Fuel Consumption (1974-75)

Sl. No.	State/Union Territories	Steam Power Stations				Gross Generation (M. kWh)	Average (heat input in K.Cal./(kWh) generated	Gas Turbine & diesel Power station		
		Coal (tonnes)	Furnace oil (KL)	Natural & other gaseous fuel Cu. meters	Heat input (K. Cal. × 100)			Oil consumption (KL)	Generation (M. kWh)	Average oil consumption (Lt/kWh) generated
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . .	1,941,206	27,623 'A'	..	8,321·06	2,708·03	3,073	617 <sup>1</sup>	1·12	0·55
2	Assam . . . . .	..	12,045	..	120·45	35·56	3,387	5,180 <sup>2</sup>	311·71 <sup>3</sup>	0·41
3	Bihar . . . . .	1,219,612	171,439	..	7,809·28	2,144·64	3,641	816	2·45	0·33
4	Gujarat . . . . .	971,282	887,223	113,406	16,184·22	4,945·03	3,273	250 <sup>4</sup>	135·45 <sup>5</sup>	0·40
5	Haryana . . . . .	92,675	4,443 'B'	M. Cu. Mtrs.	596·33	120·01	4,969	216	0·67	0·32
6	Himachal Pradesh . . .	..	..	..	..	..	..	75	0·18	0·42
7	Jammu & Kashmir . . .	21,548	..	..	133·60	18·45	7,241	1,250	5·28	0·24
8	Karnataka . . . . .	..	..	..	..	..	..	..	NIL	..
9	Kerala . . . . .	..	..	..	..	..	..	20	0·01	2·00
10	Madhya Pradesh . . .	2,414,608	16,106	..	11,540·90	3,410·31	3,384	162	0·13	1·24
11	Maharashtra . . . . .	2,762,520	432,585 'C'	..	16,867·76	5,619·79	3,001	155	0·36	0·43
12	Manipur . . . . .	..	..	..	..	..	..	3,373	11·42	0·30
13	Nagaland . . . . .	..	..	..	..	..	..	170	0·30	0·56
14	Orissa . . . . .	599,727	1,338	..	3,232·84	861·20	3,754	22	0·04	0·55
15	Punjab . . . . .	88,462	12,405 'D'	..	535·72	152·52	3,512	17,816	59·02	0·30
16	Rajasthan . . . . .	6,414	..	..	39·23	3·26	12,034	3,483	9·81	0·36
17	Tamil Nau . . . . .	856,611	46,153 'E'	..	4,428·98	1,249·64	3,544	..	..	..
18	Tripura . . . . .	..	..	..	..	..	..	1,915	5·55	0·34

19	Uttar Pradesh . . .	3,776,662	54,303'F'	..	19,574·10	4,398·83	4,256	6,188 <sup>9</sup>	14·93 <sup>7</sup>	0·43
20	West Bengal . . .	2,894,250	63,311'G'	..	16,722·02	4,385·27	3,813	2,615	5·87	0·45
21	D.V.C. . . . .	2,317,499	27,950	..	11,796·28	4,168·94	2,830	..	..	..
22	Central Govt. Projects .	3,080,911@@	118,402'H'	..	10,798·34	3,307·23	3,265	..	..	..
<i>Union Territories</i>										
	(a) A & N Islands . .	15,105£	..	..	39·42	1·39	28,360	1,365	3·66	0·37
	(b) Aurnachal Pradesh.	..	..	..	..	..	..	325	1·01	0·32
	(c) Chandigarh . . .	..	..	..	..	..	..	100	0·11	0·90
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..
	(e) Delhi . . . . .	1,088,302	43,834	..	6,360·16	1,808·64	3,517	309	1·02	0·30
	(f) Goa, Daman & Diu	..	..	..	..	..	..	..	..	..
	(g) Lakshadweep . . .	..	..	..	..	..	..	247	0·44	0·56
	(h) Pondicherry . . .	..	..	..	..	..	..	..	..	..
	ALL INDIA TOTAL . . .	24,137,194	1,919,160	113·406	135,100·69	39,538·74	3,417	46,669	570·54	0·38

'A'—Includes 3723 diesel oil used in Steam power stations.

'B'—Includes 3577 diesel oil used in Steam power stations.

'C'—Includes 62471 diesel oil used in Steam power stations.

'D'—Includes 945 diesel oil used in Steam power stations.

'E'—Includes 2432 diesel oil used in Steam power stations.

'F'—Includes 18100 diesel oil used in Steam power stations.

'G'—Includes 11957 diesel oil used in Steam power stations.

'H'—Includes 100000 diesel oil used in Neyveli lignite power station.

@@—Includes 2446000 M.T. of lignite used in Neyveli lignite power station

£—Wood Fuel.

1.—All Diesel oil used by Gas Turbine Plant.

2.—The gas turbine at Naharkatia consume Natural gas. The figure therefore represents the diesel oil used only by diesel engine stations.

3.—Includes 299·15 M. kWh generated by Gas turbine at Naharkatia.

4.—The gas turbine at Dhuvaran consumes natural gas. The figure represents therefore the diesel oil used only by the diesel engine stations.

5.—Includes diesel oil consumed by gas turbine.

6.—Includes 134·83 M kWh generated by gas turbine at Dhuvaran.

7.—Includes 14·17 M kWh generated by gas turbine at Muradnagar.

\* Includes 449·27 M kWh energy generated by gas turbine consuming Natural Gas.

TABLE NO. 2-1-15

## Classification of Undertakings (Utilities) owing Generating Stations According to Ranges of Installed Capacity

Range of Installed Capacity (MW)	State Electricity Board			Government Department Electricity Department			Government Undertaking			Power Corporation		
	No. of undertakings	Aggregate installed capacity of the (MW)	Total energy generated by the group (M kWh)	No. of undertakings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (M kWh)	No. of Undertakings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (M kWh)	No. of undertakings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (M kWh)
1	2	3	4	5	6	7	8	9	10	11	12	13
Upto 1-001 . . . .	..	..	..	1	0.90	0.44	..	..	..	..	..	..
1.001 to 5-000 . . . .	..	..	..	5	15.37	12.30	..	..	..	..	..	..
5.001 to 10-000 . . . .	..	..	..	1	5.84	13.06	1	10.00	27.47	..	..	..
10-001 to 25-000 . . . .	..	..	..	1	15.00	6.31	..	..	..	..	..	..
25-001 to 50-000 . . . .	..	..	..	..	..	..	..	..	..	..	..	..
50-001 to 100-000 . . . .	2	146.58	472.52	1	72.00	272.66	1	96.00	144.30	..	..	..
Over 100-000 . . . .	16	12,091.73	45,627.49	3	1,100.75	5,207.38	5	1,825.00	6,225.55	1	1,301.50	4,465.45
<b>TOTAL</b> . . . .	<b>18</b>	<b>12,238.31</b>	<b>46,100.01</b>	<b>12</b>	<b>1,209.86</b>	<b>5,512.15</b>	<b>7</b>	<b>1,931.00</b>	<b>6,397.32</b>	<b>1</b>	<b>1,301.50</b>	<b>4,465.45</b>



TABLE No. 2·1·15—*contd.*

Range of installed capacity (MW)	Municipalities			Companies			Total		
	No. of undertakings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (M kWh)	No. of undertakings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (M kWh)	No. of undertakings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (MkWh)
1	14	15	16	17	18	19	20	21	22
Upto 1·000	..	..	..	7	3·35	3·28	8	4·25	3·72
1·001 to 5·000	3	5·34	6·16	5	14·72	20·34	13	35·42	38·80
5·001 to 10·000	1	6·22	7·12	1	8·38	26·54	4	30·44	74·19
10·001 to 25·000	..	..	..	3	47·00	200·08	4	62·00	206·39
25·001 to 50·000	..	..	..	..	..	..	..	..	..
50·001 to 100·000	..	..	..	..	..	..	4	314·58	889·48
Over 100·000	1	297·00	1,421·68	3	1,254·00	6,030·40	29	17,869·98	68,977·95
<b>TOTAL</b>	<b>5</b>	<b>308·56</b>	<b>1,434·96</b>	<b>19</b>	<b>1,327·45</b>	<b>6,280·64</b>	<b>62</b>	<b>18,316·67</b>	<b>70,190·53</b>

TABLE No. 2·1·16

*Classification of Undertakings (Utilities) Owing Generating Stations to Range of Generation*

Range of Generation (M kWh)	State Electricity Board		Government Department		Government Undertaking		Power Corporation	
	No. of undertakings	Total energy generated by the group (M kWh)	No. of undertakings	Total energy generated by the group (M kWh)	No. of undertakings	Total energy generated by the group (M kWh)	No. of undertakings	Total energy generated by the group (M kWh)
1	2	3	4	5	6	7	8	9
Under 1·000 . . . . .	..	..	3	0·85	..	..	..	..
1·001 to 10·000 . . . . .	..	..	4	18·20	..	..	..	..
10·001 to 25·000 . . . . .	..	..	1	13·06	..	..	..	..
25·001 to 50·000 . . . . .	..	..	..	..	1	27·47	..	..
50·001 to 100·000 . . . . .	..	..	..	..	..	..	..	..
100·001 to 250·000 . . . . .	1	169·37	..	..	1	144·30	..	..
250·001 to 500·000 . . . . .	1	3,03·15	2	712·09	..	..	..	..
500·001 to 1000·000 . . . . .	3	1,121·86	1	676·80	3	2,479·10	..	..
Above 1000·000 . . . . .	13	44,505·63	1	4,091·15	2	3,746·45	1	4,465·45
TOTAL . . . . .	18	46,100·01	12	5,512·15	7	6,397·32	1	4,465·45

TABLE No. 2·1·16—*contd.*

Range of generation (M kWh)	Municipalities		Companies		Total	
	No. of undertakings	Total energy generated by the group (M kWh)	No. of undertakings	Total energy generated by the group (M kWh)	No. of undertakings	Total energy generated by the group (M kWh)
1	10	11	12	13	14	15
Under 1·000 . . . . .	1	0·02	8	2·14	12	3·01
1·001 to 10·000 . . . . .	3	13·26	3	12·78	10	44·24
10·001 to 25·000 . . . . .	..	..	1	38·27	2	51·33
25·001 to 50·000 . . . . .	..	..	2	66·88	3	94·35
50·001 to 100·000 . . . . .	..	..	2	130·17	2	130·17
100·001 to 250·000 . . . . .	..	..	..	..	2	313·67
250·001 to 500·000 . . . . .	..	..	..	..	3	1,051·24
500·001 to 1000·000 . . . . .	..	..	..	..	7	4,277·76
Above 1000·000 . . . . .	1	1,421·68	3	6,030·40	21	64,260·76
<b>TOTAL</b> . . . . .	<b>5</b>	<b>1,434·96</b>	<b>19</b>	<b>6,280·64</b>	<b>62</b>	<b>70,190·53</b>

53

TABLE No. 2-1-17

*Classification of Undertakings Owing Generating Stations According to the Ranges of Generating Maximum Demand (Utility)*

Range of maximum demand (MW)	Public Sector									
	State Electricity Boards		Govt. Departments		Govt. Undertakings		Power Corpn.		Municipalities	
	No. of undertakings	Aggregate maximum demand of the group	No. of undertakings	Aggregate maximum demand of the group	No. of undertakings	Aggregate maximum demand of the group	No. of undertakings	Aggregate maximum demand of the group	No. of undertakings	Aggregate maximum demand of the group
1	2	3	4	5	6	7	8	9	10	11
Upto 0.500 . . . . .	..	..	..	0.29	..	..	..	..	..	..
0.501 to 1.000 . . . . .	..	..	..	..	..	..	..	..	2	1.30
1.001 to 2.500 . . . . .	..	..	4	6.93	..	..	..	..	1	1.86
2.501 to 10.000 . . . . .	..	..	3	12.19	1	8.00	..	..	1	3.84
10.001 to 25.000 . . . . .	..	..	..	..	..	..	..	..	..	..
25.001 to 50.000 . . . . .	1	35.15	..	..	1	37.50	..	..	..	..
50.001 to 100.000 . . . . .	1	79.16	1	60.00	..	..	..	..	..	..
Over 100.000 . . . . .	16	10,381.94	3	1,098.20	5	1,417.00	1	1,027.00	1	264.57
TOTAL . . . . .	18	10,496.25	12	1,177.61	7	1,462.50	1	1,027.00	5	271.57

TABLE No. 2·1·17—*contd.*

Range of maximum demand (MW)	Private Sector		Total	
	No. of undertakings	Aggregate maximum demand of the group (MW)	No. of undertakings	Aggregate maximum demand of the group (MW)
1	12	13	14	15
Upto 0·500 . . . . .	7	1·90	8	2·19
0·501 to 1·000 . . . . .	1	0·89	3	2·19
1·001 to 2·500 . . . . .	2	2·41	7	11·20
2·501 to 10·000 . . . . .	4	18·72	9	42·75
10·001 to 25·000 . . . . .	2	26·10	2	26·10
25·001 to 50·000 . . . . .	..	..	2	72·65
50·001 to 100·000 . . . . .	..	..	2	139·16
Over 100·000 . . . . .	3	1,091·70	29	15,280·41
<b>TOTAL</b> . . . . .	<b>19</b>	<b>1,141·72</b>	<b>62</b>	<b>15,576·65</b>

TABLE No. 2·1·18

*Classification of Hydro Power Stations According to the Range of Installed Plant Capacity (Utility)*

Range of installed plant capacity (MW)	No. of generating stations	Installed plant group total (MW)	Capacity percentage of total	Energy generated by the group (MKWH)	Average plant load factor%
1	2	3	4	5	6
Upto 1·000 . . . . .	24	7·12	0·09	11·39	18·26
1·001 to 10·000 . . . . .	21	90·12	1·20	312·63	39·00
10·001 to 50·000 . . . . .	35	1088·95	14·46	3945·99	41·37
50·001 to 100·000 . . . . .	16	1113·50	14·79	4373·18	44·83
Over 100·000 . . . . .	20	5229·55	69·46	19231·99	41·98
<b>TOTAL</b> . . . . .	116	7529·24	100·00	27875·18	42·26

TABLE No. 2·1·19

## Classification of Hydro Power sets According to Size (Utility)

Size of the generating sets	PUBLIC SECTOR									
	State Elec'y. Board		Govt. Deptts.		Govt. undertakings		Power Corporation		Municipalities	
	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)
1	2	3	4	5	6	7	8	9	10	11
<b>A.C. PLANT</b>										
Under 1·000 MW . . . .	61	15·72	1	0·80	..	..	..	..	16	6·11
1·000 to 5·000 MW . . . .	43	132·10	4	17·00	..	..	2	4·00	..	..
5·001 to 10·000 MW . . . .	46	372·60	9	79·20	..	..	..	..	..	..
10·001 to 20·000 MW . . . .	52	760·15	5	75·00	..	..	3	60·00	..	..
20·001 to 30·000 MW . . . .	21	519·50	3	63·75	..	..	..	..	..	..
30·001 to 50·000 MW . . . .	43	1795·00	..	..	..	..	1	40·00	..	..
Over 50·000 MW . . . .	30	2355·00	12	952·80	..	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>296</b>	<b>5950·07</b>	<b>34</b>	<b>1188·55</b>	<b>..</b>	<b>..</b>	<b>6</b>	<b>104·00</b>	<b>16</b>	<b>6·11</b>
<b>D. D.C. PLANT . . . . .</b>										
<b>TOTAL . . . . .</b>	<b>296</b>	<b>5950·07</b>	<b>34</b>	<b>1188·55</b>	<b>..</b>	<b>..</b>	<b>6</b>	<b>104·00</b>	<b>16</b>	<b>6·11</b>

TABLE No. 2.1.19—concl'd.

Size of the generating sets	Private SECTOR		Total		Percentage
	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)	Percentage of total hydro plant
1	12	13	14	15	16
<b>I. A. C. PLANT</b>					
Under 1.000 MW . . . . .	6	1.51	84	24.14	0.32
1.001 to 5.000 MW . . . . .	..	..	49	153.10	2.04
5.001 to 10.000 MW . . . . .	..	..	55	451.80	6.00
10.001 to 20.000 MW . . . . .	12	144.00	72	1039.15	13.80
20.001 to 30.000 MW . . . . .	6	135.00	30	718.25	9.54
30.001 to 50.000 MW . . . . .	..	..	44	1 835.00	24.37
Over 50.00MW . . . . .	..	..	42	3301.80	43.93
SUB-TOTAL . . . . .	24	280.51	376	7529.24	100.00
<b>I. D.C. PLANT</b>	..	..	..	..	..
<b>TOTAL . . . . .</b>	24	280.51	376	7529.24	100.00

TABLE No. 2.1.20

*Classification of Steam Power Stations According to the Range of Installed Plant Capacity (Utility)*

Range of Installed plant capacity	No of generat- ing stations	Installed Plant Capacity		Generati- on (MKWH)	Total capacity of boilers (Tonnes per hour)	Average capacity of boilers kg/hr/kw of genera- ting capacity	Average overall thermal efficiency	Average Plant Load Factor
		Group Total	Percentage of total					
1	2	3	4	5	6	7	8	9
Upto 1.000 MW . . . . .	2	1.02	0.01	..	9.53	9.34	..	..
1.001 to 10.000 KW . . . . .	22	125.82	1.29	324.45@@	774.26	6.15	8.72	29.44
10.001 to 50.000 KW . . . . .	26	544.20	5.58	1816.97	4237.34	7.79	16.18	38.11
50.001 to 100.00 KW . . . . .	14	1035.00	10.61	4784.09@	5546.51	5.36	22.28	52.77
Above 100.000 KW . . . . .	30	8046.50	82.51	32613.21	29922.84	3.72	26.85	46.27
TOTAL . . . . .	94	9752.54	100.00	39538.72	40490.48	4.15	25.17	46.28

@@ Includes 6.25 MKWH generation from Chandausi (Old) Power Station (6.40 MW) in U.P. which was deleted during 1974-75.

@ Includes 13.27 MKWH generation from Cossipore Power Station (52MW) in West Bengal which was deleted during 1974-75.



TABLE No. 2-1-21  
Classification of Steam Power Sets According to Size

Size of generating sets	PUBLIC SECTOR										PRIVATE SECTOR	
	State Elcey. Bd.		Govt. Deptt.		Govt. Undertakings		Power corpn.		Municipalities		Companies	
	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)	No. of sets	Aggregate plant capacity (MW)
1	2	3	4	5	6	7	8	9	10	11	12	13
<b>1. A.C. PLANT</b>												
Upto 1-000 MW . . . . .	12	11-75	2	1-10	..	..	..	..	..	..	..	..
1-001 to 5-000 MW . . . . .	72	252-84	..	..	..	..	..	..	1	5-00	25	97-88
5-001 to 10-000 MW . . . . .	21	169-75	..	..	1	10-00	..	..	4	39-60	4	30-00
10-001 to 20-000 MW . . . . .	18	266-25	..	..	6	96-00	..	..	1	15-00	12	200-00
20-001 to 30-000 MW . . . . .	18	540-00	..	..	2	60-00	..	..	..	..	9	270-00
30-001 to 50-000 MW . . . . .	19	914-00	..	..	6	300-00	..	..	1	36-60	2	100-00
Over 50-000 MW . . . . .	46	3796-50	..	..	9	825-00	12	1197-50	3	180-00	4	237-50
<b>SUB-TOTAL</b>	<b>206</b>	<b>5951-09</b>	<b>2</b>	<b>1-10</b>	<b>24</b>	<b>1291-00</b>	<b>12</b>	<b>1197-50</b>	<b>10</b>	<b>276-20</b>	<b>56</b>	<b>1035-38</b>
<b>2. D.C. PLANT</b>												
Under 1-000 MW . . . . .	..	..	..	..	..	..	..	..	..	..	3	0-27
<b>TOTAL</b>	<b>206</b>	<b>5951-09</b>	<b>2</b>	<b>1-10</b>	<b>24</b>	<b>1291-00</b>	<b>12</b>	<b>1197-50</b>	<b>10</b>	<b>276-20</b>	<b>59</b>	<b>1035-65</b>

59

TABLE No. 2·1·21—concl'd.

Size of generating sets	TOTAL		Percentage of total steam plant
	No. of sets	Aggregate plant	
1	14	15	16
<b>1. A.C. PLANT</b>			
Under 1·000 MW . . . . .	14	12·85	0·13
1·001 to 5·000 MW . . . . .	98	355·72	3·65
5·001 to 10·000 MW . . . . .	30	249·35	2·56
10·001 to 20·000 MW . . . . .	37	577·25	5·92
20·001 to 30·000 MW . . . . .	29	870·00	8·92
30·001 to 50·000 MW . . . . .	28	1350·60	13·85
Over 50·000 MW . . . . .	74	6336·50	64·97
SUB-TOTAL	310	9752·27	100·00
<b>2. D.C. PLANT.</b>			
Under 1·000 MW . . . . .	3	0·27	Neg.
TOTAL	313	9752·54	100·00

Neg.—Negligible.

TABLE No. 2·1·22

*Classification of Steam Power Stations According to Over all Thermal Efficiency (Utility)*

Overall Thermal efficiency	No. of generating stations	Aggregate installed capacity (MW)	Energy generated by the group (MKWH)
1	2	3	4
Under 10% . . . . .	10*	81·14*	132·52
Above 10% and upto 15% . . . . .	24	541·28	1459·68
Above 15% and upto 20% . . . . .	14	852·00	3117·35
Above 20% and upto 25% . . . . .	9	1289·00	6289·85
Above 25% and upto 30% . . . . .	22	4526·60	16740·82
Above 30% . . . . .	8	2446·50	11798·50
TOTAL	87*	9736·52*	39538·72

\* Does not include 7 no. of power stations having total aggregate capacity of 16·02 M.W. due to Nil generation.

TABLE No. 2·1·23

*Classification of Gas Turbine Power Stations According to Range of Installed Plant Capacity (Utility)*

Range of installed Plant capacity (MW)	No. of Generating Stations	Installed Plant capacity		Energy Generated by the Group (MKWH)	Fuel Consumption (Kilolitres)	Fuel Consumption in Lit/Kwh Generated	Average Plant Load Factor%	Remarks
		Group Total (MW)	Percentage of total					
<b>GAS TURBINE POWER STATIONS</b>								
Upto 10·000 . . . . .	1	10·00	6·04	..	..	..	..	..
10·001 to 25·000 . . . . .	2	32·50	19·64	15·29	11979	0·78	5·37	..
25·001 to 50·000 . . . . .	..	..	..	..	..	..	..	..
50·001 to 100·00 . . . . .	2	123·00	74·32	433·98	206·99	0·47	40·27	(Natural Gas Turbine)
					× 106 (Cub. Met)	Cub. Met/ Kwh.		
<b>TOTAL</b> . . . . .	<b>5</b>	<b>165·50</b>	<b>100·00</b>	<b>449·27</b>	<b>11979 K. Lits. of Diesel Oil &amp; 206·99</b>			
					× 106 Cub. Met of Gas.			

TABLE No. 2-1-24

*Classification of Gas Turbine Sets According to Size (ownershipwise) (Utilities)*

Size of the Generating Sets	PUBLIC SECTOR										PRIVATE SECTOR				Per-centage of total plant capacity
	State Elec-ty. Boards		Govt. Deptt.		Govt. Under-takings		Power corpo-ration		Municipalities		Companies		Total		
	No. of Sets	Aggre-gate Cap. (MW)	No. of Sets	Aggre-gate Cap. (MW)	No. of Sets	Aggre-gate Cap. (MW)	No. of Sets	Aggre-gate Cap. (MW)	No. of Sets	Aggre-gate Cap. (MW)	No. of Sets	Aggre-gate Cap. (MW)	No. of Sets	Aggre-gate Capacity (MW)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>GAS TURBINE PLANT</b>															
<b>I. A. C. PLANT</b>															
Up to 10-00 MW . . . . .	3	30-00	..	..	..	..	..	..	..	..	..	..	3	30-00	18-1
Above 10-00 MW . . . . .	6	135-50	..	..	..	..	..	..	..	..	..	..	6	135-50	81-9
<b>II. D. C. Plant . . . . .</b>	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>9</b>	<b>165-50</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>9</b>	<b>165-50</b>	<b>100-00</b>

TABLE No. 2-1-25

## Classification of Generating sets According to Type of Prime Mover and Ownership

Sl. No.	Type of Prime Mover	PUBLIC SECTOR									
		State Electricity Board		Govt. Departments		Government Under-taking			Power Corpn. Municipalities		
		No. of sets	Aggregate Capacity (MW)	No. of sets	Aggregate capacity (MW)	No. of sets	Aggregate Capacity (MW)	No. of sets	Aggregate Capacity (MW)	No. of sets	Aggregate Capacity (MW)
1	2	3	4	5	6	7	8	9	10	11	12
1	Water Turbine A. C. Generator . . . . .	296	5950.07	34	1188.55	..	..	6	104.00	16	6.11
	D. C. Generator . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	296	5950.07	34	1188.55	..	..	6	104.00	16	6.11
2	Steam Turbine A. C. Generator . . . . .	206	5951.09	2	1.10	24	1291.00	12	1197.50	10	276.20
	D. C. Generator . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	206	5951.09	2	1.10	24	1291.00	12	1197.50	10	276.20
3	Reciprocating Steam Engines A. C. Generator . . . . .	..	..	..	..	..	..	..	..	..	..
	D. C. Generator . . . . .	..	..	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	..	..	..	..	..	..	..	..	..	..

TABLE No. 2.1.25—contd.

1	2	3	4	5	6	7	8	9	10	11	12
4	Diesel Engines . . . . .										
	A. C. Generator . . . . .	3.85*	168.74	195@	20.21	..	..	..	..	32	26.25
	D. C. Generator . . . . .	20	2.91	..	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	405*	171.65	195@	20.21	..	..	..	..	32	26.25
5	Gas Turbine . . . . .										
	A. C. Generator . . . . .	9	165.50	..	..	..	..	..	..	..	..
	D. C. Generator . . . . .	..	..	..	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	9	165.50	..	..	..	..	..	..	..	..
6	Nuclear Turbine . . . . .										
	A. C. Generator . . . . .	..	..	..	..	3	640.00	..	..	..	..
	D. C. Generator . . . . .	..	..	..	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	..	..	..	..	3	640.00	..	..	..	..
	Total—A. C. Generator . . . . .	896	12235.41	231	1209.86	27	1931.00	18	1301.50	58	308.56
	Total—D. C. Generator . . . . .	20	2.91	..	..	..	..	..	..	..	..
	GRAND TOTAL . . . . .	916	12238.32	231	1209.86	27	1931.00	18	1301.50	58	308.56

\*This does not include No. of Diesel sets of Orissa State Electricity Board (0.55MW), U. P. State Electricity Board (2.99MW) and Rajasthan State Electricity Board (29.06MW) for want of data.

@Does not include No. of Diesel sets of Arunachal Pradesh (1.89MW) for want of setwise data.

TABLE NO. 2.1.25—contd.

Sl. No.	Type of prime mover	PRIVATE SECTOR		Total		Percentage of Total installed p nt capacity
		No. of Sets	Companies Aggregate capacity (MW)	No. of sets	Aggregate capacity (MW)	
1	2	13	14	15	16	17
1	Water Turbine					
	A.C. Generator . . .	24	280.51	376	7529.24	41.40
	D.C. Generator . . .	..	..	..	..	..
	SUB-TOTAL . . .	24	280.51	376	7529.24	41.10
2	Steam Turbine					
	A.C. Generator . . .	59	1035.65	313	9752.54	53.24
	D.C. Generator . . .	..	..	..	..	..
	SUB-TOTAL . . .	59	1035.65	313	9752.54	53.24
3	Reciprocating Steam Engines					
	A.C. Generator . . .	..	..	..	..	..
	D.C. Generator . . .	3	0.27	3	0.27	Neg.
	SUB-TOTAL . . .	3	0.27	3	0.27	..
4	Diesel Engines					
	A.C. Generator . . .	34	10.78	646	225.98	1.23
	D.C. Generator . . .	4	0.27	24	3.15	0.02
	SUB-TOTAL . . .	38	11.02	670*	229.13	1.25
5	Gas Turbine					
	A.C. Generator . . .	..	..	9	165.50	0.90
	D. C. Generator . . .	..	..	..	..	..
	SUB-TOTAL . . .	..	..	9	165.50	0.90
6	Nuclear Turbine . . .					
	A.C. Generator . . .	..	..	3	640.00	3.49
	D. C. Generator . . .	..	..	..	..	..
	SUB-TOTAL . . .	..	..	3	640.00	3.49
	Total —A.C. Generator . . .	117	1326.94	1347	18313.26	..
	D.C. Generator . . .	7	0.51	27	3.42	0.02
	GRAND TOTAL . . .	124	1327.45	1374	18316.68	100.00

Neg—Negligible

TABLE No. 2-1-26  
Plant Capacity and Generation By A. C. & D. C.

System of Generation	N. of generating stations	Installed Capacity		Generation (Mkwh)
		Aggregate Capacity	Percentage of total	
1	2	3	4	5
Alternating Current only	456*	18,313.26	99.98	70187.43
Direct Current	5	3.42	0.02	3.10
	461*	18,316.68	100.00	70190.53

\*...This does not include number of Diesel Stations of Arunachal Pradesh Electricity Department (1.89MW) for want of details;

H=116

S= 94

D=244

G= 5

A= 2

461

LEGEND

H- Hydro

S- Steam

G- Gas

D- Diesel

A- Atomic

TABLE No. 2-1-27

Classification of Generating Sets According to Voltage of Generation

Serial No.	No. of phase	Voltage of generation	Type of plant	PUBLIC SECTOR		PUBLIC		
				State Electricity Board		Govt. Departments		
				No. of Sets	Aggregate Capacity	No. of sets (MW)	Aggregate Capacity (MW)	
1		3	4	5	6	7	8	
<b>ALTERNATING CURRENT</b>								
1	3	33 KV	H	..	..	..	..	
2	3	10.5 to 13.8 KV	S	209	5790.15	30	1172.75	
			S	131	5588.00	..	..	
			Gas	9	165.50	..	..	
			A	..	..	..	..	
3	3	5 to 6.6 KV	H	23	77.80	3	15.00	
			S	48	288.54	..	..	
4	3	2 to 3.9 KV	H	34	77.76	..	..	
			S	26	73.80	..	..	
5	3	400 to 460 V	H	30	4.36	1(A)	0.80	
			S	1	0.75	2	1.10	
6	1	230 V	H	..	..	..	..	
			S	..	..	..	..	
<b>DIRECT CURRENT</b>								
7	3 Wire	400-500 V	H	..	..	..	..	
			S	..	..	..	..	
8	2 Wire	220 V	H	..	..	..	..	
			S	..	..	..	..	
<b>SUB-TOTALS :</b>				H	206	5950.07	34	1188.5
			S	206	5951.09	2	1.10	
			G	9	165.50	..	..	
			A	..	..	..	..	

LEGEND :

H- Hydro

S- Steam

G- Gas

A- Atomic

(A) Does not include the No. of Sets of Arunachal Pradesh due to non-availability setwise data.

166 12 737.25



TABLE No. 2-1-27—contd.

Serial No.	No. of phase	Voltage of generation	Type of plant	PUBLIC SECTOR		Power Corporation	
				Government undertaking		No. of Sets	Aggregate Capacity (MW)
				No. of Sets	Aggregate Capacity (MW)		
1	2	3	4	9	10	11	12
ALTERNATING CURRENT							
1	3	33KV	H	..	..	..	..
			S	..	..	..	..
2	3	10.5 to 13.8 KV	H	..	..	6	104.00
			S	20	1,207.00	12	1197.50
			Gas	..	..	..	..
			A	3	640.00	..	..
3	3	5 to 6.6 KV	H	..	..	..	..
			S	4	84.00	..	..
4	3	2 to 3.9 KV	H	..	..	..	..
			S	..	..	..	..
5	3	400 to 460 V	H	..	..	..	..
			S	..	..	..	..
6	1	230 V	H	..	..	..	..
			S	..	..	..	..
DIRECT CURRENT							
7	3 Wire	400- 500 V	H	..	..	..	..
			S	..	..	..	..
8	2 Wire	220 V	H	..	..	..	..
			S	..	..	..	..
SUB-TOTALS :			H	..	..	6	104.00
			S	24	1291.00	12	1197.50
			G	..	..	..	..
			A	3	640.00	..	..

LEGEND : H—Hydro  
S—Steam  
G—Gas  
A—Atomic

TABLE No. 2.1.27—concl'd.

Serial No.	No. of phase	Voltage of generation	Type of Plant	PUBLIC SECTOR		PRIVATE SECTOR		TOTAL		
				Municipalities		Companies		No. of sets	Aggregate capacity (MW)	
				No. of sets	Aggregate capacity (MW)	No. of sets	Aggregate capacity (MW)			
1	2	3	4	13	14	15	16	17	18	
ALTERNATING CURRENT										
1	3	33 KV	H	..	..	..	..	..	..	
			S	..	..	10	330.00	10	330.00	
2	3	10.5 to 13.8 KV	H	..	..	..	..	245	7066.90	
			S	6	250.80	24	575.00	193	8818.30	
			Gas	..	..	..	..	9	165.50	
			A	..	..	..	..	3	640.00	
3	3	5 to 6.6 KV	H	2	1.00	18	279.00	46	372.80	
			S	4	25.40	9	100.00	65	497.94	
4	3	2 to 3.9 KV	H	7	2.11	6	1.51	47	81.38	
			S	..	..	13	30.38	39	104.18	
5	3	400 to 460 V	H	7	3.00	..	..	38	8.16	
			S	..	..	..	..	3	1.85	
6	1	230 V	H	..	..	..	..	..	..	
			S	..	..	..	..	..	..	
DIRECT CURRENT										
7	3 Wire	400—500 V	H	..	..	..	..	..	..	
			S	..	..	3	0.27	3	0.27	
8	2 Wire	220 V	H	..	..	..	..	..	..	
			S	..	..	..	..	..	..	
SUB-TOTALS :				H	16	6.11	24	280.51	376	7529.24
				S	10	276.20	59	1035.65	313	9752.54
				G	..	..	..	..	9	165.50
				A	..	..	..	..	3	640.00

LEGEND : H—Hydro  
S—Steam  
G—Gas  
A—Atomic

**SECTION--2·2**  
**INSTALLED CAPACITY AND GENERATION BY SELECTED INDUSTRIES**

TABLE NO. 2.2.1

Statewise Installed Generation Plant Capacity of Selected Industries in K.W. during the year 1974-75

Serial No.	Name of State/U. T.	Aluminium	Aluminium	Automobile	Cement	
		(P)	(S)		(P)	(S)
1	2	3	4	5	6	7
1	Andhra Pradesh	..	..	..	2,030	..
2	Assam	..	..	..	..	..
3	Bihar	..	..	..	32000	..
4	Gujarat	..	..	..	16463	..
5	Haryana	..	..	120	2500	1430
6	Karnataka	350	..	2176	10950	..
7	Kerala	..	3810	..	..	295
8	Madhya Pradesh	..	..	..	19655	..
9	Maharashtra	..	..	754	..	150
10	Orissa	..	210	..	370	..
11	Punjab	..	..	..	..	..
12	Rajasthan	..	..	..	30000	..
13	Tamil Nadu	..	..	..	1665	436
14	Uttar Pradesh	125000	..	..	567	..
15	West Bengal	18450	294	1320	..	170
16	Jammu & Kashmir	..	..	..	..	..
<i>Union Territories</i>						
	(a) Delhi	..	..	..	..	..
	(b) Rest	..	..	..	..	..
TOTAL		143800	4314	4370	116200	2481

TABLE NO. 2.2.1—contd.

Serial No.	Name of State/U. T.	Chemicals	Collieries	Engine-ring(Elect)	Fertilizer	Food Products	Heavy Engg.	I & S (P)
		8	9	10	11	12	13	14
1	2	8	9	10	11	12	13	14
1	Andhra Pradesh	285	39700	440	228	1440	298	..
2	Assam	205	1363	..	250	..	..	..
3	Bihar	..	14000	..	80000	..	750	255000
4	Gujarat	40136	..	..	2190	..	..	..
5	Haryana	464	..	1385	..	120	..	..
6	Karnataka	900	..	2750	..	..	1500	1,780
7	Kerala	1896	..	..	17275	120	..	..
8	Madhya Pradesh	..	4600	3100	..	..	..	36,000
9	Maharashtra	19745	..	2505	500	894	2600	..
10	Orissa	..	..	..	..	..	..	140150
11	Punjab	645	..	..	545	867	..	..
12	Rajasthan	500	..	..	35160	..	..	..
13	Tamil Nadu	5057	..	820	1074	416	1480	..
14	Uttar Pradesh	13050	..	1268	..	671	13037	..
15	West Bengal	2525	..	2222	2250	..	1255	80000
16	Jammu & Kashmir	..	..	..	..	..	..	..
<i>Union Territories</i>								
	(a) Delhi	14750	..	..	..	..	..	..
	(b) Rest	..	..	..	..	..	..	..
TOTAL		100158	59663	14490	139472	4528	20920	512910

TABLE NO. 2.2.1—*contd.*

Serial No.	Name of State/U. T.	I & S. (8)	Jute	Light Engg.	Mineral oil & Patroleum	Mining & Quarrying	Misc.
1	2	15	16	17	18	19	20
1	Andhra Pradesh	..	952	..	75	..	291
2	Assam	..	..	..	11306	..	631
3	Bihar	..	3095	..	24000	150	975
4	Gujarat	190	..	572	24000	200	..
5	Haryana	443	..	265	..	..	1420
6	Karnataka	..	..	..	..	350	..
7	Kerala	..	..	128	..	..	540
8	Madhya Pradesh	..	..	..	..	..	..
9	Maharashtra	450	..	2040	..	..	2538
10	Orissa	..	..	..	..	..	..
11	Punjab	..	..	133	..	..	..
12	Rajasthan	..	..	1455	..	..	..
13	Tamil Nadu	..	..	2592	22400	..	874
14	Uttar Pradesh	..	750	4136	..	..	2674
15	West Bengal	288	31185	..	31625	..	4288
16	Jammu & Kashmir	..	..	133	..	..	..
<i>Union Territories</i>							
	(a) Delhi	..	..	..	..	1449	630
	(b) Rest	..	..	..	..	..	..
TOTAL		1371	35622	13354	113406	2149	14911

TABLE NO. 2.2.1—*concl'd.*

Serial No.	Name of State/U. T.	Non-Ferrous	Paper	Plastic	Rub' er	Sugar	Textile	Total
1	2	21	22	23	24	25	26	27
1	Andhra Pradesh	..	36480	2970	..	27975	3946	116750
2	Assam	..	..	..	..	..	..	13755
3	Bihar	6350	..	..	..	18743	..	435063
4	Gujarat	..	12000	..	..	11342	25425	132518
5	Haryana	..	9730	..	455	4638	8661	33531
6	Karnataka	6772	10753	..	..	9555	5006	62822
7	Kerala	..	180	..	..	3305	11889	39438
8	Madhya Pradesh	610	20580	..	..	4054	31261	119860
9	Maharashtra	..	7820	404	975	73575	45849	160785
10	Orissa	410	11700	..	..	448	..	153288
11	Punjab	..	..	..	..	3234	4040	9464
12	Rajasthan	2610	..	..	..	640	12022	82387
13	Tamil Nadu	..	5000	..	1131	30973	45366	119284
14	Uttar Pradesh	..	4000	..	..	68266	15184	248603
15	West Bengal	..	23850	..	..	1022	80	205824
16	Jammu & Kashmir	..	..	..	..	..	..	133
<i>Union Territories</i>								
	(a) Delhi	..	..	..	..	..	10100	24850
	(b) Rest	..	..	..	..	2443	1424	5946
TOTAL		16752	147093	3310	2561	270213	220253	1964301

TABLE No. 2.2.2

Statewise Electricity Generated (Gross) in Million KWH in Selected Industries during the year 1974-75

Serial No.	Name of State/UT	Aluminium (Primary)	Aluminium (Secondary)	Automobile	Cement (Primary)
1	2	3	4	5	6
1	Andhra Pradesh				2.348
2	Assam	..	..	..	..
3	Bihar	..	..	..	131.130
4	Gujarat	..	..	..	61.744
5	Haryana	..	..	..	1.044
6	Karnataka	..	..	1.696	15.053
7	Kerala	..	5.701	..	..
8	Madhya Pradesh	..	..	0.982	83.074
9	Maharashtra	..	..	..	..
10	Orissa	..	0.009	..	..
11	Punjab	..	..	..	..
12	Rajasthan	..	..	..	94.984
13	Tamil Nadu	..	..	..	1.602
14	Uttar Pradesh	892.705	..	..	..
15	West Bengal	..	0.114	0.270	..
<i>Union Territories</i>					
	(a) Delhi	..	..	..	..
	(b) Rest	..	..	..	..
	Jammu & Kashmir	..	..	..	..
	<b>TOTAL</b>	<b>892.705</b>	<b>5.824</b>	<b>2.948</b>	<b>390.979</b>

TABLE No. 2.2.2—contd.

Serial No.	Name of State/UT	Cement (Secondary)	Chemical	Collieries	Electrical Engineering	Fertilizer
1	2	7	8	9	10	11
1	Andhra Pradesh					
2	Assam	..	0.007	123.577	0.244	0.284
3	Bihar	..	..	0.056	..	0.002
4	Gujarat	..	..	56.260	..	398.479
5	Haryana	..	131.937	..	..	..
6	Karnataka	2.436	1.307	..	0.504	..
7	Kerala	..	2.169	..	2.238	..
8	Madhya Pradesh	..	1.493	..	..	559.46
9	Maharashtra	0.122	..	10.965	7.208	..
10	Orissa	..	7.472	..	1.665	0.002
11	Punjab	..	..	..	..	..
12	Rajasthan	..	..	..	..	..
13	Tamil Nadu	..	0.006	..	..	180.232
14	Uttar Pradesh	0.511	12.182	..	0.304	1.600
15	West Bengal	0.068	31.455	..	2.820	..
			2.499	..	0.573	2.377
<i>Union Territories</i>						
	(a) Delhi	..	..	..	..	..
	(b) Rest	..	76.392	..	..	..
	Jammu & Kashmir	..	..	..	..	..
	<b>TOTAL</b>	<b>3.137</b>	<b>266.719</b>	<b>190.858</b>	<b>15.556</b>	<b>638.924</b>

TABLE No. 2.2.2—cont.

Serial No.	Name of State/UT	Food Product	Heavy Engineering	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Light Engineering
1	2	12	13	14	15	16	17
1	Andhra Pradesh . . . . .	1.384	0.057	..	..	0.535	..
2	Assam . . . . .	..	..	..	..	..	..
3	Bihar . . . . .	..	..	820.335	..	6.470	..
4	Gujarat . . . . .	..	..	..	0.060	..	0.059
5	Haryana . . . . .	0.017	..	..	0.234	..	3.277
6	Karnataka . . . . .	..	0.501	0.009	..	..	..
7	Kerala . . . . .	0.008	..	..	..	..	0.001
8	Madhya Pradesh . . . . .	..	..	174.868	..	..	..
9	Maharashtra . . . . .	0.451	3.552	..	0.461	..	1.972
10	Orissa . . . . .	..	..	546.491	..	..	..
11	Punjab . . . . .	0.683	..	..	..	..	0.620
12	Rajasthan . . . . .	..	..	..	..	..	0.133
13	Tamil Nadu . . . . .	0.511	0.654	..	..	..	2.575
14	Uttar Pradesh . . . . .	0.298	51.185	..	..	1.681	0.078
15	West Bengal . . . . .	..	0.017	205.811	0.034	57.866	..
	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	..	..
	Jammu & Kashmir . . . . .	..	..	..	..	..	0.020
	<b>TOTAL</b>	<b>3.352</b>	<b>55.966</b>	<b>1,747.514</b>	<b>0.839</b>	<b>66.552</b>	<b>8.735</b>

TABLE No. 2.2.2—contd.

Serial No.	Name of State/UT	Mineral oil & petroleum	Mining & quarrying	Miscellaneous	Non-ferrous	Paper
1	2	18	19	20	21	22
1	Andhra Pradesh . . . . .	..	..	0.401	..	135.202
2	Assam . . . . .	45.153	..	0.017	..	..
3	Bihar . . . . .	109.569	0.033	0.494	18.588	..
4	Gujarat . . . . .	184.913	0.045	..	..	39.308
5	Haryana . . . . .	..	..	2.856	..	69.307
6	Karnataka . . . . .	..	..	..	0.022	38.669
7	Kerala . . . . .	..	..	0.058	..	0.014
8	Madhya Pradesh . . . . .	..	..	..	0.036	90.238
9	Maharashtra . . . . .	..	..	1.109	..	5.788
10	Orissa . . . . .	..	..	..	0.004	66.075
11	Punjab . . . . .	..	..	..	..	..
12	Rajasthan . . . . .	..	..	..	0.153	..
13	Tamil Nadu . . . . .	101.015	..	0.360	..	13.565
14	Uttar Pradesh . . . . .	..	..	4.521	..	16.962
15	West Bengal . . . . .	55.208	..	0.642	..	100.885
	<i>Union Territories</i>					
	(a) Delhi . . . . .	..	..	..	..	..
	(b) Rest . . . . .	..	0.025	0.236	..	..
	Jammu & Kashmir . . . . .	..	..	..	..	..
	<b>TOTAL</b>	<b>495.858</b>	<b>0.103</b>	<b>10.694</b>	<b>18.803</b>	<b>578.013</b>

TABLE No. 2.2.2—concl'd.

Serial No.	Name of State/UT	Plastic	Rubber	Sugar	Textile	Total
1	2	23	24	25	26	27
1	Andhra Pradesh . . . . .	7.780	..	60.004	11.161	342.984
2	Assam . . . . .	..	..	..	..	45.228
3	Bihar . . . . .	..	..	12.860	..	1,554.218
4	Gujarat . . . . .	..	..	14.003	68.723	500.792
5	Haryana . . . . .	..	0.030	9.216	19.653	109.931
6	Karnataka . . . . .	..	..	33.789	12.206	106.352
7	Kerala . . . . .	..	..	5.363	26.296	94.880
8	Madhya Pradesh . . . . .	..	..	4.000	120.974	491.363
9	Maharashtra . . . . .	..	0.349	140.190	111.386	275.501
10	Orissa . . . . .	..	..	0.722	..	614.301
11	Punjab . . . . .	..	..	7.800	5.582	14.687
12	Rajasthan . . . . .	..	..	0.552	1.405	277.465
13	Tamil Nadu . . . . .	..	0.976	88.297	108.593	332.745
14	Uttar Pradesh . . . . .	..	..	107.279	29.070	1,138.054
15	West Bengal . . . . .	..	..	..	0.052	426.913
	<i>Union Territories</i>			0.497		
	(a) Delhi . . . . .	..	..	..	42.450	118.842
	(b) Rest . . . . .	..	..	5.202	0.910	6.373
	Jammu & Kashmir . . . . .	..	..	..	..	0.020
	<b>TOTAL</b>	<b>7.780</b>	<b>1.355</b>	<b>489.774</b>	<b>558.461</b>	<b>6,451.649</b>

TABLE No. 2.2.3

Serial No.	Range of Installed Capacity (K.W.)	No. of Industrial establishments	Aggregate Installed Capacity (K.W.)	Percentage to Total	Energy Generated by the group (Mk. Wh.)	Percentage to total energy generated
1	2	3	4	5	6	7
1	1—1000 . . . . .	402	153,045	7.79	157.584	2.44
2	1001—10000 . . . . .	199	592,941	30.19	1,332.710	20.66
3	10001—25000 . . . . .	28	435,515	22.17	1,674.466	25.95
4	25001 & above . . . . .	10	782,800	39.85	3,286.889	50.95
	<b>TOTAL</b>	<b>639</b>	<b>1,964,301</b>	<b>100.00</b>	<b>6,451.649</b>	<b>100.00</b>



TABLE NO. 2·2·4

*Zonewise installed Plant Capacity and Energy Generated by the Indian Railways during the year 1974-75*

Serial No.	Name of Railways	Installed Capacity (K.W.)				Maximum Demand K.V.A.
		Steam	Diesel	Hydro	Total	
1	2	3	4	5	6	7
1	Central Railway*	2,290	3,305	..	5,595	950
2	Eastern Railway	8,300	..	..	8,300	3,125
3	Northern Railway	4,900	7,323	..	12,223	17,800
4	North Eastern Railway (R)	3,000	2,263	..	5,263	7,481
5	North East Frontier Railway	..	10,044	..	10,044	10,030
6	Southern Railway (R)	..	377	..	377	140
7	South Central Railway	..	2,854	..	2,854	5,989
8	South Eastern Railway (R)	7,160	25	..	7,185	2,988
9	Western Railway (R)	7,800	4,629	..	12,429	5,620
	TOTAL	33,450	30,820	..	64,270	53,223

(R)—The data have been repeated for the previous year since the data are not available.

\*—Excludes Kalyan Power House which is taken under utility.

Serial No.	Name of Railways	Energy Generated (M. kwh)				Energy used in Aux.	Fuel consumed		
		Steam	Diesel	Hydro	Total		Coal (Tonnes)	Furnace oil (K.L.)	H.S.D. (K.L.)
1	2	8	9	10	11	12	13	14	15
1	Central Railway*	..	0·116	..	0·116	..	..	..	47
2	Eastern Railway	10·827	..	..	10·827	1·032	16,430	..	..
3	Northern Railway	0·501	1·836	..	2·337	0·245	6,481	..	923
4	North Eastern Railway (R)	0·036	0·257	..	0·293	0·020	96	..	88
5	North East Frontier Railway	..	6·230	..	6·230	0·337	..	..	1,981
6	Southern Railway (R)	..	0·004	..	0·004	Neg.	..	..	Neg.
7	South Central Railway	..	0·861	..	0·861	0·008	..	..	347
8	South Eastern Railway (R)	7·317	0·011	..	7·328	1·187	12,873	..	8
9	Western Railway (R)	7·188	1·120	..	8·308	0·706	10,683	..	449
	TOTAL	25·869	10·435	..	36·304	3·535	46,563	..	3,843

(R)—The data have been repeated for the previous year since the data are not available.

\*—Excludes Kalyan Power House which is taken under utility.

TABLE NO. 2·2·5

*Statewise Installed Plant Capacity & Energy Generation by the India Railway during the year 1974-75*

Serial No.	Name of State/UT	Installed Plant Capacity (K.W.)				Maximum Demand K.V.A.
		Steam	Diesel	Hydro	Total	
1	2	3	4	5	6	7
1	Andhra Pradesh . . . . .	..	721	..	721	2,069
2	Assam . . . . .	..	5,407	..	5,407	6,026
3	Bihar . . . . .	8,300	1,446	..	9,746	6,328
4	Gujarat . . . . .	3,300	1,928	..	5,228	2,153
5	Haryana . . . . .	..	752	..	752	4,835
6	Jammu & Kashmir . . . . .	..	..	..	..	..
7	Karnataka . . . . .	..	1,315	..	1,315	1,706
8	Kerala . . . . .	..	71	..	71	..
9	Madhya Pradesh . . . . .	..	1,305	..	1,305	506
10	Maharashtra . . . . .	2,290	1,241	..	3,531	1,464
11	Nagaland . . . . .	..	150	..	150	56
12	Orissa . . . . .	..	..	..	..	..
13	Punjab . . . . .	..	1,398	..	1,398	2,350
14	Rajasthan . . . . .	4,500	5,401	..	9,901	7,096
15	Tamil Nadu . . . . .	..	282	..	282	140
16	Tripura . . . . .	..	10	..	10	31
17	Uttar Pradesh . . . . .	7,900	5,161	..	13,061	8,771
18	West Bengal . . . . .	7,160	3,871	..	11,031	5,373
	<i>Union Territories</i>					
	(a) Delhi . . . . .	..	361	..	361	4,319
	(b) Rest . . . . .	..	..	..	..	..
	<b>TOTAL . . . . .</b>	<b>33,450</b>	<b>30,820</b>	<b>..</b>	<b>64,270</b>	<b>53,223</b>

TABLE NO. 2.2.5—concl'd.

Sl. No.	Name of State/U T	Energy Generated (Mk Wh)				Energy used in Aux.	Fuel consumed			Remarks
		Steam	Diesel	Hydro	Total		Coal (Tonne)	Furnace oil (K.L.)	H.S.D. (K.L.)	
1	2	8	9	10	11	12	13	14	15	16
1	Andhra Pradesh . . . . .	..	0.151	..	0.151	0.002	..	..	58	
2	Assam . . . . .	..	3.659	..	3.659	0.337	..	..	1,086	
3	Bihar . . . . .	10.827	0.466	..	11.293	1.042	16,430	..	184	
4	Gujarat . . . . .	6.106	0.166	..	6.272	0.498	7,430	..	52	
5	Haryana . . . . .	..	0.191	..	0.191	0.014	..	..	90	
6	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	
7	Karnataka . . . . .	..	0.443	..	0.443	0.004	..	..	188	
8	Kerala . . . . .	..	..	..	..	..	..	..	..	Generation not recorded.
9	Madhya Pradesh . . . . .	..	0.077	..	0.077	0.003	..	..	27	
10	Maharashtra . . . . .	..	0.273	..	0.273	0.003	..	..	104	
11	Nagaland . . . . .	..	0.009	..	0.009	..	..	..	3	
12	Orissa . . . . .	..	..	..	..	..	..	..	..	
13	Punjab . . . . .	..	0.383	..	0.383	0.010	..	..	180	
14	Rajasthan . . . . .	1.082	1.741	..	2.823	0.225	3,254	..	866	
15	Tamil Nadu . . . . .	..	0.004	..	0.004	..	..	..	2	
16	Tripura . . . . .	..	0.014	..	0.014	..	..	..	4	
17	Uttar Pradesh . . . . .	0.537	0.557	..	1.094	0.211	6,576	..	182	
18	West Bengal . . . . .	7.317	2.286	..	9.603	1.186	12,873	..	807	
	<i>Union Territories</i>									
	(a) Delhi . . . . .	..	0.015	..	0.015	Neg.	..	..	10	
	(b) Rest . . . . .	..	..	..	..	..	..	..	..	
	<b>TOTAL</b> . . . . .	<b>25.869</b>	<b>10.435</b>	<b>..</b>	<b>36.304</b>	<b>3.535</b>	<b>46,563</b>	<b>..</b>	<b>3,843</b>	

---

**TECHNICAL STATISTICS**  
**SECTION 3**  
**TRANSMISSION AND DISTRIBUTION LINES AND TRANSFORMERS AS ON 31-3-1975**  
**(UTILITIES ONLY)**

---

TABLE No. 3·1·1

Statewise length of Transmission Lines and Distribution Lines of Utilities As on 31-3-1975 (in cum Km.)

Sl. No.	State/Power Corporation	Distribution lines upto 500 V	3·3/2·2 KV		6·6/1·5 KV	
			O.H.	U.G.	O.H.	U.G.
1	2	3	4	5	6	7
1	Andhra Pradesh . . .	69,478	..	..	..	..
2	Assam (A) . . . . .	4,956	4	..	40	2
3	Bihar . . . . .	4,502	32	7	55	5
4	Gujarat . . . . .	44,348	121	147	6	..
5	Haryana . . . . .	46,991	..	..	..	..
6	Himachal Pradesh . . .	8,576	..	..	..	..
7	Jammu & Kashmir . . .	6,545	..	..	85	..
8	Karnataka . . . . .	112,736	1,387	52	..	..
9	Kerala . . . . .	27,417	35	..	3	..
10	Madhya Pradesh . . . .	54,817	121	43	28	..
11	Maharashtra . . . . .	92,425	31	2	66	934
12	Manipur (R) . . . . .	735	..	..	..	..
13	Nagaland . . . . .	756	..	..	..	..
14	Orissa . . . . .	11,452	30	..	..	..
15	Punjab* . . . . .	38,604	..	..	..	..
16	Rajasthan . . . . .	33,845	39	..	63	..
17	Tamil Nadu . . . . .	199,643	..	..	3	53
18	Tripura . . . . .	270	..	..	..	..
19	Uttar Pradesh . . . . .	70,167	173	136	135	427
20	West Bengal . . . . .	16,490	45	65	379	1,371
21	D.V.C. . . . .	..	..	..	..	..
	<i>Union Territories</i>					
	(a) A. & N. Islands . .	188	..	..	43	..
	(b) Arunachal Pradesh .	181	..	..	..	..
	(c) Chandigarh . . . . .	501	..	..	..	..
	(d) Dadra & Nagar Haveli (R) . . . . .	56	..	..	..	..
	(e) Delhi . . . . .	8,519	..	..	39	155
	(f) Goa, Daman & Diu . .	1,545	..	..	..	..
	(g) Lakshadweep . . . .	79	5	..	..	..
	(h) Pondicherry . . . . .	1,896	8	..	..	..
	<b>TOTAL ALL-INDIA . . .</b>	<b>892,718</b>	<b>2,031</b>	<b>452</b>	<b>945</b>	<b>3,447</b>

TABLE No. 3·1·1—contd.

Sl. No.	State/Power Corporation	15/11 KV		22/20 KV		33 KV		78/66 KV 44/37·5 KV	
		O.H.	U.G.	O.H.	U.G.	O.H.	U.G.	O.H.	O.H.
1	2	8	9	10	11	12	13	14	15
1	Andhra Pradesh . . .	44,174	..	..	..	7,060	..	..	2,048
2	Assam . . . . .	5,440	..	..	..	3,207	..	..	402
3	Bihar . . . . .	29,237	47	..	..	10,441	..	..	..
4	Gujarat . . . . .	30,607	265	5,574	..	3,629	..	..	4,225
5	Haryana . . . . .	29,883	..	..	..	2,589	..	..	813
6	Himachal Pradesh . . .	3,774	398	1,535	..	873	..	..	87
7	Jammu & Kashmir . . .	3,450	..	..	..	605	..	..	264
8	Karnataka . . . . .	50,178	266	..	..	2,729	..	..	2,806
9	Kerala . . . . .	9,915	22	160	..	..	..	..	1,711
10	Madhya Pradesh . . . .	32,279	40	..	..	13,260	..	6	322
11	Maharashtra . . . . .	48,565	857	8,339	482	6,182	..	..	2,445
12	Manipur (R) . . . . .	500	..	..	..	200	..	..	..
13	Nagaland . . . . .	473	..	..	..	554	..	..	20
14	Orissa . . . . .	13,850	72	..	..	5,432	..	..	340
15	Punjab* . . . . .	22,630	42	..	..	3,045	..	..	1,189
16	Rajasthan . . . . .	22,512	89	..	..	9,131	..	..	415
17	Tamil Nadu . . . . .	39,029	669	16,420	..	2,700	80	..	3,235
18	Tripura . . . . .	500	..	..	..	235	..	..	..
19	Uttar Pradesh . . . . .	89,202	1,340	..	..	14,124	80	2,906	2,790
20	West Bengal . . . . .	20,650	286	..	60	3,176	494	..	624
21	D.V.C. . . . .	..	..	..	..	487	..	..	..
	<i>Union Territories</i>								
	(a) A & N Islands . . .	..	..	..	..	..	..	..	..
	(b) Arunachal Pradesh . .	32	..	..	..	112	..	..	27
	(c) Chandigarh . . . . .	302	..	..	..	19	..	..	..
	(d) Dadra & Nagar Ha- veli (R) . . . . .	..	..	..	..	..	..	..	..
	(e) Delhi . . . . .	1,570	1,337	..	..	248	240	..	..
	(f) Goa, Daman & Diu . .	989	..	..	..	320	..	..	68
	(g) Lakshadweep . . . .	..	..	..	..	..	..	..	..
	(h) Pondicherry . . . . .	101	..	335	..	..	..	..	..
	TOTAL ALL-INDIA . . .	499,916	5,730	32,363	542	90,358	894	2,912	24,731

TABLE No. 3.1.1—concl'd.

Sl. No.	State/Power Corporation	110/90 KV	132 KV	220 KV	230 KV	Total circuit KM
		O.H.	O.H.	O.H.	O.H.	
1	2	16	17	18	19	20
1	Andhra Pradesh . . . . .	..	3,728	1,390	..	128,778
2	Assam (A) . . . . .	..	681	93	..	14,825
3	Bihar . . . . .	..	2,435	683	..	83,444
4	Gujarat . . . . .	..	2,670	1,432	..	92,024
5	Haryana . . . . .	..	934	..	..	81,210
6	Himachal Pradesh . . . . .	..	17	..	..	15,260
7	Jammu & Kashmir . . . . .	..	370	..	..	11,319
8	Karnataka . . . . .	3,619	..	2,381	..	176,154
9	Kerala . . . . .	1,350	..	316	..	40,929
10	Madhya Pradesh . . . . .	..	4,501	1,471	..	106,888
11	Maharashtra . . . . .	2,581	2,970	1,495	..	167,374
12	Manipur (R) . . . . .	..	..	..	..	1,435
13	Nagaland . . . . .	..	..	..	..	1,803
14	Orissa . . . . .	..	1,581	1,206	..	33,963
15	Punjab* . . . . .	..	1,794	2,272@	..	69,576
16	Rajasthan . . . . .	..	2,492	919	..	69,505
17	Tamil Nadu . . . . .	5,632	..	..	1,679	269,143
18	Tripura . . . . .	..	148	..	..	1,153
19	Uttar Pradesh. . . . .	..	4,851	2,399	..	188,730
20	West Bengal . . . . .	..	1,741	266	..	6,147
21	D.V.C. . . . .	..	2,660	..	..	3,147
<i>Union Territories</i>						
	(a) A & N Islands . . . . .	..	..	..	..	231
	(b) Arunachal Pradesh . . . . .	..	..	..	..	352
	(c) Chandigarh . . . . .	..	..	..	..	822
	(d) Dadra & Nagar Haveli (R) . . . . .	..	..	..	..	130
	(e) Delhi . . . . .	..	..	52	..	12,160
	(f) Goa, Daman & Diu . . . . .	..	..	..	..	2,922
	(g) Lakshadweep . . . . .	..	..	..	..	84
	(h) Pondicherry . . . . .	..	..	..	..	2,340
<b>TOTAL ALL-INDIA</b> . . . . .		<b>13,182</b>	<b>33,573</b>	<b>16,375</b>	<b>1,679</b>	<b>1,621,848</b>

\*—Includes transmission lines controlled by B.M.B.

(A)— Includes Meghalaya and Mizoram.

@— Figures for B.M.B. seems to be wrongly reported last year.

(R)— Data repeated.

TABLE No. 3-1-2  
*State-wise Length of Transmission and Distribution Lines Added during 1974-75*  
*Circuit Kilometres (Net Additions)*

Sl. No.	State/Power Corporation	Distribution lines upto 500V	3-3/2-2 KV		6-6/5 KV	
			O.H.	U.G.	O.H.	U.G.
1	2	3	4	5	6	7
1	Andhra Pradesh . . . . .	2,240	..	..	..	..
2	Assam . . . . .	449	(-)-36	(-)-2	40	2
3	Bihar . . . . .	3,334	..	1	(-)-187	(-)-47
4	Gujarat . . . . .	4,449	10	(-)-22	..	(-)-2
5	Haryana . . . . .	2,227	..	..	..	..
6	Himachal Pradesh . . . . .	1,304	14	(-)-65	..	..
7	Jammu & Kashmir . . . . .	2,545	..	..	(-)-245	..
8	Karnataka . . . . .	7,281	(-)-2,311	(-)-103	..	..
9	Kerala . . . . .	315	..	..	..	..
10	Madhya Pradesh . . . . .	6,134	66	..	(-)-1	..
11	Maharashtra . . . . .	2,248	1	..	(-)-17	(-)-23
12	Manipur . . . . .	..	..	..	..	..
13	Nagaland . . . . .	231	..	..	..	..
14	Orissa . . . . .	1,858	..	(-)-3	..	..
15	Punjab . . . . .	2,562	..	..	..	..
16	Rajasthan . . . . .	3,174	..	..	(-)-6	..
17	Tamil Nadu . . . . .	2,311	..	..	(-)-87	(-)-15
18	Tripura . . . . .	10	..	..	..	..
19	Uttar Pradesh . . . . .	5,397	(-)-2	(-)-88	(-)-60	(-)-56
20	West Bengal . . . . .	2,955	(-)-34	27	31	29
21	D.V.C. . . . .	..	..	..	..	..
	<i>Union Territories</i>					
	(a) A & N Islands . . . . .	5	..	..	3	..
	(b) Arunachal Pradesh . . . . .	(-)-7	..	..	..	..
	(c) Chandigarh . . . . .	82	..	..	..	..
	(d) D & N Haveli 'R' . . . . .	..	..	..	..	..
	(e) Delhi . . . . .	762	..	..	..	..
	(f) Goa, Daman & Diu . . . . .	28	..	..	..	..
	(g) Lakshadweep . . . . .	79	..	..	..	..
	(h) Pondicherry . . . . .	60	..	..	..	..
	<b>TOTAL ALL-INDIA</b> . . . . .	<b>52,083</b>	<b>(-)-2,320</b>	<b>(-)-255</b>	<b>(-)-529</b>	<b>(-)-112</b>



TABLE No. 3·1·2—contd.

Sl. No.	State/Power Corporation	15/11 KV		22/20 KV		33 KV		44/37·5 KV
		O.H.	U.G.	O.H.	U.G.	O.H.	U.G.	O.H.
1	2	8	9	10	11	12	13	14
1	Andhra Pradesh . . . . .	680	..	..	..	235	..	..
2	Assam . . . . .	532	..	..	..	92	..	..
3	Bihar . . . . .	231	12	..	..	3,524	..	..
4	Gujarat . . . . .	3,615	(—)172	311	..	67	..	..
5	Haryana . . . . .	593	..	..	..	129	..	..
6	Himachal Pradesh . . . . .	312	90	139	..	55	..	..
7	Jammu & Kashmir . . . . .	950	..	..	..	5	..	..
8	Karnataka . . . . .	1,610	(—)11	(—)11	..	(—)34	..	..
9	Kerala . . . . .	324	(—)22	..	..	..	..	..
10	Madhya Pradesh . . . . .	2,475	4	..	..	730	..	..
11	Maharashtra . . . . .	4,712	(—)917	489	(—)6	(—)662	..	..
12	Manipur . . . . .	..	..	..	..	..	..	..
13	Nagaland . . . . .	170	..	..	..	79	..	..
14	Orissa . . . . .	3,169	14	..	..	275	..	..
15	Punjab . . . . .	1,009	38	..	..	829	..	..
16	Rajasthan . . . . .	1,605	..	..	..	401	..	..
17	Tamil Nadu . . . . .	(—)498	81	(—)863	..	2,590	..	..
18	Tripura . . . . .	32	..	(—)263	..	4	..	..
19	Uttar Pradesh . . . . .	3,020	615	..	..	2,658	3	(—)631
20	West Bengal . . . . .	5,290	42	..	..	366	8	..
21	D.V.C. . . . .	..	..	..	..	32	..	..
	<i>Union Territories</i>							
	(a) Andaman & Nicobar Islands . . . . .	..	..	..	..	..	..	..
	(b) Arunachal Pradesh . . . . .	(—)52	..	..	..	112	..	..
	(c) Chandigarh . . . . .	24	..	(—)19	..	19	..	..
	(d) Dadra & Nagar Haveli 'R' . . . . .	..	..	..	..	..	..	..
	(e) Delhi . . . . .	29	176	..	..	..	3	..
	(f) Goa, Daman & Diu . . . . .	92	..	..	..	..	..	..
	(g) Lakshadweep . . . . .	..	..	..	..	..	..	..
	(h) Pondicherry . . . . .	3	..	9	..	..	..	..
	TOTAL ALL-INDIA . . . . .	29,927	(—)28	55	(—)6	11,506	14	(—)631

TABLE No. 3.1.2—concl'd.

Sl. No.	State/Power Corporation	78/66KV	110/90 KV	132KV	220KV	230KV	Total
		O.H.	O.H.	O.H.	O.H.	O.H.	
1	2	15	16	17	18	19	20
1	Andhra Pradesh . . . . .	(—)19	..	(—)128	246	..	3,254
2	Assam . . . . .	1	..	..	..	..	1,078
3	Bihar . . . . .	..	..	167	125	..	7,160
4	Gujarat . . . . .	152	..	95	140	..	8,693
5	Haryana . . . . .	35	..	17	..	..	3,001
6	Himachal Pradesh . . . . .	(—)27	..	12	..	..	1,806
7	Jammu & Kashmir . . . . .	32	..	180	..	..	3,467
8	Karnataka . . . . .	35	50	..	272	..	6,800
9	Kerala . . . . .	..	..	..	..	..	617
10	Mahdy Pradesh . . . . .	..	..	485	65	..	9,958
11	Maharashtra . . . . .	34	28	213	1	..	6,101
12	Manipur . . . . .	..	..	..	..	..	..
13	Nagaland . . . . .	..	..	..	..	..	480
14	Orissa . . . . .	1	..	1	1,059	..	6,374
15	Punjab . . . . .	161	..	61	1,829	..	6,489
16	Rajasthan . . . . .	..	..	116	..	..	5,290
17	Tamil Nadu . . . . .	166	(—)154	..	..	1	3,532
18	Tripura . . . . .	..	..	..	..	..	46
19	Uttar Pradesh . . . . .	1	..	11	118	..	10,986
20	West Bengal . . . . .	5	..	233	91	..	9,043
21	D.V.C. . . . .	..	..	(—)2,266	..	..	(—)2,234
	<i>Union Territories</i>						
	(a) A & N Islands . . . . .	..	..	..	..	..	8
	(b) Arunachal Pradesh . . . . .	27	..	..	..	..	80
	(c) Chandigarh . . . . .	..	..	..	..	..	106
	(d) Dadra & Nagar Haveli 'R' . . . . .	..	..	..	..	..	..
	(e) Delhi . . . . .	..	..	..	..	..	970
	(f) Goa, Daman & Diu . . . . .	68	(—)68	..	..	..	120
	(g) Lakshadweep . . . . .	..	..	..	..	..	79
	(h) Pondicherry . . . . .	..	..	..	..	..	72
	<b>TOTAL ALL-INDIA</b> . . . . .	<b>672</b>	<b>(—)144</b>	<b>(—)813</b>	<b>3,946</b>	<b>1</b>	<b>93,366</b>

R—Data repeated.

TABLE NO. 3.1.3  
*Total No. of Transformers and Capacity (MVA) Added during the year and as at the end of the year 1974-75*

Sl. No.	State/Power Corporation	Step-up Transformers			
		Net addn. during year		At the end of 1974-75	
		No.	Aggregate capacity (MVA)	No.	Aggregate capacity (MVA)
1	2	3	4	5	6
1	Andhra Pradesh 'RR'	(-)-468	135.00	42	1,168.55
2	Assam	(-)-3	23.75	44	268.17
3	Bihar	(-)-4	(-)-2.40	43	836.88
4	Gujarat	1	321.60	59	1,365.37
5	Haryana	..	73.00	7	111.00
6	Himahal Pradesh	9	7.70	33	69.12
7	Jammu & Kashmir	30	144.70	51	209.84
8	Karnataka	..	..	74	1,117.80
9	Kerala	..	..	50	769.38
10	Madhya Pradesh	1	0.25	45	835.14
11	Maharashtra	6	237.68	118	3,105.61
12	Manipur 'R'	..	..	15	8.65
13	Nagaland	(-)-1	(-)-0.25	4	1.25
14	Orissa	2	140.40	24	1,091.16
15	Punjab**	3	133.99	50	5,154.50
16	Rajasthan	4	338.80*	53	621.34
17	Tamil Nadu	..	..	110	3,076.00
18	Tripura	1	0.10	12	3.70
19	Uttar Pradesh	(-)-23	44.43	120	1,837.16
20	West Bengal	2	242.91	111	879.00
21	D.V.C.	2	280.00	19	1,670.00
<i>Union Territories</i>					
	(a) A & N Islands	..	..	6	2.49
	(b) Arunachal Pradesh	2	0.25	2	0.25
	(c) Chandigarh	..	..	3	1.90
	(d) Dadra & Nagar Haveli 'R'	..	..	..	..
	(e) Delhi	2	250.00	18	960.00
	(f) Goa, Daman & Diu	..	..	..	..
	(g) Lakshadweep	..	..	1	0.05
	(h) Pondicherry	..	..	..	..
TOTAL ALL-INDIA		(-)-434	2,371.90	1,114	23,164.31

TABLE NO. 3.1.3—contd.

Sl. No.	State/Power Corporation	Step-down Transformers with Secondary 500 V & above				Distribution transformers with secondary 500 V & below	
		Net Addn. during year		At the end of 1974-75		No.	Aggregate capacity (MVA)
		No.	Aggregate capacity (MVA)	No.	Aggregate capacity (MVA)		
1	2	7	8	9	10	11	12
1	Andhra Pradesh 'RR'	6	(—)24.99	689	4,465.91	(—)1,148	98.45
2	Assam	5	25.30	166	486.89	68	(—)2.56
3	Bihar	4	210.45	401	1,907.31	1,453	119.05
4	Gujarat ●	23	574.65	548	4,332.54	4,013	421.62
5	Haryana	15	538.00	256	1,754.40	859	81.95
6	Himachal Pradesh	2	18.13	75	123.10	568	13.60
7	Jammu & Kashmir	32	177.85	48	200.35	1,048	151.28
8	Karnataka	18	494.45	366	3,234.45	1,447	214.04
9	Kerala	..	37.25	146	1,281.25	239	4.87
10	Madhya Pradesh	61	2,175.15@	585	2,432.52	1,355	122.44
11	Maharashtra	135	3,006.49	909	8,055.00	2,405	605.58
12	Manipur 'R'	..	..	..	..	..	..
13	Nagaland	8	7.85	19	13.50	58	4.94
14	Orissa	30	4.04	250	1,029.04	1,252	51.61
15	Punjab**	49	976.20	309	5,874.40	6,283	593.39
16	Rajasthan	62	406.70	581	1,948.26	1,259	108.80
17	Tamil Nadu	(—)37	(—)2035.74	669	2,926.85	(—)3,140	(—)129.14
18	Tripura	..	..	4	5.00	35	1.00
19	Uttar Pradesh	97	613.26	1,256	7,128.34	2,761	195.70
20	West Bengal	72	(—)264.36	462	2,857.24@@	5,267	212.66
21	D.V.C.	2	90.31	71	1,706.83	..	..
	<i>Union Territories</i>						
	(a) A & N Islands	..	..	..	..	..	..
	(b) Arunachal Pradesh	2	0.58	2	0.58	(—)1	(—)0.30
	(c) Chandigarh	..	..	2	12.00	10	6.33
	(d) Dadra & Nagar Haveli 'R'	..	..	..	..	..	..
	(e) Delhi	4	47.50	68	669.50	457	269.96
	(f) Goa, Daman & Diu	..	..	17	125.00	..	..
	(g) Lakshadweep	..	..	1	0.02	..	..
	(h) Pondicherry	..	..	..	..	37	3.80
	<b>TOTAL ALL-INDIA</b>	<b>590</b>	<b>7,079.07</b>	<b>7,900</b>	<b>52,570.28</b>	<b>26,585</b>	<b>3,149.07</b>

TABLE No. 3·1·3—concl'd.

Sl. No.	State/Power Corporation	Distribution transformers with Secondary 500 V. & below At the end of 1974-75		Total			
		No.	Aggregate Capacity (MVA)	Net addn. during year		At the end of 1974-75	
				No.	Aggregate Capacity (MVA)	No.	Aggregate Capacity (MVA)
1	2	13	14	15	16	17	18
1	Andhra Pradesh 'RR'	21,439	1673·75	(—)1,610	208·46	22,170	7308·21
2	Assam	2,568	363·02	70	46·49	2,778	1118·08
3	Bihar	15,231	1044·18	1,453	327·10	15,675	3788·37
4	Gujarat	25,629	2128·79	4,037	1317·87	26,236	7826·70
5	Haryana	21,724	1586·10	874	692·95	21,987	3451·50
6	Himachal Pradesh	2,060	101·07	579	39·43	2,668	293·29
7	Jammu & Kashmir	1,769	226·60	1,110	473·83	1,868	636·79
8	Karnataka	27,615	1770·88	1,465	708·49	28,055	6123·13
9	Kerala	8,761	600·98	239	42·12	8,957	2651·61
10	Madhya Pradesh	16,219	1279·17	1,417	2297·84	16,849	4546·83
11	Maharashtra	30,078	3717·01	2,546	3849·75	31,105	14877·62
12	Manipur 'R'	133	7·98	..	..	148	16·63
13	Nagaland	185	16·85	65	12·54	208	31·60
14	Orissa	6,716	512·92	1,284	196·05	6,990	2633·12
15	Punjab**	19,553	1504·12	6,335	1,703·58	19,912	10533·02
16	Rajasthan	12,250	1077·36	1,325	854·30	12,884	3646·96
17	Tamil Nadu	34,148	3031·38	(—)3,177	(—)2164·88	34,927	9034·23
18	Tripura	200	14·70	36	1·10	216	23·40
19	Uttar Pradesh	83,331	3588·51	2,835	853·39	84,757	12554·01
20	West Bengal	10,250	742·59	5,341	191·21	10,823	4478·83
21	D.V.C.	..	..	4	370·31	90	3376·83
	<i>Union Territories</i>						
	(a) A & N Islands	30	2·50	..	..	36	4·99
	(b) Arunachal Pradesh	10	1·20	3	0·53	14	2·03
	(c) Chandigarh	252	64·23	10	6·33	257	78·13
	(d) Dadra & Nagar Haveli	22	1·45	..	..	22	1·45
	(e) Delhi	2,192	742·99	463	567·46	2,278	2372·40
	(f) Goa, Daman & Diu	551	38·55	..	..	568	163·55
	(g) Lakshadweep	1	0·02	..	..	3	0·09
	(h) Pondicherry	446	44·78	37	3·80	446	44·78
	<b>TOTAL ALL-INDIA</b>	<b>3,43,413</b>	<b>25,883·68</b>	<b>26,741</b>	<b>12600·05</b>	<b>3,52,427</b>	<b>101618·27</b>

@@—The figures of capacity of step-down transformers was wrongly printed during 1973-74 which was actually (2591·79 MVA).

'R'—Data repeated.

\*\*—Includes transformer controlled by B.M.B.

'RR'—Step down transformers data of Andhra Pradesh State Electricity Board repeated due to non-availability.

\* The abnormal increase is due to inclusion of 8 step-up transformers at Ranapratap Sagar and Jawahar Sagar which were not included last year.

@ The figures of capacity of transformers was wrongly printed during 1973-74 which was actually (2220·37 MVA).

TABLE NO. 3-1-4

Important Transformers Commissioned during the year 1974-75 (Utilities)

Serial No.	State/Power Corpn.	Voltage ratio (KV)	Unit Capacity (MVA)	No.	Aggregate capacity (MVA)	Remarks
1	2	3	4	5	6	7
1	<i>Andhra Pradesh</i>					
	Andhra Pradesh State Electricity Board	11/220	125.0	2	250.0	
2	<i>Assam</i>					
	Assam State Electricity Board	132/33	12.5	1	12.5	
		66/33	10.0	4	40.0	
		66/33	5.0	1	5.0	
3	<i>Bihar</i>	Step-down	N.A.	10	71.5	Details no available.
4	<i>Gujarat</i>					
	Gujarat State Electricity Board	220/132	150.0	1	150.0	
		132/66/33/11	50.0	3	150.0	
		132/66/33/11	40.0	6	240.0	
			20.0	7	140.0	
		66/33/22/11	15.0	6	90.0	
			10.0	10	100.0	
			7.5	3	22.5	
			5.0	6	30.0	
		33/11/6.6/3.3	5.0	7	35.0	
		11/220	85.0	3	255.0	
	Ahmedabad Electricity Company	132/60	50.0	1	50.0	
5	<i>Haryana</i>					
	Haryana State Electricity Board	132/33/11	16.0	2	32.0	
		132/33/3.3	8.0	1	8.0	
		132/33	8.0	1	8.0	
		66/33/11	7.5	1	7.5	
		66/33	10.0	1	10.0	
		66/11	7.5	3	22.5	
		66/11	16.0	2	32.0	
		66/11	10.0	3	30.0	
		66/11	12.0	1	12.0	
		66/11	6.0	1	6.0	
		11/33	5.0	1	5.0	

TABLE NO. 3.1.4—contd.

1	2	3	4	5	6	7
6	<i>Himachal Pradesh</i> Himachal Pradesh State Electricity Board	15/22	1.0	3	3.0	
7	<i>Jammu &amp; Kashmir</i>	6.6/33	2.5	1	2.5	
8	<i>Karnataka</i> Karnataka State Electricity Board	220/110	100.0	3	300.0	
		110/13.2/11	0.5 to 20.0	6	47.0	
		110/33/11	5.0 to 10.0	6	55.0	
		66/33	4.5 to 8.0	3	14.0	
		66/13.2/11	0.1 to 12.5	10	60.2	
		33/11	0.5 to 5.0	23	112.0	
9	<i>Kerala</i> Kerala State Electricity Board	110/66	8.0	1	8.0	
		110/11	10.0	1	10.0	
		66/11	20.0	1	20.0	
10	<i>Madhya Pradesh</i> Madhya Pradesh State Electricity Board	132/33	N.A.	4	57.5	
		132/11	12.5	1	12.5	
		33/11	N.A.	104	157.5	
11	<i>Maharashtra</i> Maharashtra State Electricity Board	220/132	50.0	1	50.0	
		220/110/11	125.0	1	125.0	
		220/66	50.0	3	150.0	
		220/6.6	20.0	1	20.0	
		220/7/11	20.0	1	20.0	
		220/22	20.0	1	20.0	
		132/66	50.0	1	50.0	
		132/33	10.0	4	40.0	
		132/22	25.0	2	50.0	
		132/11	10.0	6	60.0	
		132/11	15.0	1	15.0	
		132/11	7.5	1	7.5	
		110/33	10.0	3	30.0	
		66/33	10.0	1	10.0	
			5.0	1	5.0	
		66/11	10.0	3	30.0	
			5.0	4	20.0	
		33/11	5.0	11	55.0	
		15.5/6.6	15.0	2	30.0	
		13.8/7	12.0	1	12.0	

TABLE NO. 3·1·4—contd.

1	2	3	4	5	6	7
12	<i>Orissa</i> Orissa State Electricity Board . . .	132/11	5·0	1	5·0	
		132/11	12·5	1	12·5	
		Balimela Generation Division . . .	11/220	70·2	1	70·2
13	<i>Punjab</i> Punjab State Electricity Board . . .	132/66/33	12·5	1	12·5	
		132/66/11	20·0	2	40·0	
			16·0	2	32·0	
		132/33	20·0	1	20·0	
		132/33	16·0	1	16·0	
		132/33	12·5	2	25·0	
		132/33/11	4·8	1	4·8	
		132/11	12·0	1	12·0	
		66/11	20·0	1	20·0	
		66/11	12·5	7	87·5	
		66/11	8·0	5	40·0	
		33/11	5·0	1	5·0	
		33/11	8·0	2	16·0	
		33/11	12·5	1	12·5	
		11/33	125·0	1	125·0	
	Bhakra Management Board . . .	66/11	12·5	1	12·5	
14	<i>Rajasthan</i> Rajasthan State Electricity Board . . .	220/132/11	100·0	2	200·0	
		220/132	100·0	1	100·0	
		132/33	20·0	3	60·0	
			12·5	1	12·5	
			10·0	1	10·0	
15	<i>Tamil Nadu</i> Tamil Nadu State Electricity Board	110/66/33/11	10·0	2	20·0	
		110/66/22/11	10·0	1	10·0	
		110/33/11	10·0	7	70·0	
		110/22	25·0	1	25·0	
		110/22	10·0	6	60·0	
		110/11	10·0	4	40·0	
		66/33/11	10·0	1	10·0	
		66/33	10·0	1	10·0	
			5·0	1	5·0	
	66/22/11	10·0	2	20·0		



TABLE NO. 3.1.4—concl'd.

1	2	3	4	5	6	7
16	<i>Uttar Pradesh</i>					
	Uttar Pradesh State Electricity Board	10.5/220	110.0	1	110.0	
		220/132	100.0	2	200.0	
		132/37.5	10.0	1	10.0	
		132/33	20.0	2	40.0	
			12.5	1	12.5	
		132/25	12.5	1	12.5	
		132/11	12.5	1	12.5	
		132/6.6	20.0	2	40.0	
		66/37.5	12.5	1	12.5	
			7.5	2	15.0	
		66/33	7.5	1	7.5	
		66/11	15.0	3	45.0	
		66/11	5.0	3	15.0	
		33/11	5.0	19	95.0	
17	<i>West Bengal</i>					
	West Bengal State Electricity Board	66/11	5.0	1	5.0	
		13.8/220	33.0	3	99.0	
			130.0	1	130.0	
18	<i>Delhi</i>					
	Badarpur Power Stn.	10.5/220	125.0	2	250.0	
19	<i>D.V.C.</i>					
	Damodar Valley Corpn.	13.2/138	140.0	2	280.0	
		132/25	15.0	1	15.0	
			13.35	1	13.35	

**TECHNICAL STATISTICS**  
**SECTION 4 -UTILISATION**  
**SUB-SECTION-4.1- UTILITIES**  
**SUB-SECTION-4.2-SELECTED INDUSTRIES**

TABLE No. 4.1.1

*Electricity Generated, Purchased, Sold and Energy Losses—All India Utilities—1975*

Sl. No.	Item	Energy (Million Kwh)	Percentage of Item 5
1	2	3	4
1	Energy generated (gross) (Utilities) . . . . .	70190.53	106.03
2	Energy used by power station auxiliaries . . . . .	4130.28	6.24
3	Energy generated (Net)—(1) — (2) . . . . .	66060.25	99.79
4	Energy purchased from non-utilities . . . . .	138.93	0.21
5	Energy available for supply—(3) + (4) . . . . .	66199.18	100.00
6	Energy sold to Ultimate consumers . . . . .	52631.64	79.50
7	Energy sold to the other countries (Nepal) & (Blutan) . . . . .	11.54	0.02
8	Energy lost in transformation transmission and distribution and unaccounted for (5)—[(6) + (7)] . . . . .	13556.00	20.48

TABLE No. 4.1.2

*Energy Sales—1974-75 (Categorywise)*

Sl. No.	Category	Energy sold in 1974-75 (MKWH)	Percentage to total sales	Energy sold in 1973-74 (MKWH)	Percentage increase over year 1973-74
1	2	3	4	5	6
1	Domestic . . . . .	5172.79	9.83	4644.55	11.37
2	Commercial . . . . .	3081.57	5.85	2987.52	3.14
3	Industrial power . . . . .	32690.28	62.12	32481.40	0.64
4	Public lighting . . . . .	579.71	1.10	552.83	4.86
5	Railways/Tramways . . . . .	1531.17	2.91	1530.76	0.02
6	Agriculture . . . . .	7762.73	14.75	6310.21	23.01
7	Public Water Works & Sewage pumping . . . . .	1227.04	2.33	1116.96	9.85
8	Miscellaneous . . . . .	586.35	1.11	622.15	(-)-5.76
	<b>TOTAL</b> . . . . .	<b>52631.64</b>	<b>100.00</b>	<b>50246.38</b>	<b>4.74</b>

TABLE NO. 4-1-3

## Sectorwise sale to Ultimate Consumers During the year

Sl. No.	State/U. T.	Total energy sold to ultimate consumer within the State U. T.	Public Section						Private Sector	
			Total energy sold to ultimate consumer by State Electricity Board		Total energy sold to ultimate consumers by municipalities		Total energy sold to ultimate consumer by Govt. Deptt./Govt. Undertaking/Central Govt. Project/Power corp.		Total energy sold to ultimate consumers Pvt. Licenses/rural crops	
			M.K.W.H.	% of Col. 3	M.K.W.H.	% of Col. 3	M.K.W.H.	% of Col. 3		
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . . . .	2,569·01	2548·90	99·22	..	..	..	..	20·11	0·78
2	Assam (including Meghalaya & Mizoram) . . . . .	424·26	411·68	97·03	..	..	..	..	12·58	2·97
3	Bihar . . . . .	2,881·17	1676·81	58·20	..	..	895·37	31·08	308·99	10·72
4	Gujarat . . . . .	4,792·67	3129·05	65·29	131·54	2·74	..	..	1532·08	31·97
5	Haryana . . . . .	1,239·01	1239·01	100·00	..	..	..	..	..	..
6	Himachal Pradesh . . . . .	209·24	209·24	100·00	..	..	..	..	..	..
7	Jammu & Kashmir (E) . . . . .	261·00	261·00	100·00	..	..	..	..	..	..
8	Karnataka . . . . .	3,740·63	3701·45	98·95	..	..	..	..	39·18	1·05
9	Kerala . . . . .	1,829·12	1785·82	97·63	11·50	0·63	..	..	31·80	1·74
10	Madhya Pradesh . . . . .	2,779·37	2748·80	98·90	..	..	..	..	30·57	1·10
11	Maharashtra . . . . .	9,371·20	3888·63	41·50	1,114·48	11·89	89·57	0·96	4278·52	45·65
12	Manipur (R) . . . . .	8·91	..	..	..	..	8·91	100·00	..	..
13	Nagaland (E) . . . . .	14·74	..	..	..	..	14·74	100·00	..	..
14	Orissa . . . . .	1,630·16	1630·16	100·00	..	..	..	..	..	..
15	Punjab . . . . .	2,219·35	1458·15	65·70	73·20	3·30	684·24	30·83	3·76	0·17
16	Rajasthan . . . . .	1,560·30	1531·26	98·14	..	..	..	..	29·04	1·86
17	Tamil Nadu . . . . .	5,559·13	5211·61	93·74	115·40	2·08	232·12	4·18	..	..

18	Tripura . . . . .	10.00	..	..	..	..	10.00	100.00	..	..
19	Uttar Pradesh . . . . .	4681.94	4308.23	92.02	103.92	2.22	..	..	269.79	5.76
20	West Bengal . . . . .	5094.97	1277.19	25.06	7.61	0.14	801.99	15.75	3008.18	59.05
	<i>Union Territories :</i>									
(a)	A & N Islands . . . . .	3.37	..	..	..	..	3.37	100.00	..	..
(b)	Chandigarh . . . . .	100.03	..	..	..	..	100.03	100.00	..	..
(c)	D & N Haveli (R) . . . . .	1.18	..	..	..	..	1.18	100.00	..	..
(d)	Delhi . . . . .	1419.54	..	..	1419.54	100.00	..	..	..	..
(e)	Goa, Daman & Diu . . . . .	120.63	..	..	..	..	120.63	100.00	..	..
(f)	Lakshadweep . . . . .	0.38	..	..	..	..	0.38	100.00	..	..
(g)	Pondicherry . . . . .	108.70	..	..	..	..	108.70	100.00	..	..
(h)	Arunachal Pradesh . . . . .	1.63	..	..	..	..	1.63	100.00	..	..
	TOTAL . . . . .	52631.64	37016.99	70.33	2977.19	5.66	3072.86	5.84	9564.60	18.17

(E)—Estimated

(R)—Repeated.

TABLE NO. 4.1.4

## Statewise Energy Sales to Ultimate Consumers

Sl. No.	State/U.T.	Total sold to ultimate consumers	Domestic	Commercial	Industrial power low & medium volt.	Industrial power high voltage	Public lighting	Traction	Agricultural	Public Water-works & sewage pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	2569.01	238.94	251.79	191.87	1115.80	28.70	..	674.21	54.10	13.60
2	Assam (including Meghalaya & Mizoram)	424.26	50.80	28.83	56.72	135.75	4.74	22.04	5.00	5.99	114.39 (A)
3	Bihar (H)	2881.17	113.52	106.09	195.28	1993.27	5.89	340.00 (1)	75.13	40.93	11.06
4	Gujarat	4792.67	372.53	163.51	486.68 (1)	2568.61	46.94	..	1008.66	127.07	18.67
5	Haryana	1239.01	91.57	70.17	168.49	351.93	5.01	..	527.55	18.00	6.29
6	Himachal Pradesh	209.24	34.07	20.12	16.90	23.55	1.37	..	2.08	7.65	103.50 (B)
7	Jammu & Kashmir	261.00	92.63	26.29	90.13	..	5.63	..	20.03	26.29	..
8	Karnataka	3740.63	367.39	84.83	398.51	2371.70	68.68	..	295.03	154.64	0.05
9	Kerala	1829.12	177.78	98.46	178.67 (C)	1216.45	33.23	..	101.99	17.24	5.30 (D)
10	Madhya Pradesh	2779.37	179.02	186.40	188.63	1894.03	26.91	67.37	161.81	75.20	..
11	Maharashtra	9371.20	969.14	586.76	871.22	5402.81	89.83	486.27	667.91	175.72	121.54
12	Manipur (R)	8.91	7.46	0.05	1.25	..	0.15	..	..	..	..
13	Nagaland (E)	14.74	6.50	4.17	2.04	0.43	0.84	..	..	0.54	0.22
14	Orissa	1630.16	48.85	43.95	54.62	1372.00	6.93	53.98	8.88	20.07	19.98
15	Punjab	2219.35	198.36	111.46	284.49	907.11 (G)	7.69	..	695.85 (F)	2.72	11.67 (J)
16	Rajasthan	1560.30	107.02	90.90	171.15	707.61	12.85	..	346.98	86.51	37.28
17	Tamil Nadu	5559.13	425.23	416.77	319.63	2354.19	81.30	38.92	1849.77	46.73	26.59
18	Tripura	10.00	5.42	0.66	2.02	..	0.63	..	0.27	0.50	0.50
19	Uttar Pradesh	4681.94	437.73	127.76	676.30	1856.72	28.49	184.08	1233.45	79.92	57.49
20	West Bengal (H)	5094.97	761.16	312.57	335.14	3084.77	41.79	338.51	40.27	142.63	38.13

Union Territories :											
(a)	A & N Islands	3.37	1.27	1.20	0.75	..	10.0	..	..	0.05	Neg.
(b)	Arunachal Pradesh	1.63	1.03	0.05	0.31	..	0.24	..	..	..	..
(c)	Chandigarh	100.03	22.05	25.01	40.95	..	1.96	..	1.64	8.41	0.01
(d)	D & N Haveli (R)	1.18	0.23	0.17	0.11	50.0	0.07	..	0.08	0.02	..
(e)	Delhi	1419.54	440.58	308.03	124.40	351.35	76.42	..	6.18	112.58	..
(f)	Goa, Daman & Diu	120.63	13.56	10.20	6.50	69.59	1.64	..	0.50	18.56	0.08
(g)	Lakshadweep	0.38	0.24	0.10	0.02	..	0.02	..	..	..	..
(h)	Pondicherry	108.70	8.71	5.27	6.96	42.57	1.66	..	39.46	4.07	..
TOTAL		52631.64	5172.79	3081.57	4869.54	27820.74	579.71	1531.17	7762.73	1227.04	586.35

NOTE—(A) Including tea gardens consumption of 68.19 m. units & consumption by AIR, Airport, defence & university etc.

'B'—Includes supply to projects i.e., B. S. L., Giri Bata etc.

'C'—Includes 9.52 MU consumption of Tea gardens-Kannen Devan Hills.

'D'—Includes 5.27 MU supply to Cochin Port Trust.

'E'—Estimated.

'F'—Includes Public Water Works category consumption of Punjab State Electricity Board.

'G'—660.47 MU consumption by Nangal Fertilizer Factory has been included in the Punjab State.

'H'—D. V. C's sale to ultimate consumers in Bihar & West Bengal area has been included in consumption of Bihar & W. Bengal State respectively.

'I'—Consumption under Traction category of Gujarat State Elec. Board has been included in Industrial Power (Low & Medium) category.

'J'—Included sale of 9.36 MU to I. B.

'R'—Repeated.

TABLE No. 4-1-5

## Energy Sales by State Electricity Boards

Sl. No.	State	Total sold to ultimate consumer	Domestic	Commercial	Industrial Power Low & Medium Volt	Industrial Power High voltage	Public Lighting	Traction	Agriculture	Public Water Works	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . . . .	2,548.90	238.20	251.50	190.40	1115.80	28.50	..	656.80	54.10	13.00
2	Assam (Includes Meghalaya S.E.B. & Mizoram Deptt.)	411.68	45.63	24.28	54.29	135.75	4.31	22.04	5.00	5.99	114.39 (A)
3	Bihar (H) . . . . .	1,676.81	89.69	82.23	178.51	989.11	4.49	219.61 (I)	75.07	37.11	0.99
4	Gujarat . . . . .	3,129.05	193.13	38.91	277.65 (I)	1562.03	29.59	..	976.50	51.24	..
5	Haryana . . . . .	1,239.01	91.57	70.17	168.49	351.93	5.01	..	527.55	18.00	6.29
6	Himachal Pradesh . . . . .	209.24	34.07	20.12	16.90	23.55	1.37	..	2.08	7.65	103.50 (B)
7	Jammu & Kashmir . . . . .	261.00	92.63	26.29	90.13	..	5.63	..	20.03	26.29	..
8	Karnataka . . . . .	3,701.45	356.36	79.87	384.24	2371.06	67.46	..	291.11	151.35	..
9	Kerala . . . . .	1,785.82	168.46	89.99	167.59 (C)	1204.38	31.18	..	101.89	17.06	5.27 (D)
10	Madhya Pradesh . . . . .	2,748.80	173.91	180.67	184.35	1880.76	26.23	67.37	161.77	73.74	..
11	Maharashtra . . . . .	3,888.63	288.89	134.93	295.47	2,137.01	44.61	86.80	631.65	148.66	120.61
12	Orissa . . . . .	1,630.16	48.85	43.95	54.62	1,372.00	6.93	53.98	8.88	20.97	19.98



13	Punjab (G)	1458.15	171.72	101.39	234.96	246.64 (G)	5.48	..	695.66 (F)	..	2.30
14	Rajasthan	1531.26	102.63	80.27	167.81	702.23	12.09	..	345.33	83.80	37.10
15	Tamil Nadu	5211.61	394.68	381.50	294.15	2108.13	78.51	38.92	1846.64	46.26	22.82
16	Uttar Pradesh	4308.23	323.33	74.49	576.74	1801.55	17.71	183.69	1213.47	61.25	56.00
17	West Bengal (H)	1277.19	74.42	83.51	96.24	682.99	7.37	244.20	40.22	10.15	38.09
<b>TOTAL</b>		<b>37016.99</b>	<b>2888.17</b>	<b>1764.07</b>	<b>3432.54</b>	<b>18684.92</b>	<b>376.47</b>	<b>916.61</b>	<b>7599.65</b>	<b>813.62</b>	<b>540.94</b>

A—Includes Tea garden consumption of 68.19 million units & consumption by A.I.R., Airport, Defence & University etc.

B—Includes supply to Projects.

C—Includes 9.52 M.U. consumption of Tea Gardens—Kanan Devan Hills.

D—5.27 M.U. supply to Cochin Port Trust.

E—Estimated.

F—Includes Public Water Works.

G—Does not include consumption by Nangal Fertilizer Factory.

H—The DVC's sale to ultimate consumers in Bihar & West Bengal area is excluded.

I—The separate figure for Traction are not available. It is included in Industrial Power, Low & Medium category.

TABLE NO. 4.1.6  
Energy Sales by Private Sector

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power Low & Medium Volt.	Industrial Power High Voltage	Public Lighting	Traction	Agriculture	Public Water Works & Sewage Pumping	Misc.
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	20.11	0.74	0.29	1.47	..	0.20	..	17.41	..	..
2	Assam	12.58	5.17	4.55	2.43	..	0.43	..	..	..	..
3	Bihar	308.99	23.83	23.83	16.77	238.03	1.40	..	0.06	3.82	0.35
4	Gujarat	1532.08	140.43	121.42	190.85	954.67	14.03	..	23.58	68.46	18.64
5	Haryana	..	..	..	..	..	..	..	..	..	..
6	Himachal Pradesh	..	..	..	..	..	..	..	..	..	..
7	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..
8	Karnataka (E)	39.18	11.03	4.96	14.07	0.64	1.22	..	3.92	3.29	0.05
9	Kerala	31.80	6.02	4.87	8.07	11.57	1.05	..	..	0.18	0.03
10	Madhya Pradesh	30.57	5.11	5.73	4.28	13.27	0.68	..	0.04	1.46	..
11	Maharashtra	4278.52	309.28	107.37	377.28	3,101.24	23.33	313.00	35.62	11.28	0.12
12	Manipur	..	..	..	..	..	..	..	..	..	..
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	..	..	..	..	..	..	..	..	..	..
15	Punjab	3.76	1.50	0.72	1.26	..	0.11	..	0.11	0.06	..
16	Rajasthan	29.04	4.39	10.63	3.34	5.38	0.76	..	1.65	2.71	0.18
17	Tamil Nadu	..	..	..	..	..	..	..	..	..	..
18	Uttar Pradesh	269.79	69.17	36.40	74.66	54.37	6.38	0.28	17.79	9.79	0.95
19	West Bengal	3008.18	678.37	227.83	236.05	1682.66	33.35	26.83	0.05	123.00	0.04
	TOTAL	9564.60	1255.04	548.60	930.54	6062.73	82.94	340.11	100.23	224.05	20.36

E—Estimated for a few Licensees.

TABLE No. 4·1·7

*Energy Sales to Ultimate Consumers by Organisations other than Board & Private Licensees (Sales by Central Govt. State Govt. & Municipal Electric Departments)*

Sl. No.	State	Total sold to ultimate consumer	Domestic	Commerical	Industrial Power Low and Medium Volt.	Industrial Power High Volt.	Public Lighting	Traction	Agriculture	Public Water & Sewage Pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
<i>A. Municipalities :</i>											
1	Gujarat . . . . .	131·54	38·97	3·18	18·18	51·91	3·32	..	8·58	7·37	6·83
2	Maharashtra . . . . .	1,114·48	370·97	342·10	198·47	164·56	21·89	0·07	0·64	15·78	..
3	Punjab . . . . .	73·20	24·14	9·35	34·86	..	2·10	..	0·08	2·66	0·01
4	Tamil Nadu . . . . .	115·40	30·55	35·27	25·48	13·94	2·79	..	3·13	0·47	3·77
5	Uttar Pradesh . . . . .	103·92	45·23	16·87	24·90	0·80	4·40	0·11	2·19	8·88	0·54
6	West Bengal . . . . .	7·61	5·27	0·21	1·44	..	0·50	..	..	0·19	..
7	DESU & NDMC (Delhi) . . . . .	1,419·54	440·58	308·03	124·40	351·35	76·42	..	6·18	112·58	..
8	Kerala . . . . .	11·50	3·30	3·60	3·00	0·50	1·00	..	0·10	..	..
<i>B. Corpn. &amp; Govt. Deptt. :</i>											
1	DVC in Bihar . . . . .	895·37	..	0·03	..	765·23*	..	120·39	..	..	9·72
2	DVC in W. Bengal . . . . .	596·16	..	0·03	..	528·65	..	67·48	..	..	..
3	Punjab (BMB) . . . . .	669·83	..	..	..	660·47(B)	..	..	..	..	7·36
<i>C. States.</i>											
1	Manipur . . . . .	8·91	7·46	0·05	1·25	..	0·15	..	..	..	..
2	Maharashtra (Chola) . . . . .	89·57	..	2·36	..	..	..	86·40	..	..	0·81
3	Nagaland . . . . .	14·74	6·50	4·17	2·04	0·43	0·84	..	..	0·54	0·22
4	Orissa (Balimela Project) . . . . .	..	..	..	..	..	..	..	..	..	..
5	Tamil Nadu (Neyveli) . . . . .	232·12	..	..	..	232·12	..	..	..	..	..
6	Tripura . . . . .	10·00	5·42	0·66	2·02	..	0·63	..	0·27	0·50	0·50

TABLE NO. 4-1-8

*Regionwise Electricity Consumption (Million KWH) during the years 1971-72 to  
1974-75 Utilities only*

Year	Total sold to ultimate consumer	Domestic	Commercial	Industrial Low & Medium Voltage	Industrial High Voltage	Public Lighting	Traction	Agricultural	Public Water Works & Sewage Pumping.	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11
NORTHERN REGION										
1971-72 . . .	10348.48	1113.06	6656.91	1478.31	4650.13	77.44	130.29	1800.30	294.45	147.59
1972-73 . . .	11141.26	1196.83	718.05	1448.03	4826.33	100.30	172.14	2197.10	310.40	172.08
1973-74 . . .	11489.46	1321.90	721.77	1317.47	4876.31	121.12	166.85	2384.94	323.35	255.75
1974-75 . . .	11690.41	1424.01	779.74	1572.81	4198.27	139.42	184.08	2833.76	342.08	216.24
WESTERN REGION										
1971-72 . . .	14137.90	1207.38	874.42	1361.44	8545.14	142.09	719.56	919.75	352.81	15.31
1972-73 . . .	15155.72	1254.72	841.18	1463.97	9026.24	155.81	732.96	1239.21	333.94	107.69
1973-74 . . .	15519.22	1323.29	854.49	1440.13	9457.26	158.02	563.14	1241.76	355.26	125.97
1974-75 . . .	17065.05	1534.48	947.04	1553.14	9935.54	165.39	553.64	1838.96	396.57	140.29
SOUTHERN REGION										
1971-72 . . .	12886.51	950.48	904.03	1060.14	7361.26	219.29	0.14	2203.80	154.94	32.43
1972-73 . . .	12777.54	976.63	683.87	1009.67	7132.27	207.57	736.12	2361.31	230.55	39.55
1973-74 . . .	13505.13	1068.53	891.15	1055.06	7260.66	216.34	77.66	2569.45	222.26	144.02
1974-75 . . .	13806.97	1218.29	857.22	1095.46	7100.71	213.59	38.92	2960.46	276.78	45.54

1	2	3	4	5	6	7	8	9	10	11
<b>EASTERN REGION</b>										
1971-72 . .	9334.08	779.55	434.51	498.96	6470.31	46.19	782.70	81.24	201.10	39.52
1972-73 . .	9604.71	813.93	455.87	523.86	6573.95	49.99	789.35	118.75	210.63	68.38
1973-74 . .	9312.34	864.32	435.59	770.45	6112.52	50.87	723.11	111.81	208.91	34.76
1974-75 . .	9609.67	924.80	463.81	585.79	6450.04	54.71	732.49	124.28	204.58	69.17
<b>NORTHERN EASTERN REGION</b>										
1971-72 . .	356.23	56.99	72.91	53.71	157.78	5.80	..	0.53	5.34	3.17
1972-73 . .	408.84	66.99	83.22	100.39	139.50	6.54	..	1.73	8.62	1.94
1973-74 . .	420.23	66.51	84.52	57.66	133.98	6.48	..	2.25	7.18	61.65
1974-75 . .	459.54	71.21	33.76	62.34	136.18	6.60	22.04	5.27	7.03	115.11
<b>ALL INDIA</b>										
1971-72 . .	47063.20	4107.46	2942.78	4452.56	27,184.62	490.81	1632.69	5005.02	1008.64	238.02
1972-73 . .	49088.07	4309.01	2782.19	4545.92	27,698.29	520.31	1830.57	5918.10	1094.14	389.64
1973-74 . .	50246.38	4644.55	2987.52	4640.77	27,840.63	552.83	1530.76	6310.21	1116.96	622.15
1974-75 . .	52631.64	5172.79	3081.57	4869.54	27,820.74	579.71	1531.17	7762.73	1227.04	586.35

TABLE NO. 4.1.9

Annual per capita Consumption of Electricity (in Kilo Watt hours)—1974-75

Sl No.	State	Population (Million) Mid Financial year based on 1971 census (As on Sep 1974)	UTILITIES					KWH from self generation of non-utilities	Total (9+10)	
			Domestic	Commerical	Industrial including Public water works Traction and Misc.	Public Lighting	Agricultural Pumping			Total
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . . . .	46.931	5.15	5.43	29.65	0.62	14.53	55.38	6.62	62.00
2	Assam (Including Meghalaya and Mizoram) . . . . .	17.661	2.88	1.63	18.96	0.27	0.28	24.02	2.57	26.59
3	Bihar (A) . . . . .	59.989	1.89	1.77	43.02	0.10	1.25	48.03	22.78	70.81
4	Gujarat . . . . .	29.074	12.81	5.62	110.11	1.61	34.69	164.84	12.46	177.30
5	Haryana . . . . .	10.762	8.51	6.52	50.61	0.47	49.02	115.13	9.75	124.88
6	Himachal Pradesh . . . . .	3.559	9.57	5.65	42.61	0.38	0.58	58.79	..	58.79
7	Jammu & Kashmir . . . . .	4.950	18.71	5.31	23.52	1.14	4.05	52.73	Neg.	52.73
8	Karnataka . . . . .	31.367	11.71	2.70	93.24	2.19	9.41	119.25	3.10	122.35
9	Kerala . . . . .	23.033	7.72	4.27	61.55	1.44	4.43	79.41	3.71	83.12
10	Madhya Pradesh . . . . .	45.321	3.95	4.11	49.11	0.59	3.57	61.33	9.18	70.51
11	Maharashtra . . . . .	54.296	17.85	10.81	129.98	1.65	12.30	172.59	4.59	177.18
12	Manipur . . . . .	1.153	6.47	0.04	1.09	0.13	..	7.73	..	7.73
13	Nagaland . . . . .	0.542	11.99	7.69	5.97	1.55	..	27.20	0.02	27.22
14	Orissa . . . . .	23.560	2.07	1.87	64.58	0.29	0.38	69.19	22.11	91.30
15	Punjab (B) . . . . .	14.388	13.79	7.75	83.82	0.53	48.36	154.25	0.97	155.22
16	Rajasthan . . . . .	27.890	3.84	3.26	35.94	0.46	12.44	55.94	9.04	64.98
17	Tamil Nadu . . . . .	43.062	9.67	9.48	63.40	1.85	42.08	126.48	6.66	133.14
18	Tripura . . . . .	1.673	3.24	0.39	1.81	0.38	0.16	5.98	0.01	5.99

TABLE No. 4.1.9—*contd.*

I	2	3	4	5		7	8	9	10	11
19	Uttar Pradesh . . . .	93·662	4·67	1·36	30·49	0·30	13·17	49·99	10·89	60·88
20	West Bengal (A) . . . .	48·034	15·85	6·51	82·09	0·87	0·84	106·07	7·80	113·87
	<i>Union Territories.</i>									
	(a) A & N Islands . . . .	0·124	10·24	9·68	6·45	0·81	..	27·48	..	27·78
	(b) Arunachal Pradesh . . . .	0·479	2·15	0·10	0·65	0·50	..	3·40	..	3·40
	(c) Chandigarh . . . .	0·275	80·18	90·95	179·53	7·13	5·96	363·75	0·05	363·80
	(d) Dadra and Nagar Haveli . . . .	0·080	2·88	2·12	7·87	0·88	1·00	14·75	..	14·75
	(e) Delhi . . . .	4·744	92·87	64·93	124·02	16·11	1·30	299·23	22·51	321·74
	(f) Goa, Daman & Diu . . . .	0·922	14·71	11·06	102·75	1·78	0·54	130·84	0·27	131·11
	(g) Lakshdweep . . . .	0·032	7·50	3·13	0·62	0·63	..	11·88	..	11·88
	(h) Pondicherry . . . .	0·507	17·18	10·39	105·73	3·27	77·83	214·40	10·67	225·07
	TOTAL . . . .	588·432*	8·79	5·24	61·23	0·99	13·19	89·44	9·55	98·99

A—Consumption out of DVC's sale to Bihar and West Bengal included.

B—N.E.F's Consumption included for calculation of per capita consumption.

\*—Total Population may not tally due to rounding off.

TABLE NO. 4·1·10

Statement Showing Interstate Transfer of Power Regionwise—(1974-75)

Sl. No.	Name of Supplier	Name of Purchaser	Max. demand MVA/MW	Units transferred (MKWH)
1	2	3	4	5
<i>A—Northern Region</i>				
1	Bhakra Management Board . . . . .	Haryana State Elecy. Bd. . . . .	N.A.	906·06
2	Do.	H.P. Electricity Bd. . . . .	N.A.	178·72
3	Do.	Punjab State Elecy. Bd. . . . .	N.A.	1,898·33
4	Do.	Rajasthan State Elecy. Bd. . . . .	N.A.	377·74
5	Do.	Uttar Pradesh Elecy. Bd. . . . .	N.A.	3·44
6	Do.	D.E. SUPPLY Undertaking . . . . .	N.A.	249·92
7	Do.	Chandigarh . . . . .	22·6MW	125·00
8	Haryana State Elecy. Board . . . . .	Himachal Pradesh Elecy. Bd. . . . .	N.A.	5·59
9	Do.	Rajasthan State Elecy. Bd. . . . .	N.A.	0·07
10	H.P. Elecy. Bd. . . . .	Punjab State Elecy. Bd. . . . .	N.A.	93·37
11	Do.	Haryana State Elecy. Bd. . . . .	N.A.	1·64
12	Delhi Elecy. Supply Undertaking . . . . .	Haryana State Elecy. Bd. . . . .	N.A.	72·22
13	Rajasthan S.E.B. . . . .	U.P. State Elecy. Bd. . . . .	N.A.	0·68
14	Punjab State Elecy. Board . . . . .	J & K Elecy. Board . . . . .	N.A.	43·03
<i>Western Region</i>				
15	Gujarat Elecy. Bd. . . . .	Dadra & Nagar Haveli . . . . .	0·800MVA	2·55
16	Do.	Goa, Daman & Diu . . . . .	1·39MVA	4·30
17	Do.	Maharashtra State Elecy. Bd. . . . .	N.A.	5·38
18	Madhya Pradesh State Elecy. Board . . . . .	Do.	16·56MW	74·00
19	Maharashtra State Elecy. Board . . . . .	Madhya Pradesh State Elecy. Board . . . . .	6·76MVA	6·27
20	Do.	Govt. of Goa, Daman & Diu . . . . .	4·50MVA	8·16
<i>Southern Region</i>				
21	Tamil Nadu State Elecy. Board . . . . .	Karnataka Elecy. Bd. . . . .	N.A.	147·00
22	Do.	Kerala State Elecy. Bd. . . . .	N.A.	1·08
23	Do.	Govt. of Pondicherry . . . . .	29·25MW	124·21
24	Do.	A.P. State Elecy. Board . . . . .	N.A.	32·54
25	Karnataka State Elecy. Board . . . . .	Do.	N.A.	80·71
26	Do.	Tamil Nadu State Elecy. Bd. . . . .	8·56MW	107·62
27	A.P. State Elecy. Board . . . . .	Do.	81MW	32·29



TABLE NO. 4-1-10- contd

1	2	3	4	5
28	A.P. State Ele y. Board . . . . .	Karnataka State Eleey. Board . . . . .	N.A.	61-86
29	Kerala State Eleey. Board . . . . .	Tamil Nadu State Eleey. Board . . . . .	240MW	372-76
30	Kerala State Eleey. Board . . . . .	Govt. of Pondicherry . . . . .	N.A.	3-91
31	Do.	Karnataka State Eleey. Board . . . . .	0-94	21-98
	<i>Eastern Region</i>			
32	Bihar State Eleey. Board . . . . .	Damodar Valley Corporation . . . . .	N.A.	112-17
33	Do.	West Bengal State Eleey. Board . . . . .	4-39MW	9-49
34	West Bengal State Electricity Board (Bardel)@ . . . . .	D.V.C. . . . .	61-00MVA	287-10
35	Do.	Bihar State Eleey. Board . . . . .	0-90MVA	0-66
36	Durgapur Project Ltd.@ . . . . .	D.V.C. . . . .	N.A.	38-39
37	Fertilizers Corpn. of India (Sindri)@ . . . . .	Do.	N.A.	0-01
38	Bokaro Steel Plant@ . . . . .	Do.	N.A.	5-71
39	Damodar Valley Corpn.@ . . . . .	Durgapur Projects Ltd. . . . .	N.A.	95-81
40	Do.	Bihar State Eleey. Board . . . . .	N.A.	327-73
41	Do.	West Bengal State Eleey. Board . . . . .	80-0MVA	280-89
42	Do.	Bihar State Eleey. Board . . . . .	260-0MVA	940-59
43	Do.	Sijua Jharia Co. (Bihar) . . . . .	54-3MVA	221-63
44	Do.	Dishergarh Co. Calcutta & Sibpore (W.B. State) . . . . .	191-0MVA	922-46
45	Bihar State Eleey. Board . . . . .	Orissa State Eleey. Board . . . . .	N.A.	17-72
	<i>E.—North Eastern Region</i>			
46	Assam State Eleey. Bd. . . . .	Govt. of Nagaland . . . . .	5-0MVA	18-13
47	Do.	Tripura . . . . .	2-75MVA	9-27
48	Do.	Assamachal Pradesh . . . . .	0-25MVA	0-48
	<i>F.—Inter Regional Transfer of Power</i>			
	<i>Western Region</i>		<i>Northern Region</i>	
49	Madhya Pradesh State Eleey. Board . . . . .	Eleey. Rajasthan State Eleey. Bd. . . . .	N.A.	3-10
50	Do.	U.P. State Eleey. Board . . . . .	100-0MW	65-72
	<i>Southern Region</i>		<i>Western Region</i>	
51	Karnataka State Eleey. Board . . . . .	Goa, Daman & Diu . . . . .	33-80MVA	141-57
52	Do.	Maharashtra State Eleey. Board . . . . .	N.A.	61-20
	<i>Southern Region</i>		<i>Eastern Region</i>	
53	A.P. State Eleey. Bd. . . . .	Orissa State Eleey. Bd. . . . .	N.A.	6-01
	<i>Northern Region</i>		<i>Eastern Region</i>	
54	U.P. State Eleey. Bd. . . . .	Bihar State Eleey. Bd. . . . .	N.A.	171-48

TABLE NO. 4.1.10—concl'd.

1	2	3	4	5
	<i>Eastern Region</i>	<i>Northern Region</i>		
55	Bihar State Elec. Bd.	U.P. State Elec. Bd.	150MW	348.21
		<i>Southern Region</i>		
56	Orissa State Elec. Bd.	A.P. State Elec. Bd.	154.0MW	521.00
	<i>Western Region</i>	<i>Southern Region</i>		
57	Maharashtra State Elec. Board	Karnataka State Elec. Board	78.80	61.27
	<i>L—Northern Region</i>	<i>Western Region</i>		
58	U.P. State Elec. Bd.	Madhya Pradesh State Elec. Board	41.5MW	21.86
		<i>Outside the country</i>		
59	Bihar	Nepal	N.A.	8.07
60	U.P. State Elec. Bd.	Nepal	N.A.	2.11
61	Assam State Elec. Bd.	Bhutan	0.2MVA	0.19
62	West Bengal State Elec. Bd.	Bhutan	N.A.	1.17

@—Through inter-connected system.

NOTE —DVC treated as a separate entity for the purpose of this table.

TABLE NO. 4-1-11

Statewise Energy-Generation (Net), Transfer, Utilisation &amp; Losses—1974-75 All Units in M. Kwh.

1. o.	State/U.T.	Net Generation in own power Houses (other than jointly own- ed projects & Central Govt. Projects)	Energy received from			Energy Available in the State (3+4+5+6)	Energy sent out to/sold to			Transformation, Transmission, Distribution losses & energy unaccounted for	
			Jointly owned Central Govt. Projects (except B.M.B. & D.V.C.)	Self generating Industries	From other States (Including B.M.B. & D.V.C.)		Other States	Ultimate consumers within the State	Total (8+9)	M. kwh (7-10)	% of Col. 7
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . . .	2,721.07	258.12	0.78	634.25	3614.22	100.16	2569.01	2669.17	945.05	26.15
2	Assam (A) . . . . .	557.39	..	..	..	557.39	28.07	424.26	452.33	105.06	18.85
3	Bihar . . . . .	18899.63	..	2.00	2,609.54	4511.17	495.66	2881.17	3376.83	1134.34	25.15
4	Gujarat . . . . .	5122.07	669.53	102.29	..	5893.89	12.23	4792.67	4804.90	1088.99	18.48
5	Haryana . . . . .	105.99	560.46	..	979.92	1646.37	5.66	1239.01	1244.67	401.70	24.40
6	Himachal Pradesh . . . .	168.60	8.67	..	184.31	861.58	95.01	209.4	304.25	57.33	15.86
7	Jammu & Kashmir . . . .	298.09	..	..	43.03	341.12	..	261.00	261.00	80.12	23.49
8	Karnataka . . . . .	4,634.66	156.60	..	292.11	5083.37	391.10	3740.63	4131.73	951.64	18.72
9	Kerala . . . . .	2,635.61	..	..	1.08	2636.69	398.65	1829.12	2227.77	408.92	15.51
10	Madhya Pradesh . . . . .	1600.67	2,034.22	..	28.13	3663.02	142.82	2779.37	2922.19	740.83	20.22
11	Maharashtra . . . . .	10346.42	794.89	..	140.58	11281.89	75.70	9371.20	9446.90	1834.99	16.26
12	Manipur (R) . . . . .	12.09	..	..	..	12.09	..	8.91	8.91	3.18	26.30
13	Nagaland . . . . .	0.29	..	..	18.13	18.42	..	14.74	14.74	3.68	19.98
14	Orissa . . . . .	2102.58	294.74	6.68	23.73	2427.73	521.00	1630.16	2151.16	276.57	11.39
15	Punjab . . . . .	676.57	138.58	..	1,981.70	2796.85	43.03	2219.46	2262.38	534.47	19.11
16	Rajasthan . . . . .	11.58	1855.41	..	380.91	2247.90	0.68	1560.30	1560.98	686.92	30.56
17	Tamil Nadu . . . . .	4885.39	2020.36	9.51	512.67	4727.93	304.83	5559.13	5863.96	1563.97	21.06

18	Tripura . . . . .	5.30	..	..	9.27	14.57	..	10.00	10.00	4.57	31.37
19	Uttar Pradesh . . . . .	5735.70	295.01	8.64	418.05	6457.40	195.45	4681.94	4877.39	1580.01	42.47
20	West Bengal . . . . .	4104.87	..	3.31	1852.73	3331.1	327.32	5094.97	5422.29	538.62	9.04
21	B.M.B. . . . .	3911.03	..	..	..	3911.03	3729.21	..	3729.21	181.82	4.65
22	D.V.C. . . . .	4017.14	..	5.72	4373.66	4460.52	4280.64	@@	4280.64	179.88	4.03
	<i>Union Territories</i>										
	(a) A. & N. Islands . . . . .	4.77	..	..	..	4.77	..	3.37	3.37	1.40	29.35
	(b) Arunachal Pradesh . . . . .	1.26	..	..	0.48	1.74	..	1.63	1.63	0.11	6.32
	(c) D & N Haveli . . . . .	..	..	..	2.55	2.55	..	1.18	1.18	1.37	53.73
	(d) Delhi . . . . .	579.06	824.43	..	249.92	1653.41	72.22	1419.54	1491.41	161.65	9.78
	(e) Chandigarh . . . . .	0.10	10.87	..	125.00	135.97	..	100.03	100.03	35.94	26.43
	(f) Goa, Daman & Diu . . . . .	..	..	..	154.03	154.03	..	120.63	120.63	33.40	21.68
	(g) Lakshdweep . . . . .	0.43	..	..	..	0.43	..	0.38	0.38	0.05	11.63
	(h) Pondicherry . . . . .	..	..	..	128.12	128.12	..	108.70	108.70	19.42	15.16
	<b>TOTAL ALL INDIA</b> . . . . .	<b>56138.36</b>	<b>9921.89</b>	<b>138.93</b>	<b>11207.90</b>	<b>77407.08</b>	<b>11,219.44</b>	<b>52631.64</b>	<b>63851.08</b>	<b>13596.00</b>	<b>20.48£</b>

(A)—Includes Meghalaya & Mizoram.

(B)—Includes 0.19 M.kWh sales to Bhutan.

(C)—Includes 8.07 M.kWh sales to Nepal.

(D)—Includes 2.11 M.kWh sales to Nepal.

(E)—Includes 1.17 M.kWh sales to Bhutan.

@—Sales to ultimate consumers by D.V.C. in West Bengal and Bihar Area have been included in West Bengal & Bihar respectively.

@@—Includes sales to ultimate consumers by D.V.C. in West Bengal and Bihar.

£.—For details consult table No. 4.1.1.

\$—Includes 11.54 million kWh energy sold outside the country i.e. to Bhutan (1.36 M. kWh) & Nepal (108 M. kWh).

TABLE No. 4.1.12

*Energy Generation (Net), Transfer, Utilisation and losses by the State Electricity Boards,  
D.V.C. & D.E.S.U.—1974-75 (All Units in Million KWh.)*

Sl. No.	Electricity Board/ D.V.C./DESU	Net Generation in own Power Houses (other than jointly owned Central Govt. Projects)	Energy received from		
			Utilities within State/jointly owned Central Govt. Projects (except D.V.C. & B.M.B)	Other Boards/ Electric Under- takings (including D.V.C. & B.M.B.)	Self Generating Industries
1	2	3	4	5	6
1	Andhra Pradesh . . .	2721.07	222.42	634.25	0.78
2	Assam (A) . . .	552.23	..	..	..
3	Bihar . . .	1856.20	..	1440.46	2.00
4	Gujarat . . .	3811.93	702.60	..	102.29
5	Haryana . . .	105.99	560.46	979.92	..
6	Himachal Pradesh . . .	168.60	8.67	184.31	..
7	Jammu & Kashmir . . .	298.09	..	43.03	..
8	Karnataka . . .	551.90	4235.89	292.11	..
9	Kerala . . .	2635.61	..	1.08	..
10	Madhya Pradesh . . .	1596.56	2034.22	28.13	..
11	Maharashtra . . .	7360.28	1067.66	140.58	..
12	Orissa . . .	1430.91	956.92	23.73	6.68
13	Punjab . . .	676.57	124.55	1311.87	..
14	Rajasthan . . .	8.64	1855.41	380.91	..
15	Tamil Nadu . . .	4885.39	1788.25	512.67	9.51
16	Uttar Pradesh . . .	5691.65	295.01	418.05	8.64
17	West Bengal . . .	1757.18	621.81	290.38	3.31
	(a) D.E.S.U . . .	579.06	824.43	249.92	..
	(b) D.V.C. . . .	4017.14	38.39	399.27	5.72
	(c) B.M.B. . . .	3911.03	..	..	..

TABLE NO. 4.1.12—contd.

Sl. No.	Electricity Board/ D.V.C./DESU	Energy available for supply (including sales outside the State (3+4+5+6))	Energy sold		
			Licencees within the State	Other Boards/ Electric Undertakings/ D.V.C.	Ultimate consumers
1	2	7	8	9	10
1	Andhra Pradesh . . .	3578.52	26.25	100.16	2548.90
2	Assam(A) . . .	552.23	11.88	28.07	411.68
3	Bihar . . .	3298.66	200.95	383.49	1676.81
4	Gujarat . . .	4616.82	541.92	12.23	3129.05
5	Haryana . . .	1646.37	..	5.66	1239.01
6	Himachal Pradesh . . .	361.58	..	95.01	109.24
7	Jammu & Kashmir . . .	341.12	..	..	261.00
8	Karnataka . . .	5079.90	46.45	391.10	3701.45
9	Kerala . . .	2636.69	51.32	398.65	1785.82
10	Madhya Pradesh . . .	3658.91	32.57	142.82	2748.80
11	Maharashtra . . .	8568.52	3241.75	75.70	3888.63
12	Orissa . . .	2418.24	..	521.00	1630.16
13	Punjab . . .	2112.90	114.93	43.03	1458.15
14	Rajasthan . . .	2244.96	33.41	0.68	1531.26
15	Tamil Nadu . . .	7195.82	128.59	304.83	5112.61
16	Uttar Pradesh . . .	6413.35	445.45	195.45	4308.23
17	West Bengal . . .	2672.68	1148.04	1.83	1277.19
	(a) D.E.S.U . . .	1653.41	309.22	72.22	1129.54
	(b) D.V.C. . . .	4460.52	1239.90	1549.21	1491.53
	(c) B.M.B. . . .	3911.03	..	3729.21	..

TABLE NO. 4-13

Statewise Installed Plant Capacity and Energy Consumption (For Utilities only) per sq. Km. and per Thousand of Population—1974-75

Sl. No.	Name of State	Population (Mid Financial Yr) Millions	Area in 1000 Kilometers	Installed Plant Capacity (MW)	Installed Capacity per 1000 of population (KW)	Installed Capacity (KW) per Sq. Km.	Total Energy Consumed (M.kwh.)	Energy Consumed per thousand of Population (kwh)	Energy consumed (kwh) per Square Kilometre
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	46.391	276.81	890.43	19.99	3.22	2569.01	55377	9281
2	Assam (B)	17.661	122.10	196.95	11.15	1.61	424.26	24022	3475
3	Bihar	59.989	173.88	1555.63	25.93	8.70	2881.17	48028	16107
4	Gujarat	29.074	195.98	1172.83	40.34	5.98	2792.67	16484	2445
5	Haryana	10.762	44.22	556.96	51.75	12.00	1239.01	115128	28011
6	Himachal Pradesh	3.559	55.66	52.63	14.79	0.95	209.24	58.792	3759
7	Jammu & Kashmir	4.950	222.24	93.95	18.98	0.42	261.00	527.27	1174
8	Karnataka	31.367	191.77	966.60	30.82	5.64	3740.63	119254	19509
9	Kerala	23.033	38.86	624.60	27.12	16.67	1829.12	79413	47069
10	Madhya Pradesh	45.321	442.82	776.08	17.12	1.75	2779.37	61326	6276
11	Maharashtra	54.296	307.76	2586.37	47.63	8.50	9371.20	172594	30449
12	Manipur	1.153	22.36	5.84	5.06	0.26	8.91	7727	398
13	Nagaland	0.542	16.53	2.02	3.73	0.12	14.74	27195	892
14	Orissa	23.560	155.78	803.22	34.10	5.16	1630.16	69192	10465
15	Punjab	14.388	50.36	896.32	62.30	17.80	2219.35	154,250	44069
16	Rajasthan	27.890	342.21	800.73	28.71	2.34	1560.30	55,945	4559
17	Tamil Nadu	43.962	130.07	2254.00	51.27	17.33	5559.13	126,453	42740
18	Tripura	1.673	10.48	4.88	2.92	10.47	10.00	5977	954
19	Uttar Pradesh	93.662	294.41	1841.44	19.66	6.25	4681.94	49987	15903
20	West Bengal	48.034	87.85	1628.83	34.38	18.80	5094.97	106070	57896

<i>Union Territories</i>								
(a) A & N Islands . . . . .	0.124	8.29	3.90	31.45	0.47	3.37	27177	407
(b) Arunachal Pradesh . . . . .	0.479	83.58	2.09	4.36	0.03	1.63	3402	20
(c) Chandigarh . . . . .	0.275	0.11	2.48	9.02	22.55	100.03	363746	909364
(d) D & N Naveli . . . . .	0.080	0.49	..	..	..	1.18	14750	2408
(e) Delhi . . . . .	4.744	1.48	597.00	125.84	403.38	1419.54	299228	959149
(f) Goa, Daman & Diu . . . . .	0.922	3.81	..	..	..	120.63	130835	31661
(g) Lakshadweep . . . . .	0.034	0.03	0.90	26.47	30.00	0.38	11176	12667
(h) Pondicherry . . . . .	0.507	0.48	..	..	..	108.70	214398	226458
<b>TOTAL . . . . .</b>	<b>588.432</b>	<b>3280.45 (A)</b>	<b>18316.68</b>	<b>31.13</b>	<b>5.58</b>	<b>52631.64</b>	<b>89443</b>	<b>16043</b>

NOTE:—

A—Totals may not tally due to rounding off.

B—Including Meghalaya & Mizoram.



TABLE NO. 4.1.14  
Classification of Consumers of Utilities  
Number of Consumers in Each Category

Sl. No.	State/Corporation	Domestic		Commercial		Industrial Power Low and Medium		Industrial High Voltage		Public Lighting	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . .	906124	..	264164	..	30454	..	843	..	12976	..
2	Assam ‡ . . . .	93660	..	20970	..	2864	..	28	..	492	..
3	Bihar . . . .	341904	147	162645	550	36848	4	860	..	5853	..
4	Gujarat . . . .	1677434(B)	443	79155	193	76988	12	999	..	15729	1
5	Haryana . . . .	487408	1110	102912	896	25213	19	546	..	406	2
6	Himachal Pradesh . . .	242713	..	33663	..	3261(A)	..	..	..	140*	..
7	Jammu & Kashmir . . .	181928	..	29383	..	5474(A)	..	.. (A)	..	N.A.	..
8	Karnataka . . . .	1149656	..	175499	..	52113	..	787	..	6650(E)	..
9	Kerala . . . .	601762	..	197471	..	24256	..	383	..	5043	..
10	Madhya Pradesh . . .	534977	..	207837	..	33122	..	513	..	3982**	..
11	Maharashtra . . . .	1990933	..	446768	..	97210	1	2296	..	12023	..
12	Manipur (R) . . . .	106152	..	.. £	..	291	..	..	..	1705	..
13	Nagaland . . . .	14910	..	963	..	228(A)	..	.. (A)	..	6065	..
14	Orissa . . . .	157931	..	65048	..	7215	..	162	..	1537	..
15	Punjab . . . .	908250	..	195029	..	41402	..	503	..	479@@	..
16	Rajasthan . . . .	445333	..	151203	..	25274	..	204	..	1535	..
17	Tamil Nadu* . . . .	1521741	..	421446	..	102641*	..	1026	..	48598	..
18	Tripura . . . .	8900	..	880	..	500	..	..	..	9	..

19	Uttar Pradesh	1099338	47159	214819	18487	81367	1479	1267	..	12206*	18
20	West Bengal	681463	301765	93790	384	41085	12728	1907	..	3308	13
21	D. V. C.	..	..	2	..	..	..	14	..	..	..
	<i>Union Territories</i>										
	(a) Delhi	638881	..	116331	..	22951	..	..	..	637	..
	(b) A & N Islands	7672	..	848	..	189	..	..	..	749	..
	(c) Chandigarh	45482	..	6389	..	790	..	..	..	77	..
	(d) Dadar & Nagar Haveli (B)	251	..	..	..	64	..	3	..	3	..
	(e) Goa, Daman & Diu	50470	..	11477	..	1524	..	69	..	195	..
	(f) Lakshadweep	1987	..	396	..	16	..	..	..	12	..
	(g) Arunachal Pradesh	3810	..	112	..	3	..	..	..	31	..
	(h) Pondicherry	34573£	..	£	..	1258	..	26	..	10	..
	ALL-INDIA	13840106	350624	2999230	20010	714591	14243	12436	..	140450	34

TABLE NO. 4.1.14- *concl'd.*

Sl. No.	State/Corporation	Traction		Agricultural		Public Water & Sewage Works		Miscellaneous		Total		GRAND TOTAL
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
1	2	13	14	15	16	17	18	19	20	21	22	23
1	Andhra Pradesh . . . . .	..	..	284696	..	832	..	25	..	1500114	..	1500114
2	Assam \$ . . . . .	..	..	802	..	45	..	755	..	119606	..	119606
3	Bihar . . . . .	5	..	104827	..	643	..	70	..	653655	120	653856
4	Gujarat . . . . .	5	..	114363	..	3839	..	1123	..	1969635	649	1970284
5	Haryana . . . . .	..	..	134953	..	750	..	..	..	752188	2027	754215
6	Himachal Pradesh . . . . .	..	..	1195	..	..	..	27	..	280999	..	280999
7	Jammu & Kashmir . . . . .	..	..	608	..	254	..	..	..	217647@	..	217647@
8	Karnataka . . . . .	..	..	208006	..	1417	..	..	..	1594128	..	1594128
9	Kerala . . . . .	..	..	35560	..	368	..	51	..	864894	..	864894
10	Madhya Pradesh . . . . .	5	..	165246	..	847	..	..	..	946529	..	946529
11	Maharashtra . . . . .	3	..	381480	..	2414	..	31471	..	2964598	1	2964599
12	Manipur (R) . . . . .	..	..	..	..	4	..	..	..	12615	..	12615
13	Nagaland . . . . .	..	..	1	..	20	..	..	..	22187	..	22187
14	Orissa . . . . .	4	..	2591	..	426	..	63	..	234977	..	234977
15	Punjab . . . . .	..	..	139188	..	88	..	..	..	1284939	..	1284939
16	Rajasthan . . . . .	..	..	86589	..	1913	..	1131	..	713182	..	713182
17	Tamil Nadu . . . . .	3	..	702582	..	5995	..	16,609	..	2820641	..	2820641
18	Tripura . . . . .	..	..	40	..	18	..	..	..	10347	..	10347
19	Uttar Pradesh . . . . .	5	..	242980	1	720	4	363	38	1653065	67186	1720251
20	West Bengal . . . . .	15	..	8615	..	196	..	71	..	830450	314890	1145340
21	D.V.C. . . . .	2	..	..	..	..	..	..	..	18	..	18

<i>Union Territories</i>											
(a) Delhi . . . . .	..	..	208	..	29	..	..	..	779067	..	779067
(b) A & N Islands . . . . .	..	..	1	..	14	..	..	..	9473	..	9473
(c) Chandigarh . . . . .	..	..	346	..	112	..	5	..	53201	..	53201
(d) Dadra & Nagar Haveli (R)	..	..	58	..	19	..	..	..	398	..	398
(e) Goa, Daman & Diu . . . . .	..	..	611	..	35	..	..	..	64381	..	64381
(f) Lakshadweep . . . . .	..	..	..	..	..	..	..	..	2411	..	2411
(g) Arunachal Pradesh . . . . .	..	..	..	..	2	..	..	..	3958	..	3958
(h) Pondicherry . . . . .	..	..	6409	..	2	..	..	..	42278	..	42278
ALL-INDIA . . . . .	47	..	2621955	1	21002	4	51764	38	20401581	384954	20786535

(S)—Including Meghalaya & Mizoram.

(£)—Includes Commercial consumers also.

(A)—Includes H.V. Consumers.

(B)—Includes commercial figures of Board also.

(\*)—The figure of Public Lighting seems to be wrongly reported last year.

(\*\*)—Prior to take over of Saugor Company by the Board the figure was wrongly reported last year.

(E)—Data Estimated on last year basis.

(@)—The figure does not include consumers of Public Lighting.

(@@)—Prior to take over of Amritsar Municipality by the Board the figure was wrongly reported last year.

TABLE No. 4.1.15

## Classification of Connected Load in Various Categories (In kW.)

Sl. No.	State/Corporation	Domestic		Commercial		Industrial (Low & Med. Volt)		Industrial (High Volt)		Public Lighting	
		AC	DC	AC	DC	AC	DC	AC	DC	AC	DC
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh . . . . .	438045	..	281244	..	335522	..	542362	..	24039	..
2	Assam \$ . . . . .	56119	..	28831	..	89093	..	41996	..	3539	..
3	Bihar . . . . .	169581	134	105610	227	367574	87	491183	..	5097	..
4	Gujarat . . . . .	860593(B)	55	117885	24	602069	48	697725	..	21427	9
5	Haryana . . . . .	142847	505	51776	875	294012	97	283198	..	2976	19
6	Himachal Pradesh . . . . .	100819	..	31211	..	47354(A)	..	..	..	741	..
7	Jammu & Kashmir . . . . .	43984	..	30756	..	37544(A)	..	..	..	2780	..
8	Karnataka . . . . .	513323	..	108435	..	319589	..	466361	..	22405	..
9	Kerala . . . . .	376612	..	126941	..	261989	..	355333	..	14707	..
10	Madhya Pradesh . . . . .	324663	..	213134	..	278705	..	425832	..	16354	..
11	Maharashtra . . . . .	1694274	..	519287	..	1016031	151	2035750	..	32629	..
12	Manipur (R) . . . . .	2960(C)	..	.. (C)	..	2660	..	..	..	70	..
13	Nagaland . . . . .	13070	..	6943	..	2451(A)	..	..	..	378	..
14	Orissa . . . . .	97618	..	57538	..	78426	..	298295	..	8110	..
15	Punjab . . . . .	391710	..	140700	..	410086	..	222210	..	3737	..
16	Rajasthan . . . . .	261810	..	104252	..	267134	..	326874	..	5868	..
17	Tamil Nadu . . . . .	856833	..	397588	..	572719	..	795214	..	46425	..
18	Tripura . . . . .	5280	..	880	..	5620(R)	..	..	..	500(R)	..
19	Uttar Pradesh . . . . .	530482	27356	121883	12958	828331	10127	759451	..	12058	516
20	West Bengal . . . . .	599676	331326	92972	660	256474	61011	952507	..	7391	4119
21	D. V. C. . . . .	..	..	..	..	..	..	348333	..	..	..

<i>Union Territories</i>										
(a) Delhi . . . . .	474855	..	162321	..	199622	..	..	..	8911	..
(b) A & N Islands . . . . .	2919	..	603	..	1765	..	..	..	75	..
(c) Chandigarh . . . . .	67151	..	16621	..	39816	..	..	..	719	..
(d) D. & N. Haveli . . . . .	230	..	..	..	880	..	400	..	40	..
(e) Goa, Daman & Diu . . . . .	38055	..	11059	..	39191	..	29114	..	530	..
(f) Lakshdweep . . . . .	1306	..	336	..	196	..	..	..	119	..
(g) Arunachal Pradesh . . . . .	2914	..	97	..	1200	..	..	..	172	..
(h) Pondicherry . . . . .	20744	..	..	..	18870	..	14102	..	632	..
<b>ALL INDIA . . . . .</b>	<b>8088523</b>	<b>359376</b>	<b>2726903</b>	<b>14744</b>	<b>6369123</b>	<b>71521</b>	<b>9089240</b>	<b>..</b>	<b>242221</b>	<b>4663</b>

\*—Including Meghalaya & Mizoram.

(R)—Data Repeated.

(A)—Includes H.V. connected figures.

(B)—Includes Commercial figures of Board.

(C)—Includes Commercial also.

TABLE NO. 4-1-15—contd.

Sl. No.		Traction		Agricultural		Public Water & Sewage		Miscellaneous		Total		GRAND TOTAL
		AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	
1	2	13	14	15	16	17	18	19	20	21	22	23
1	Andhra Pradesh	..	..	1150299	..	20691	..	10954	..	2812456	..	2812456
2	Assam	..	..	13850	..	4594	..	63601	..	301023	..	301023
3	Bihar	138960	..	305504	..	15671	..	30	..	1002192	448	1002640
4	Gujarat	50000	..	727291	..	62555	..	3160	..	3142705	136	3124841
5	Haryana	..	..	651574	..	10773	..	..	..	1436460	1496	1437952
6	Himachal Pradesh	..	..	10734	..	..	..	59553	..	250412	..	250412
7	Jammu & Kashmir	..	..	22336	..	19521	..	..	..	156921	..	156921
8	Karnataka	..	..	676445	..	58551	..	..	..	2163109	..	2163109
9	Kerala	..	..	141542	..	9229	..	44	..	1286297	..	1286297
10	Madhya Pradesh	36125	..	452652	..	24978	..	..	..	1772643	..	1772643
11	Maharashtra	40000	..	1282728	..	72059	..	475216	..	7161974	151	7162125
12	Manipur (R)	..	..	..	..	80	..	..	..	5770	..	5770
13	Nagaland	..	..	3	..	415	..	..	..	23260	..	23260
14	Orissa	20500	..	23775	..	10342	..	8,735	..	603639	..	603639
15	Punjab	..	..	592964	..	6410	..	..	..	1767817	..	1767817
16	Rajasthan	..	..	444325	..	40526	..	38350	..	1489139	..	1489139
17	Tamil Nadu	34600	..	2380665	..	36368	..	101304	..	5221766	..	5221766
18	Tripura	..	..	420	..	180	..	..	..	6760	..	12880
19	Uttar Pradesh	76961	..	1442611	2	29416	208	45530	9	3846723	51176	3897899
20	West Bengal	109821	..	62622	..	30495	..	319	..	2112277	397116	2509393
21	D.V.C.	85226	..	..	..	..	..	..	..	433559	..	433559
<i>Union Territories</i>												
(a)	Delhi	..	..	2911	..	35069	..	..	..	883889	..	883889
(b)	A & N Islands	..	..	4	..	115	..	..	..	5481	..	5481
(c)	Chandigarh	..	..	1612	..	3463	..	8	..	129390	..	129390
(d)	D & N Haveli	..	..	220	..	30	..	..	..	1800	..	1800
(e)	Goa, Daman & Diu	..	..	2684	..	3776	..	..	..	124409	..	124409
(f)	Lakshdweep	..	..	..	..	..	..	..	..	1957	..	1957
(g)	Arunachal Pradesh	..	..	..	..	22	..	..	..	4405	..	4405
(h)	Pondicherry	..	..	24034	..	11232	..	..	..	79614	..	79614
<b>ALL INDIA</b>		<b>529193</b>	<b>..</b>	<b>10422805</b>	<b>2</b>	<b>496761</b>	<b>208</b>	<b>806804</b>	<b>9</b>	<b>38628443</b>	<b>450523</b>	<b>39285086</b>

\$—Including Meghalaya & Mizoram.

(R)—Data Repeated.

(A)—Includes H.V. connected figures.

(B)—Includes Commercial figures of Board.

(C)—Includes Commercial also.

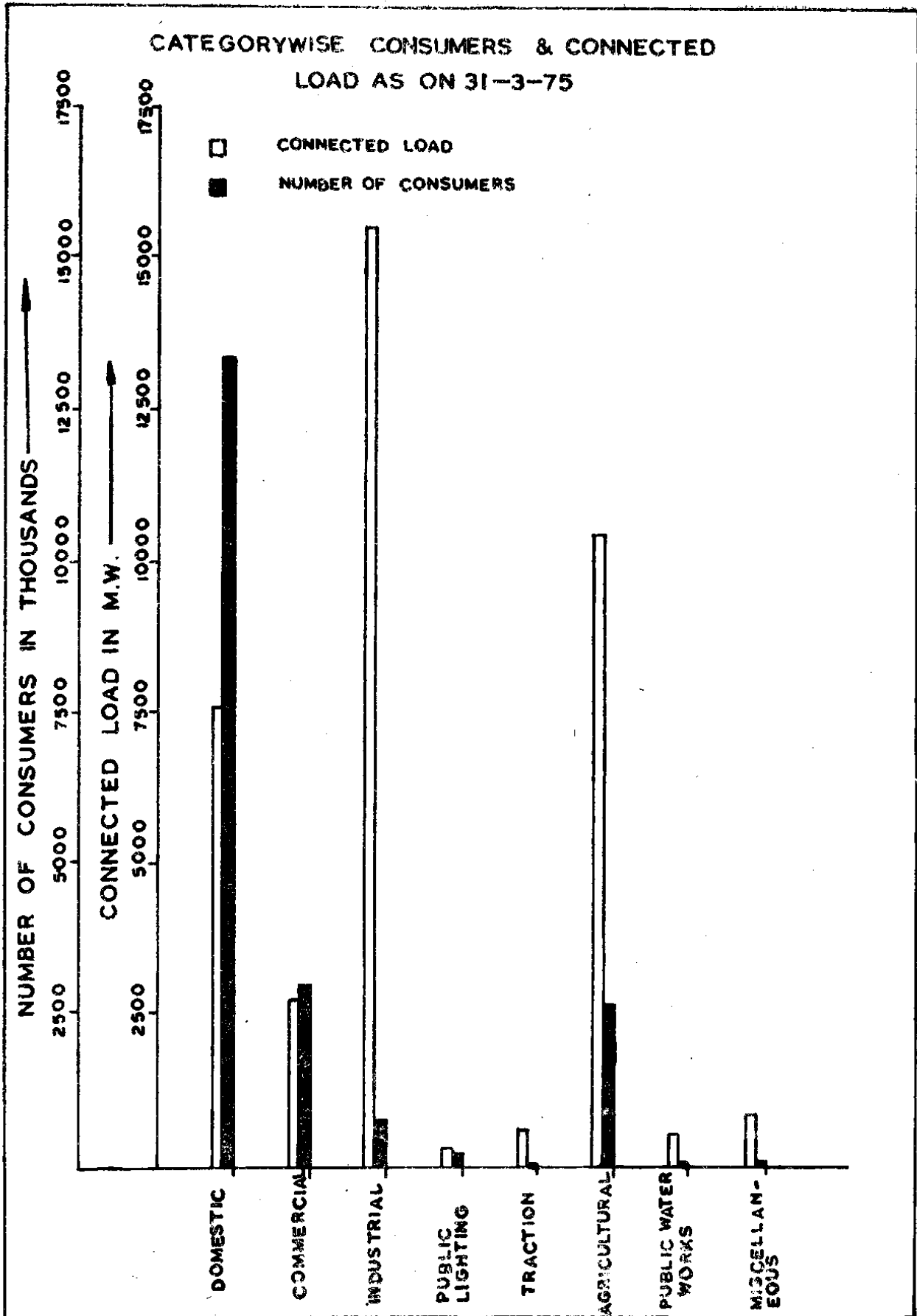




TABLE No. 4.1-16

Towns Electrified in Various Population Groups (1971 Census) As on 31-3-1975

Sl. No.	States/Union Territories	Total No. of towns	Nos. electrified in various population groups						Total No. electrified as on 31-3-1975	Electrified during 1974-75
			Below 5000	5000 to 9999	10000 to 19999	20000 to 49999	50000 to 99999	Over 1 lakh		
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . . . .	224	8	45	79	61	18	13	224	..
2	Assam . . . . .	72	8	23	26	9	5	1	72	..
3	Bihar . . . . .	202	12	47	72	51	11	9	202	..
4	Gujarat . . . . .	216	4	71	73	42	18	7	215	..
5	Haryana . . . . .	65	5	20	15	14	9	2	65	..
6	H.P. . . . .	36	23	6	5	1	1	..	36	..
7	J. & K . . . . .	45(3)	30(*)	6(*)	4(*)	1(*)	..	2(*)	43(*)	..
8	Karnataka . . . . .	245	26	61	105	42	11	10	245	..
9	Kerala . . . . .	88	2	9	25	40	7	5	88	..
10	Madhya Pradesh . . . . .	250	12	96	74	43	14	11	250	..
11	Maharashtra . . . . .	289	13	70	98	65	25	17	288	1
12	Manipur . . . . .	8	3	4	..	..	..	1	8	..
13	Meghalaya . . . . .	6	1	1	3	..	1	..	6	..
14	Nagaland . . . . .	3	..	..	2	1	..	..	3	..
15	Orissa . . . . .	81	2	30	23	20	2	4	81	..
16	Punjab . . . . .	108	11	30	33	22	8	4	108	..
17	Rajasthan . . . . .	157	4	41	67	31	7	7	157	..
18	Sikkim . . . . .	7	6	..	1	..	..	..	7	..
19	Tamil Nadu . . . . .	439	101	97	118	79	27	17	439	..
20	Tripura . . . . .	6	..	1	4	..	..	1	6	..

21	U. P.	325	17	94	100	71	21	22	325	..
22	West Bengal	223	8	59	59	49	31	15	221	1
TOTAL (STATES)		3095	296	801	986	642	216	148	3089	2
<i>Union Territories</i>										
1	A & N Islands	1	..	..	..	1	..	..	1	..
2	Arunachal Pradesh	4	3	1	..	..	..	..	4	..
3	Chandigarh	2	..	..	1	..	..	1	2	..
4	D & N Haveli	..	..	..	..	..	..	..	..	..
5	Delhi	3	..	..	..	..	1	2	3	..
6	Goa, Daman & Diu	13	4	4	1	3	1	..	13	..
7	Lakshadweep	..	..	..	..	..	..	..	..	..
8	Mizoram	2	..	1	..	1	..	..	2	..
9	Pondicherry	6	..	2	..	3	1	..	6	..
TOTAL (U. T's)		31	7	8	2	8	3	3	31	..
TOTAL (ALL INDIA)		3126	303	809	988	650	219	151	3120	2

(\*) As per 1961 Census.

Figures in bracket is as per 1961 Census.

TABLE No. 4-1-17

## Villages Electrified in Various Population Groups (1971 Census) As on 31-3-1975

Sl. No.	States/ U.T.s	Total No. of villages	Villages electrified in various population groups						Total electrified as on 31-3-1975	Villages electrified during 1974-75	Percentage of village electrified as on 31-3-75
			Below 500	500 to 999	1000 to 1999	2000 to 4999	5000 & 9999	10000 & above			
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh (+)	27221	760	1710	3544	3,690	846	80	10430	250	38.32
2	Assam (+)	21995	520	374	297	157	11	..	1359	213	6.18
3	Bihar (+)	67566	4125	3450	3200	2100	450	50	13375(*)	3770(*)	19.80
4	Gujarat (+)	18275	591	1600	2084	1507	227	17	6026	350	32.97
5	Haryana	6731	2018	1909	1673	975	148	8	6731	..	100.00
6	H. P.	16916	5474	579	185	37	1	..	6276	1776	37.10
7	J & K (+)	6503	800	536	72	72	2	..	1741(a)	361	20.77
8	Karnataka	26826	4651	4063	3132	1641	234	9	13730	1086	51.18
9	Kerala	1268	4	2	13	109	278	776	1182	9	93.22
10	M. P.	70883	4489	3546	2287	910	70	2	11304	601	15.95
11	Maharashtra (+)	35778	4703	5970	5300	2200	410	60	16643	1872	52.11
12	Manipur (+)	1949	46	53	66	50	2	..	217	4	11.13
13	Meghalaya	4583	115	40	24	6	..	..	185	17	4.04
14	Nagaland	960	63	39	38	15	1	..	156	20	16.25
15	Orissa (+)	46992	4388	3160	2110	453	15	2	10128	2051	21.55
16	Punjab	12188	2633	2500	1778	733	71	2	7717	639	63.32
17	Rajasthan	33305	2569	1752	1313	614	68	10	6326	548	18.99
18	Sikkim	215	3	1	1	..	..	..	5	..	2.33
19	Tamil Nadu (+)	15735	2786	3390	4500	3850	750	140	15416	20	97.97

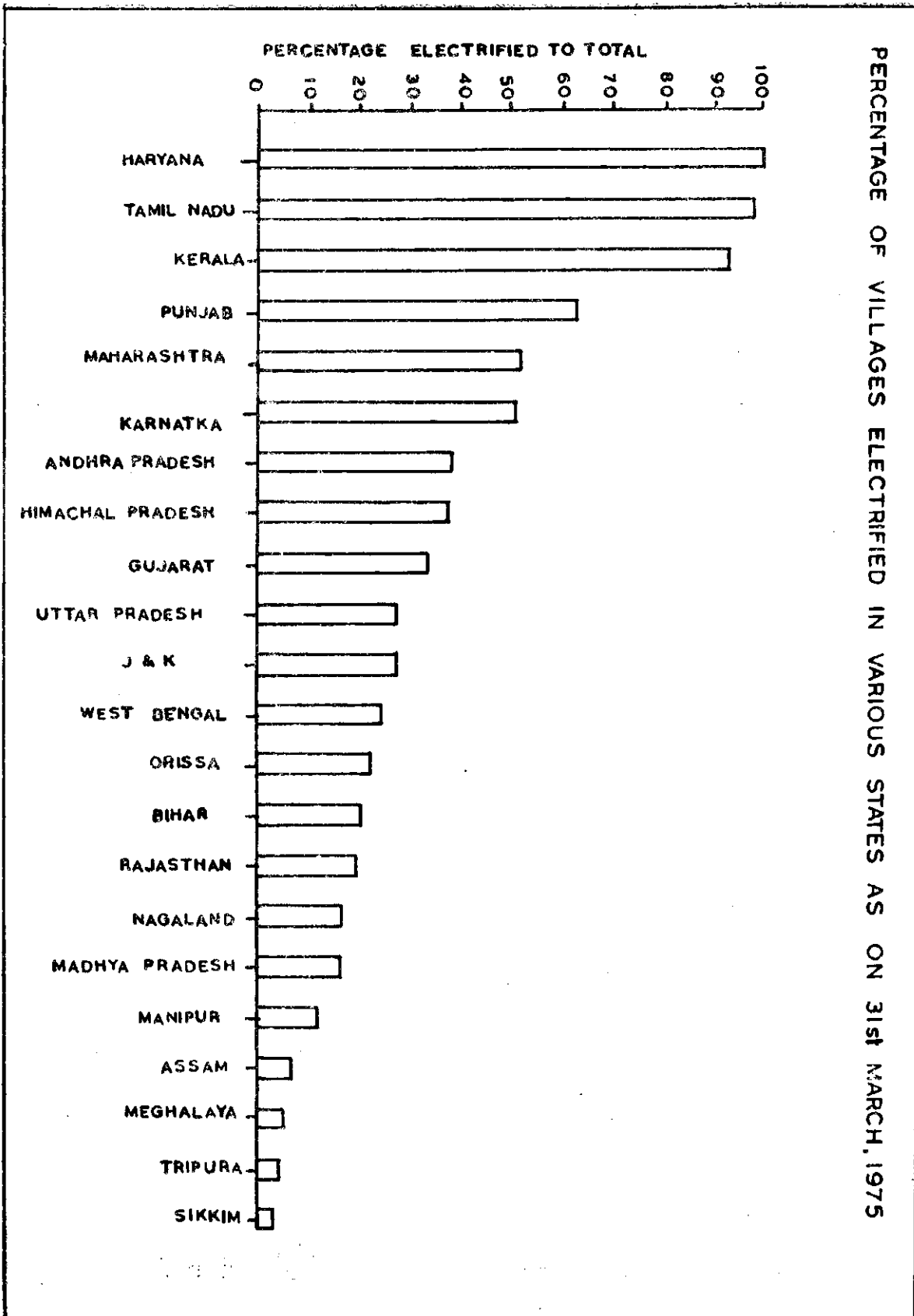


TABLE NO 4.1.17—contd.

1	2	3	4	5	6	7	8	9	10	11	12
20	Tripura . . . . .	4727	24	47	28	25	1	..	125	22	2.64
21	U. P. (+) . . . . .	112561	13884	8870	5566	2267	194	17	30798	1033	27.36
22	West Bengal . . . . .	38074	2295	2471	2502	1690	263	36	9257	742	24.31
	<b>TOTAL (STATES)</b> . . . . .	<b>571251</b>	<b>56941</b>	<b>46062</b>	<b>39972</b>	<b>23101</b>	<b>3842</b>	<b>1209</b>	<b>171127</b>	<b>15384</b>	<b>29.96</b>
	<i>Union Territories</i>										
1	A & N Islands . . . . .	390	30	11	14	..	..	..	55	14	14.10
2	Arunachal Pradesh (+) . . . . .	2973	34	18	4	2	..	..	58	3	1.95
3	Chandigarh. . . . .	26	8	10	7	..	1	..	26	..	100.00
4	D & N Haveli . . . . .	72	4	2	12	4	..	..	22	4	30.58
5	Delhi . . . . .	243	43	53	79	60	6	2	243	..	100.00
6	Goa Daman & Diu . . . . .	409	57	60	78	73	23	2	293	59	71.64
7	Lakshadweep . . . . .	10	..	..	1	6	2	..	9	1	90.00
8	Mizoram . . . . .	229	..	..	..	2	1	..	3	..	1.31
9	Pondicherry . . . . .	333	162	85	57	26	3	..	333	..	100.00
	<b>TOTAL (UT's)</b> . . . . .	<b>4685</b>	<b>338</b>	<b>239</b>	<b>252</b>	<b>173</b>	<b>36</b>	<b>4</b>	<b>1042</b>	<b>81</b>	<b>22.24</b>
	<b>TOTAL (ALL-INDIA)</b> . . . . .	<b>575936</b>	<b>57279</b>	<b>46301</b>	<b>40224</b>	<b>23274</b>	<b>3878</b>	<b>1213</b>	<b>172169</b>	<b>15465</b>	<b>29.89</b>

%Electrified . . . . . 100.00 9.95 8.04 6.98 4.04 0.67 0.21 29.89 2.69

(a) As on 28-2-1975.

(+) Population-wise break-up estimated.

(\*) Figures Provisional.

TABLE No. 4-1-18

## Statewise Pumpsets

Serial No.	State/UT	No. of pumpsets	Consumption			Average capacity per pumpset (KW)	Average consumption per set (kWh)	Consumption of connected load (kWh/KW)
		As at the end of 1974-75	Quantum (M. kWh)	% to total consumption in the State	Connected load (MW)			
1	2	3	4	5	6	7	8	9
1	Andhra Pradesh . . . .	284614	674.21	25.1	1159.30	4.07	2273.99	558.28
2	Assam . . . . .	867	5.00	1.18	13.85	15.97	5767.01	361.01
3	Bihar . . . . .	104034	75.13	0.03	305.50	2.94	722.17	245.92
4	Gujarat . . . . .	117723	1008.66	21.05	727.29	6.40	8869.45	1386.87
5	Haryana . . . . .	134953	527.55	42.58	651.57	4.83	3909.14	809.66@
6	Himachal Pradesh . . . .	1202	2.08	0.99	10.73	9.93	1730.45	193.85@
7	Jammu & Kashmir . . . .	417	20.03	7.67	22.34	53.57	48033.57	896.60@
8	Karnataka . . . . .	208009	295.03	7.89	676.45	3.25	1418.35	435.14
9	Kerala . . . . .	41549	101.99	5.58	141.54	3.41	2454.69	720.57
10	Madhya Pradesh . . . . .	133295	161.81	5.82	452.65	3.40	1213.92	357.47
11	Maharashtra . . . . .	380844	667.91	7.13	1282.74	3.37	1753.76	520.69
12	Manipur . . . . .	Nil	..	..	..	..	..	..
13	Nagaland . . . . .	1	..	..	Neg.	..	..	..
14	Orissa . . . . .	3515	8.88	0.55	23.78	6.77	2526.32	373.42
15	Punjab . . . . .	138902	695.85*	31.35	592.96	4.27	5009.65	1173.52@
16	Rajasthan . . . . .	86793	346.98	22.24	444.33	5.12	3997.79	780.91
17	Tamil Nadu . . . . .	706914	1849.77	33.27	2380.68	3.37	2616.68	776.99
18	Tripura . . . . .	40	0.27	2.70	0.42	10.50	6750.00	642.86

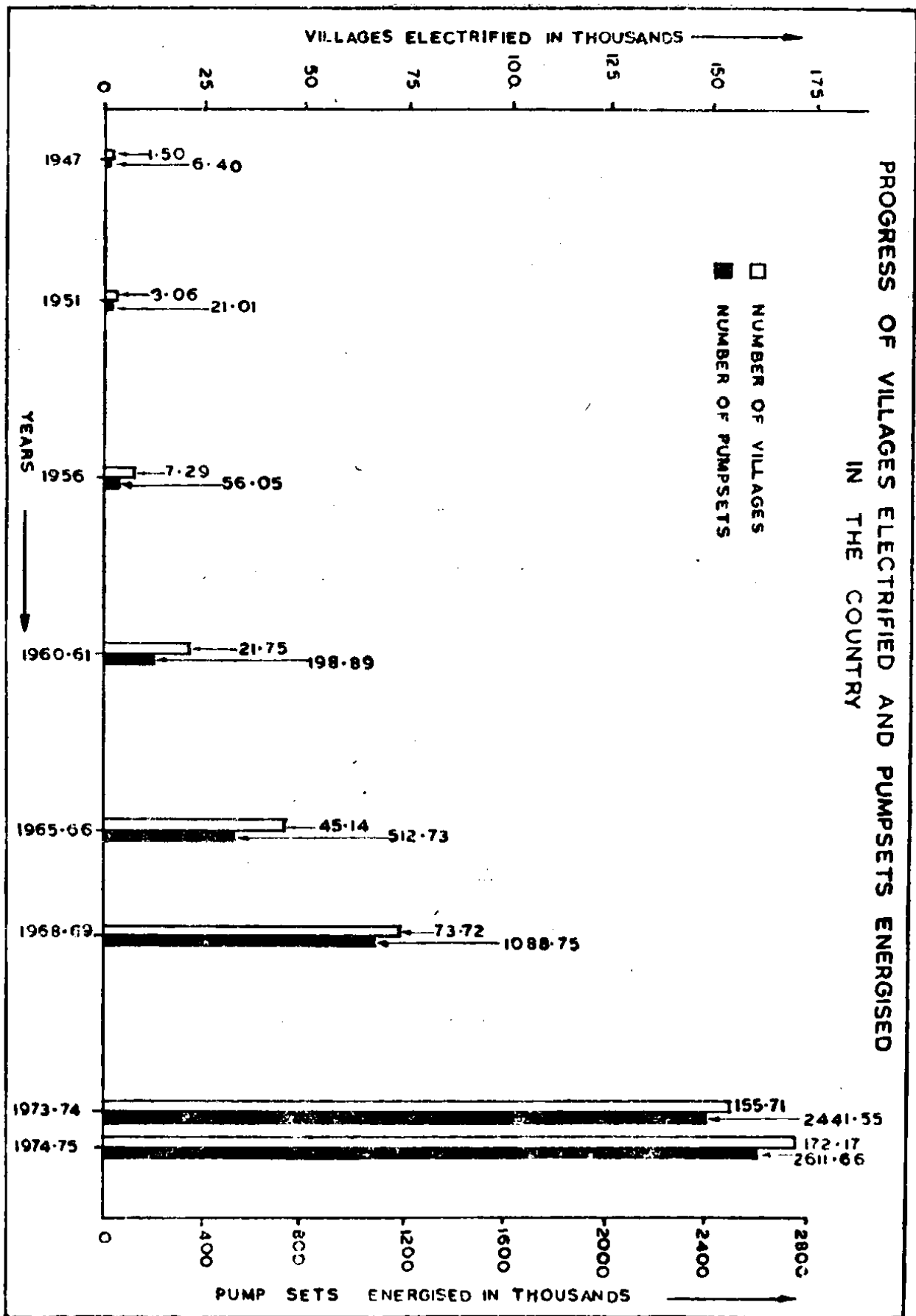


TABLE NO 4.1.18—concl.

1	2	3	4	5	6	7	8
19 Uttar Pradesh . . . .	249480	1233.45	26.35	1442.61	5.78	4944.08	855.01
20 West Bengal . . . .	7694	40.27	0.79	62.62	8.14	5233.95	643.09
<i>Union Territories</i>							
(a) A. & N. Islands . . . .	1	..	..	Neg	..	..	..
(b) Arunachal Pradesh . . . .	Nil	..	..	..	..	..	..
(c) Chandigarh . . . .	458	1.64	1.64	1.61	3.52	3580.79	1018.63
(d) Dadra & Nagar Haveli . . . .	115	0.08	6.78	0.22	1.91	695.65	363.64
(e) Delhi . . . .	7271	6.18	0.44	2.91	0.40	849.95	2123.71
(f) Goa, Daman & Diu . . . .	557	0.50	0.41	2.68	4.81	897.67	186.57
(g) Lakshadweep . . . .	Nil	..	..	..	..	..	..
(h) Pondicherry . . . .	6409	39.46	36.30	24.03	3.75	6156.97	1642.11
TOTAL ALL INDIA . . . .	2611657	7762.73	14.75	10422.81	3.99	2972.34	744.78

\*— Includes consumption by public water works pumping sets.

@— Consumption of connected load kWh/KW is high due to the public water works pump sets included in this category and also figures are being verified from Jammu and Kashmir State Electricity Boards.



TABLE No. 4·2·1

*Electricity Production and Consumption in selected Industries for the year 1974-75*

Serial No.	Name of Industry	Total No. of factories covered	Installed generating plant capacity as on 31-3-74 (KW)			
			Steam	Diesel	Gas/Hydro	Total
1	2	3	4	5	6	7
1	Aluminium (P) . . . . .	7	143450	350	..	143800
2	Aluminium (S) . . . . .	7	3250	1064	..	4314
3	Automobile . . . . .	6	..	4370	..	4370
4	Cement (P) . . . . .	40	109000	7200	..	116200
5	Cement (S) . . . . .	20	..	2481	..	2481
6	Chemicals . . . . .	83	70318	19840	10000 (G)	100158
7	Collieries . . . . .	95	58675	988	..	59663
8	Electrical Engineering . . . . .	58	3000	11490	..	14490
9	Fertilizer . . . . .	20	134525	4947	..	139472
10	Food Products . . . . .	19	640	3888	..	4528
11	Heavy Engineering . . . . .	22	12000	8920	..	20920
12	Iron (P) . . . . .	9	511800	1110	..	512910
13	Iron (S) . . . . .	31	..	1371	..	1371
14	Jute . . . . .	72	20500	15122	..	35622
15	Light Engineering . . . . .	45	..	13354	..	13354
16	Mineral oil & petroleum . . . . .	12	107900	3716	1790 (G)	113406
17	Mining & Quarrying . . . . .	12	..	2149	..	2149
18	Miscellaneous . . . . .	61	4605	10306	..	14911
19	Non-ferrous . . . . .	24	6000	10752	..	16752
20	Paper . . . . .	32	140040	7053	..	147093
21	Plastic . . . . .	2	2970	340	..	3310
22	Rubber & rubber products . . . . .	8	..	2561	..	2561
23	Sugar . . . . .	149	253469	16744	..	270213
24	Textile . . . . .	368	124514	93127	2612 'H'	220253
	<b>TOTAL</b>	<b>1202</b>	<b>1706656</b>	<b>243243</b>	<b>11790 'G' 2612 'H'</b>	<b>1964301</b>

TABLE NO. 4·2·1—concl'd.

Serial No.	Name of Industry	Aggregate maximum demand (KVA)		Energy (MKWH)			
		Generation in own power station	Purchase from public utility undertaking	Generated in own power stations			
				Steam	Diesel	Gas/hydro	Total
1	2	8	9	10	11	12	13
1	Aluminium (P) . . . . .	117000	493442	892·705	..	..	892·705
2	Aluminium (S) . . . . .	3425	9840	5·664	0·160	..	5·824
3	Automobile . . . . .	2820	34100	..	2·948	..	2·948
4	Cement (P) . . . . .	84800	241648	386·834	4·145	..	390·979
5	Cement (S) . . . . .	1040	34860	..	3·137	..	3·137
6	Chemicals . . . . .	66462	394742	254·041	12·878	Neg.	266·919
7	Collieries . . . . .	33965	147142	190·830	0·028	..	190·858
8	Electrical Engineering . . . . .	9794	96896	7·208	8·348	..	15·556
9	Fertilizer . . . . .	107605	472555	637·030	1·894	..	638·924
10	Food Products . . . . .	2242	12083	0·199	3·153	..	3·352
11	Heavy Engineering . . . . .	18070	145433	50·409	5·557	..	55·966
12	Iron (P) . . . . .	346700	894821	1747·505	0·009	..	1747·514
13	Iron (S) . . . . .	450	178929	..	0·839	..	0·839
14	Jute . . . . .	15910	140094	63·264	3·288	..	66·552
15	Light Engineering . . . . .	5332	82055	..	8·735	..	8·735
16	Mineral oil & petroleum . . . . .	96985	59161	466·707	13·224	15·927·G	495·858
17	Mining & Quarrying . . . . .	645	27199	..	0·103	..	0·103
18	Miscellaneous . . . . .	8318	153009	3·168	7·526	..	10·694
19	Non-ferrous . . . . .	10754	181128	18·588	0·215	..	18·803
20	Paper . . . . .	104215	135061	558·517	19·496	..	578·013
21	Plastic . . . . .	2870	30840	7·780	..	..	7·780
22	Rubber & rubber products . . . . .	1287	32482	..	1·355	..	1·355
23	Sugar . . . . .	167358	45924	456·284	33·490	..	489·774
24	Textile . . . . .	135821	864786	411·796	139·384	7·281 (‘H’)	558·461
	TOTAL . . . . .	1343868	4916230	6158·529	269·912	15·927 (‘G’) 7·281‘H’	6451·649

TABLE NO. 4.2.1—concl.

Serial No.	Name of Industry	Purchased from Public utility undertakings	Energy used in industry	Energy sold to		Annual load factor
				Public utility undertaking (MKWH)	Non-utility undertaking (MKWH)	
1	2	14	15	16	17	18
1	Aluminium (P)	2100.142	2917.472	..	..	68.20
2	Aluminium (S)	39.751	45.009	..	..	51.94
3	Automobile	53.715	56.589	..	..	21.87
4	Cement (P)	1156.538	1509.077	..	..	65.99
5	Cement (S)	195.314	198.331	..	..	76.60
6	Chemicals	1706.465	2028.333	..	..	62.75
7	Collieries	514.237	683.064	0.780	..	53.82
8	Electrical Engineering	278.636	293.158	..	..	39.21
9	Fertilizer	2475.349	3047.622	0.010	..	74.81
10	Food Products	41.903	45.129	..	..	44.99
11	Heavy Engineering	487.425	523.704	8.636	..	45.70
12	Iron (P)	2384.623	3825.474	12.390	17.689	43.96
13	Iron (S)	499.518	500.310	..	..	39.80
14	Jute	542.175	602.083	..	1.576	55.07
15	Light Engineering	234.217	242.532	..	..	39.78
16	Mineral oil & petroleum	218.160	552.534	117.084	..	50.49
17	Mining & Quarrying	78.912	79.105	..	..	39.46
18	Miscellaneous	545.404	555.346	..	..	49.11
19	Non-ferrous	939.755	954.715	0.030	..	68.50
20	Paper	687.501	1188.389	..	30.520	70.87
21	Plastic	185.828	192.596	..	..	81.53
22	Rubber & rubber products	143.562	144.856	..	..	61.21
23	Sugar	82.547	524.630	..	..	35.10
24	Textile	3886.894	4393.013	..	4.116	62.64
	TOTAL	19568.571	25102.981	138.930	53.881	57.22

TABLE No. 4.2.2

## Statewise Self-Generation Production and Consumption in Selected Industries for the Year 1974-75

Serial No.	State/UT	Total No. of factories covered	Installed generating plant capacity as on 31-3-1975 (KW)			
			Steam	Diesel	Gas/hydro	Total
1	2	3	4	5	6	7
1	Andhra Pradesh . . . . .	61	108790	7960	..	116750
2	Assam . . . . .	11	6750	5215	1790 'G'	13755
3	Bihar . . . . .	95	431120	3943	..	435063
4	Gujarat . . . . .	140	109868	22650	..	132518
5	Haryana . . . . .	33	18288	15243	..	33531
6	Jammu & Kashmir . . . . .	1	..	133	..	133
7	Karnataka . . . . .	55	39795	20415	2612 'H'	62822
8	Kerala . . . . .	45	35925	3513	..	39438
9	Madhya Pradesh . . . . .	57	118646	1214	..	119860
10	Maharashtra . . . . .	237	97674	53111	10000 'G'	160785
11	Orissa . . . . .	16	152148	1140	..	153288
12	Punjab . . . . .	20	4050	5414	..	9464
13	Rajasthan . . . . .	34	68258	14129	..	82387
14	Tamil Nadu . . . . .	108	81091	38193	..	119284
15	Uttar Pradesh . . . . .	99	223925	24678	..	248603
16	West Bengal . . . . .	166	182585	23239	..	205824
	<i>Union Territories</i>					
	(a) Delhi . . . . .	7	24850	..	..	24850
	(b) Rest . . . . .	17	2893	3053	..	5946
	<b>TOTAL</b> . . . . .	<b>1202</b>	<b>1706656</b>	<b>243243</b>	<b>11790 'G'/ 2612 'H'</b>	<b>1964301</b>

G—Gas

H—Hydro

TABLE NO. 4.2.2—contd.

Serial No.	State/UT	Aggregate maximum demand (KVA)		Energy Generated in own power Stations in MKWH				
		Generation in power station	Purchase from public utility undertakings	Gross generation				Net generation
				Steam	Diesel	Gas/hydro	Total	
1	2	8	9	10	11	12	13	14
1	Andhra Pradesh . . . . .	67915	148967	333·990	8·994	..	342·984	307·567
2	Assam . . . . .	11945	23984	16·075	13·226	15·927 'G'	45·228	42·134
3	Bihar . . . . .	267510	423163	1552·050	2·168	..	1554·218	1364·052
4	Gujarat . . . . .	86489	364412	463·750	37·042	..	500·792	458·811
5	Haryana . . . . .	23906	36263	87·145	22·786	..	109·931	104·798
6	Jammu & Kashmir . . . . .	133	..	..	0·020	..	0·020	0·020
7	Karnataka . . . . .	41702	881605	88·091	10·980	7·281 'H'	106·352	96·889
8	Kerala . . . . .	29384	159493	92·550	2·330	..	94·880	85·443
9	Madhya Pradesh . . . . .	92769	239337	491·147	0·216	..	491·363	415·874
10	Maharashtra . . . . .	94561	823645	204·238	71·263	..	275·501	248·806
11	Orissa . . . . .	133491	254185	615·288	0·013	..	615·301	527·503
12	Punjab . . . . .	6725	144063	8·992	5·765	@	14·687	13·547
13	Rajasthan . . . . .	70028	135583	275·894	1·571	..	277·465	249·616
14	Tamil Nadu . . . . .	83998	328625	271·733	61·012	..	332·745	302·263
15	Uttar Pradesh . . . . .	195575	439314	1110·624	27·430	..	1138·054	1027·892
16	West Bengal . . . . .	114314	480060	422·271	4·642	..	426·913	369·541
<i>Union Territories</i>								
	(a) Delhi . . . . .	19150	12543	118·842	..	..	118·842	106·793
	(b) Rest . . . . .	4273	21038	5·919	0·454	..	6·373	5·672
	<b>TOTAL</b> . . . . .	<b>1343868</b>	<b>4916,280</b>	<b>6,158,529</b>	<b>269,912</b>	<b>15297'G'/ 7·281 'H'</b>	<b>6451,649</b>	<b>5727,221</b>

TABLE NO. 4·2·2- *concl.*

Sl No.	State/U.T.	Million (KWH)		Energy sold to	
		Purchased from public utility undertakings	Used in the industry	Public utility undertakings	Non-utility undertakings
1	2	15	16	17	18
1	Andhra Pradesh . . . . .	755·327	1031·594	0·780	30·520
2	Assam . . . . .	121·646	163·780	..	..
3	Bihar . . . . .	1673·208	3018·608	7·720	10·932
4	Gujarat . . . . .	1835·215	2179·731	102·290	0·005
5	Haryana . . . . .	139·779	244·577	..	..
6	Jammu & Kashmir . . . . .	0·170	0·190	..	..
7	Karnataka . . . . .	2139·101	2235·990	..	..
8	Kerala . . . . .	939·662	1025·105	..	..
9	Madhya Pradesh . . . . .	1245·552	1661·426	..	..
10	Maharashtra . . . . .	3769·079	4017·885	..	..
11	Orissa . . . . .	1013·052	1533·875	6·680	..
12	Punjab . . . . .	713·251	726·798	..	..
13	Rajasthan . . . . .	573·513	823·129	..	..
14	Tamil Nadu . . . . .	1445·470	1738·223	9·510	..
15	Uttar Pradesh . . . . .	1297·582	2316·838	8·636	..
16	West Bengal . . . . .	1789·500	2143·303	3·314	12·424
	<i>Union Territories</i>				
	(a) Delhi . . . . .	41·307	148·100	..	..
	(b) Rest . . . . .	88·157	93·829	..	..
	TOTAL . . . . .	19568·571	25102·981	138·930	53·881

TABLE NO. 4·2·3

*Energy Consumed in Selected Industries in Million KWH During the Year 1974-75*

Sl. No.	Name of State/U.T.	Aluminium (Primary)	Aluminium (Secondary)	Auto-mobile	Cement (P)	Cement (S)	Chemicals	Collieries	Elect. Engineering	Fertilizers	Food-Products	Heavy Engg.	I & S (P)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Andhra Pradesh	..	..	..	123·884	..	54·619	115·275	24·465	119·551	6·961	28·709	..
2	Assam	..	..	..	..	11·279	0·825	4·018	..	88·989	..	..	..
3	Bihar	..	..	..	301·004	2·650	24·688	338·608	12·006	376·144	..	280·863	1344·012
4	Gujarat	..	..	..	192·466	2·674	319·709	..	7·550	399·251	..	..	..
5	Haryana	..	..	1·800	53·669	6·500	2·361	..	4·396	..	1·357	..	..
6	Karnataka	920·381	..	18·249	169·244	..	6·231	..	73·121	..	..	40·428	485·340
7	Kerala	353·212	9·683	..	5·202	0·852	203·858	..	3·709	259·905	0·333	..	..
8	Madhya Pradesh	..	..	..	156·676	158·548	4·872	62·614	59·029	..	..	..	659·052
9	Maharashtra	..	..	26·216	..	2·384	603·709	37·076	59·961	248·850	23·441	38·555	..
10	Orissa	264·806	2·684	..	51·730	..	..	22·311	..	..	..	17·884	834·159
11	Punjab	..	..	..	..	..	1·117	..	..	660·472	5·499	..	..
12	Rajasthan	..	..	..	185·164	..	152·511	..	..	192·587	..	..	..
13	Tamil Nadu	337·906	..	..	191·818	1·555	272·900	..	18·196	225·194	4·193	16·435	..
14	Uttar Pradesh	1041·167	..	..	78·220	..	246·967	..	8·481	419·070	2·627	63·521	..
15	West Bengal	..	32·642	10·324	..	11·889	61·838	103·162	22·244	57·609	0·758	38·309	502·911
16	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>												
	(a) Delhi	..	..	..	..	..	72·128	..	..	..	..	..	..
	(b) Rest	..	..	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL</b>	<b>2917·472</b>	<b>45·009</b>	<b>56·589</b>	<b>1509·077</b>	<b>198·331</b>	<b>2028·333</b>	<b>683·064</b>	<b>293·158</b>	<b>3047·622</b>	<b>45·129</b>	<b>523·704</b>	<b>3825·474</b>

TABLE NO. 4·2·3—contd.

Sl. No.	Name of State/U.T.	I & S (S)	Jute	Light Engg.	Mineral oil and Petroleum	Mining & Quarrying	Misc.	Non-ferrous	Paper	Plastic	Rubber	Sugar	Textile	Total
1	2	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Andhra Pradesh . . . . .	..	18·851	..	17·879	..	3·013	192·952	174·798	10·822	..	68·443	71·612	1031·594
2	Assam . . . . .	..	..	..	57·011	..	1·658	..	..	..	..	..	..	163·780
3	Bihar . . . . .	82·154	10·061	24·474	96·232	14·483	2·465	91·246	..	..	..	17·518	..	3018·608
4	Gujarat . . . . .	3·794	..	6·107	71·301	0·045	..	..	71·224	..	..	13·536	1092·074	2179·731
5	Haryana . . . . .	5·047	..	20·576	..	..	12·796	..	80·932	..	3·072	10·449	41·622	244·577
6	Karnataka . . . . .	..	..	18·566	..	22·702	..	199·498	102·620	..	..	43·002	136·929	2235·990
7	Kerala . . . . .	..	..	8·781	..	..	52·103	..	20·620	..	13·402	5·569	87·876	1025·105
8	Madhya Pradesh . . . . .	..	..	..	..	..	84·260	4·582	206·650	..	..	4·072	261·071	1661·426
9	Maharashtra . . . . .	221·650	..	71·542	172·051	..	187·354	127·909	116·952	181·774	53·133	138·631	1706·697	4017·885
10	Orissa . . . . .	..	..	..	..	3·962	..	233·062	101·580	..	..	1·697	..	1533·875
11	Punjab . . . . .	..	..	1·341	..	..	..	..	..	..	..	9·309	49·060	726·798
12	Rajasthan . . . . .	..	..	43·630	..	..	..	105·466	..	..	..	1·705	142·066	823·129
13	Tamil Nadu . . . . .	3·359	..	12·532	91·164	..	7·249	..	39·854	..	15·177	87·061	414·630	1738·223
14	Uttar Pradesh . . . . .	5·212	11·770	2·476	..	..	93·061	..	43·816	..	..	117·215	183·235	2316·838
15	West Bengal . . . . .	175·894	561·601	32·317	46·896	..	106·250	..	229·664	..	60·072	0·783	88·140	2143·303
16	Jammu & Kashmir . . . . .	..	..	0·190	..	..	..	..	..	..	..	..	..	0·190
	<i>Union Territories</i>													
	(a) Delhi . . . . .	3·200	..	..	..	..	..	..	..	..	..	..	72·772	148·100
	(b) Rest . . . . .	..	..	..	..	37·823	5·137	..	..	..	..	5·640	45·229	93·829
	<b>TOTAL</b> . . . . .	<b>500·310</b>	<b>602·083</b>	<b>242·532</b>	<b>552·534</b>	<b>79·015</b>	<b>555·346</b>	<b>954·715</b>	<b>1188·389</b>	<b>192·596</b>	<b>144·856</b>	<b>524·630</b>	<b>4393·013</b>	<b>25102·981</b>



---

---

**T E C H N I C A L S T A T I S T I C S**

**S E C T I O N - 5**

**M I S C E L L A N E O U S**

---

---

147-148

TABLE No. 5-1-1

*Acquisition of Electricity Supply Undertaking —1974-75*

Sl. No.	Name of the Undertaking	Prior ownership	Date & year of acquisition	By whom acquired
	<b>A. Generating &amp; Distributing</b>	..	..	..
	<b>B. Generating, purchasing &amp; Distributing</b>	..	..	..
1	Kapadwanj	Company	14-10-74	Gujarat S.E.B.
2	Jabalpur	Company	11-9-74	M.P.S.E.B.
3	Saugor	Company	11-9-74	M.P.S.E.B.
4	Merta City	Municipality	..	Raj. S.E.B.
5	Benaras	Company	5-2-75	U.P.S.E.B.
	<b>C. Purchasing &amp; Distributing</b>			
1	Anand	Company	14-2-75	Gujarat S.E.B.
2	Dewas	Company	11-9-74	M.P.S.E.B.
3	Belgaum	Company	18-12-74	Karnataka S.E.B.
4	Kanara (Sirsi)	Company	18-12-74	Karnataka S.E.B.
5	Karwar	Company	18-12-74	Karnataka S.E.B.
6	Manvi Bros. (Gadag)	Company	18-12-74	Karnataka S.E.B.
7	Manvi Bros. (Ranebennur)	Company	18-12-74	Karnataka S.E.B.
8	Manvi Bros. (Byadgi)	Company	18-12-74	Karnataka S.E.B.
9	Nipani	Company	18-12-74	Karnataka S.E.B.
10	Andul Mourri (Jhorehat Dultya)	Company	22-6-74	W.B.S.E.B.
11	Choughle & Co.	Company	..	Govt. of Goa, Daman & Diu

TABLE No. 5.1.2

*Distribution of License Undertaking into (1) Generating (2) Generating & Purchasing  
(3) Purchasing & Distributing Statewise*

Sl. No.	State	Generating & Distributing	Number of Companies		Total
			Generating, Purchasing & Distributing	Purchasing & Distributing	
1	2	3	4	5	6
1	Addhra Pradesh	..	..	1	1
2	Assam	..	1	..	1
3	Bihar	..	3	5	8
4	Gujarat	..	5	7	12
5	Haryana	..	..	..	..
6	Himachal Pradesh	..	..	..	..
7	Jammu & Kashmir	..	..	..	..
8	Kerala	..	..	3	3
9	Madhya Pradesh	..	..	..	..
10	Maharashtra	..	2	21	23
11	Manipur	..	..	..	..
12	Meghalaya	..	..	..	..
13	Mysore	..	..	1	1
14	Nagaland	..	..	..	..
15	Orissa	..	..	..	..
16	Punjab	..	..	1	1
17	Rajasthan	2	1	..	3
18	Tamil Nadu	..	..	..	..
19	Tripura	..	..	..	..
20	Uttar Pradesh	..	2	12	14
21	West Bengal	..	3	10	13
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..
	(c) Arunachal Pradesh	..	..	..	..
	(d) Chandigarh	..	..	..	..
	(e) Dadra & Nagar Haveli	..	..	..	..
	(f) Goa Daman & Diu	..	..	..	..
	(g) Lakshadweep	..	..	..	..
	(h) Mizoram	..	..	..	..
	(i) Pondicherry	..	..	..	..
	<b>TOTAL</b>	<b>2</b>	<b>17</b>	<b>61</b>	<b>80</b>

TABLE NO. 5-1-3

*Distribution of Municipal Undertakings*

Sl. No.	State	Number of Municipalities			Total
		Generating & Distributing	Generating Purchasing & Distributing	Purchasing & Distributing	
1	2	3	4	5	6
1	Andhra Pradesh . . . . .	..	..	..	..
2	Assam . . . . .	..	..	..	..
3	Bihar . . . . .	..	..	..	..
4	Gujarat . . . . .	..	1	8	9
5	Haryana . . . . .	..	..	..	..
6	Himachal Pradesh . . . . .	..	..	..	..
7	Jammu and Kashmir . . . . .	..	..	..	..
8	Kerala . . . . .	..	..	1	1
9	Madhya Pradesh . . . . .	..	..	..	..
10	Maharashtra . . . . .	..	..	5	5
11	Manipur . . . . .	..	..	..	..
12	Meghalaya . . . . .	..	..	..	..
13	Mysore . . . . .	..	..	..	..
14	Nagaland . . . . .	..	..	..	..
15	Orissa . . . . .	..	..	..	..
16	Punjab . . . . .	..	..	1	1
17	Rajasthan . . . . .	..	..	..	..
18	Tamil Nadu . . . . .	..	..	5	5
19	Tripura . . . . .	..	..	..	..
20	Uttar Pradesh . . . . .	..	2	10	12
21	West Bengal . . . . .	..	1	..	1
	<i>Union Territories</i>				
	(a) Delhi . . . . .	..	1	1	2
	(b) Andaman & Nicobar . . . . .	..	..	..	..
	(c) Arunachal Pradesh . . . . .	..	..	..	..
	(d) Chandigarh . . . . .	..	..	..	..
	(e) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(f) Lakshadweep . . . . .	..	..	..	..
	(g) Goa, Daman & Diu . . . . .	..	..	..	..
	(h) Mizoram . . . . .	..	..	..	..
	(i) Pondicherry . . . . .	..	..	..	..
	<b>TOTAL</b> . . . . .	..	5	31	36

TABLE NO. 5-1-4

Electrical Accidents during 1974-75

Sl. No.	State/Union Territory	Generating & Sub-station				Transmission Lines			
		Electric Supply Undertaking		Industrial Undertaking		Electric Supply Undertaking		Industrial Undertaking	
		Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	2	4	..	3	33+3@	28	1	1
2	Assam	..	1	..	..	5+3@	9	..	..
3	Bihar	1	3	1	..	2	2	..	..
4	Gujarat	..	21	..	..	43+9@	24	..	..
5	Haryana	4	7	..	..	14+5@	39	..	..
6	Himachal Pradesh	..	..	DATA NOT AVAILABLE		..	..	..	..
7	Jammu & Kashmir	..	..	DATA NOT AVAILABLE		..	..	..	..
8	Karnataka	2	3	..	..	12	4	..	..
9	Kerala	..	..	..	..	..	..	..	..
10	Madhya Pradesh	..	..	..	5	..	..	26+4@	24
11	Maharashtra	4	18	7+1@	13	38+7@	38	1	..
12	Manipur	..	..	DATA NOT AVAILABLE		..	..	..	..
13	Nagaland	..	..	..	..	..	..	..	..
14	Orissa	5	11	..	..	8+4@	19	..	..
15	Punjab	..	..	DATA NOT AVAILABLE		..	..	..	..
16	Rajasthan	11+1@	46	..	1	10+1@	23	..	..
17	Tamil Nadu	3	12	..	..	11	26	..	..
18	Tripura	..	..	DATA NOT AVAILABLE		..	..	..	..
19	Uttar Pradesh	26+1*	97	§	§	66+13+7@	51	§	§
20	West Bengal	..	6	..	..	23+10@	7	..	..
21	Meghalaya	..	..	..	..	1	1	..	..
22	Central Govt. Institutions	1	..	..	..	1	1	..	..
23	Railway	3	8	..	..	26	28	..	..
24	Mines	..	..	..	..	..	..	..	..
<i>Union Territories</i>									
	(a) A & N Islands	..	..	DATA NOT AVAILABLE		..	..	..	..
	(b) Chandigarh	..	..	DATA NOT AVAILABLE		..	..	..	..
	(c) Dadra & Nagar Haveli	..	..	DATA NOT AVAILABLE		..	..	..	..
	(d) Delhi	..	7	..	..	..	1	..	..
	(e) Goa, Daman & Diu	1	4	..	..	2	1	..	..
	(f) Lakshadweep	..	..	DATA NOT AVAILABLE		..	..	..	..
	(g) Arunachal Pradesh	..	..	DATA NOT AVAILABLE		..	..	..	..
	(h) Pondicherry	..	2	..	..	..	..	..	..
<b>TOTAL ALL INDIA</b>		63+1@ +1*	253	8+1@	22	295+49@ +13*	301	28+4@	25

TABLE NO. 5.1.4—contd.

Distribution Lines				Total		Sl. No.	State/Union Territory
Electric Supply Undertaking		Industrial Undertaking		Fatal	Non-fatal		
Fatal	Non-fatal	Fatal	Non-fatal				
11	12	13	14	15	16	1	2
106+24@	46	4	2	146+27@	84	1	Andhra Pradesh
7+4@	8	1	..	13+7@	18	2	Assam
3	1	5	13	12	19	3	Bihar
65+91@	60	7+1@	4	115+101@	112	4	Gujarat
24+94@	32	DATA NOT AVAILABLE	..	42+99@	78	5	Haryana
..	..	DATA NOT AVAILABLE	..	..	..	6	Himachal Pradesh
116+67@	108	3	4	133+67@	119	7	Jammu & Kashmir
118+26@	174	2	4	120+26@	178	8	Karnataka
1	..	103+50@	77	130+54@	106	9	Kerala
155+24@	147	35+1@	19	240+33@	235	10	Madhya Pradesh
..	..	DATA NOT AVAILABLE	..	..	..	11	Maharashtra
17+11@	18	5	3	35+15@	51	12	Manipur
..	..	DATA NOT AVAILABLE	..	2	..	13	Nagaland
33+8@	39	3	1	57+10@	110	14	Orissa
50+8@	37	10	5	74+8@	80	15	Punjab
82+50*+8@	106	DATA NOT AVAILABLE	..	..	..	16	Rajasthan
44+20@	4	§	§	174+64*+15@	254	17	Tamil Nadu
1@	..	..	..	67+30@	17	18	Tripura
..	2	..	..	1+1@	..	19	Uttar Pradesh
3	6	..	..	2	3	20	West Bengal
..	..	6	7	37	42	21	Meghalaya
..	..	..	..	6	7	22	Central Govt. Institutions
..	..	..	..	..	..	23	Railway
..	..	..	..	..	..	24	Mines
..	..	..	..	..	..	..	Union Territories
..	..	DATA NOT AVAILABLE	..	..	..	(a)	A & N Islands
..	..	DATA NOT AVAILABLE	..	..	..	(b)	Chandigarh
11	8	DATA NOT AVAILABLE	..	12	16	(c)	Dadra & Nagar Haveli
8	1	DATA NOT AVAILABLE	..	11	6	(d)	Delhi
..	..	DATA NOT AVAILABLE	..	..	..	(e)	Goa, Daman & Diu
..	..	DATA NOT AVAILABLE	..	..	..	(f)	Lakshadweep
1	3	DATA NOT AVAILABLE	..	1	5	(g)	Arunachal Pradesh
..	..	..	..	..	..	(h)	Pondicherry
851+386@+50*	800	185+52@	139	1430+493@+64*	1540	..	TOTAL ALL INDIA

@—Animal accidents.

\*—Accidents in which both animal and human are involved.

§—Included in Electric Supply Undertaking.

££—Incomplete data received.

---

---

**TECHNICAL STATISTICS**  
**SECTION 6**  
**PROGRESS OF ELECTRICITY SUPPLY -- UTILITIES**

---

---

TABLE No. 6·1·1

*Progress of Electricity Supply All India—(Utilities only) Installed Plant Capacity and Aggregate Maximum Demand*

Year	INSTALLED PLANT CAPACITY									Aggregate of maximum demand at generating Stations M.W.
	Total MW	Hydro		Steam		Gas, Turbine & Diesel		Nuclear		
		MW	% of Col 2	MW	% of Col. 2	MW	% of Col. 2	M.W.	% of Col. 2	
1	2	3	4	5	6	7	8	9	10	11
1939	1069·72	442·17	41·33	540·76	50·55	86·79	8·12	..	..	575·80
1947	1363·27	508·13	37·27	757·46	55·56	97·68	7·17	..	..	882·85
1948	1410·97	515·56	36·54	788·39	55·87	107·02	7·59	..	..	965·78
1949	1537·19	559·08	36·37	852·64	55·47	125·47	8·16	..	..	1008·00
1950	1712·52	559·29	32·66	1004·43	58·65	148·80	8·69	..	..	1098·31
1961	1835·43	575·18	31·34	1097·57	59·80	162·68	8·86	..	..	1205·19
1952	2061·76	715·18	34·69	1176·32	57·05	170·26	8·26	..	..	1310·65
1953	2305·19	731·18	31·72	1393·72	60·46	180·29	7·82	..	..	1416·35
1954	2494·00	793·35	31·81	1491·04	59·79	209·61	8·40	..	..	1625·12
1955	2694·82	939·48	34·86	1546·81	57·40	208·53	7·74	..	..	1894·67
1956	2886·14	1061·44	36·78	1596·41	55·31	228·29	7·91	..	..	1989·77
1957-58	3223·11	1213·92	37·66	1763·26	54·71	245·93	7·63	..	..	2288·21
1958-59	3511·59	1361·75	38·78	1879·55	53·52	270·29	7·70	..	..	2542·26
1959-60	3873·17	1530·15	39·51	2047·01	52·85	296·01	7·64	..	..	2931·36
1960-61	4653·05	1916·66	41·19	2436·25	52·36	300·14	6·45	..	..	3545·93
1961-62	5218·82	2419·10	46·35	2471·02	47·35	328·70	6·30	..	..	3971·21



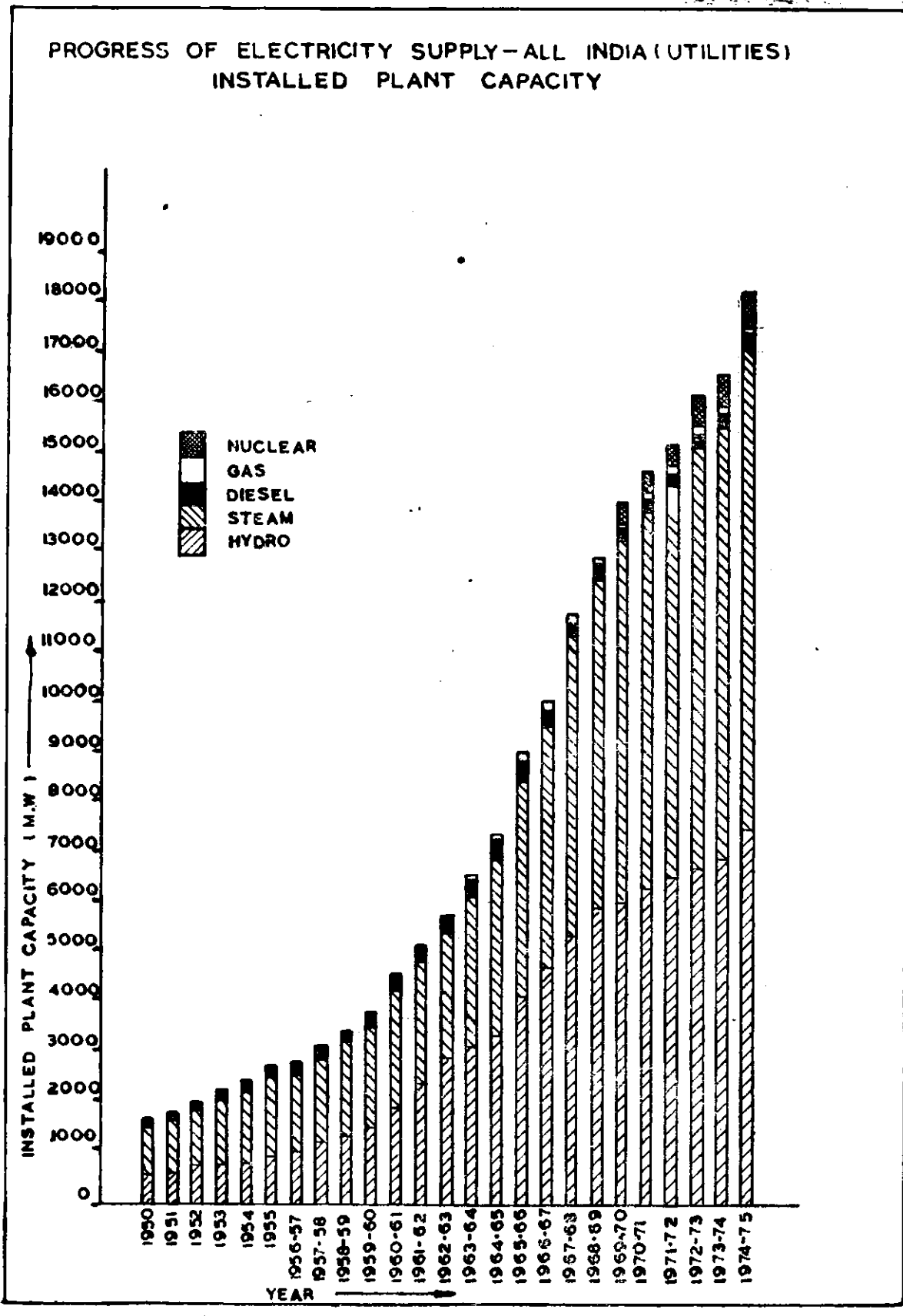


TABLE NO. 6.1.1—*contd.*

1	2	3	4	5	6	7	8	9	10	11
1962-63	5801.19	2936.35	50.62	2537.69	43.74	327.15	5.64	..	..	4635.05
1963-64	6573.94	3167.02	48.16	3007.63	45.74	401.29	6.10	..	..	5548.50
1964-65	7396.67	3388.73	45.82	3604.58	48.73	403.36	5.45	..	..	6257.20
1965-66	9027.02	4123.75	45.68	4417.11	48.93	486.16	5.39	..	..	7306.13
1966-67	10092.17	4757.22	47.14	4886.91	48.42	448.04	4.44	..	..	8291.57
1967-68	11883.16	5486.92	46.17	5975.41	50.29	420.83	3.54	..	..	9702.79
1968-69	12957.27	5906.91	45.59	6640.34	51.25	410.02	3.16	..	..	10871.06
1969-70	14102.45	6134.77	43.50	7196.39	51.03	351.29	2.49	420.00	2.98	11946.18
1970-71	14708.95	6385.23	43.40	7508.18	51.04	397.54	2.70	420.00	2.86	12532.90
1971-72	15254.37	6611.61	43.34	7818.38	51.26	404.38	2.65	420.00	2.75	13333.09
1972-73	16281.71	6785.41	41.67	8467.98	52.01	408.32	2.51	620.00	3.81	13865.76
1973-74	16663.56	6965.30	41.79	8651.76	51.93	406.50	2.44	640.00	3.84	14478.71
1974-75	18316.68	7529.24	41.11	9752.54	53.24	394.90	2.16	640.00	3.49	15576.65

TABLE No. 6.1.2

## Progress of Electricity Supply All India (Utilities only) Energy Generated Gross &amp; KWH Generation per K.W. of Installed Capacity

Year	ENERGY GENERATED (GROSS)													
	Total	Hydro		Steam		Gas & Diesel		Nuclear		Kwh. Generated/Kw. of installed capacity				
	M. kwh	M. kwh	% of Col. 2	M. kwh	% of Col. 2	M. kwh.	% of Col. 2	M. kwh.	% of Col. 2	Hydro	Steam	Gas & Diesel	Nuclear	Total
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1939 . .	2442.42	N.A.	..	N.A.	..	N.A.	..	..	..	N.A.	N.A.	N.A.	..	2283
1947 . .	4073.32	2194.54	53.87	1733.98	42.58	144.80	3.55	..	..	4319	2289	1482	..	2988
1948 . .	4575.47	2373.29	51.86	2047.01	44.75	155.17	3.39	..	..	4603	2596	1450	..	3243
1949 . .	4909.29	2489.87	50.72	2243.67	45.70	175.75	3.58	..	..	4454	2631	1401	..	3194
1950 . .	5106.70	2519.77	49.34	2837.06	46.75	199.73	3.91	..	..	4505	2377	1342	..	2982
1951 . .	5858.40	2859.70	48.81	2779.42	47.44	219.64	3.75	..	..	4972	2532	1350	..	3192
1952 . .	6120.35	2799.13	45.73	3102.42	50.69	218.80	3.58	..	..	3914	2637	1285	..	2969
1953 . .	6697.19	2913.86	43.51	3572.79	53.35	210.54	3.14	..	..	3985	2564	1168	..	2905
1954 . .	7521.78	3236.52	43.03	4057.92	53.95	227.34	3.02	..	..	4079	2722	1085	..	3016
1955 . .	8592.45	3742.24	43.55	4618.86	53.76	231.35	2.69	..	..	3983	2986	1109	..	3189
1956-57 . .	9662.13	4294.88	44.45	5133.90	53.13	233.36	2.42	..	..	4046	3216	1022	..	3348
1957-58 . .	11369.14	5072.24	44.61	6042.45	53.15	254.45	2.24	..	..	4178	3427	1035	..	3527
1958-59 . .	12993.89	5848.10	45.01	6847.65	52.70	298.14	2.29	..	..	4295	3643	1103	..	3700
1959-60 . .	15032.95	7027.42	46.75	7678.43	51.08	327.10	2.17	..	..	4593	3751	1105	..	3881
1960-61 . .	16937.01	7836.58	46.27	8732.41	51.56	368.02	2.17	..	..	4089	3584	1226	..	3640
1961-62 . .	19669.95	9814.38	49.90	9475.88	48.17	379.69	1.93	..	..	4057	3835	1155	..	3869

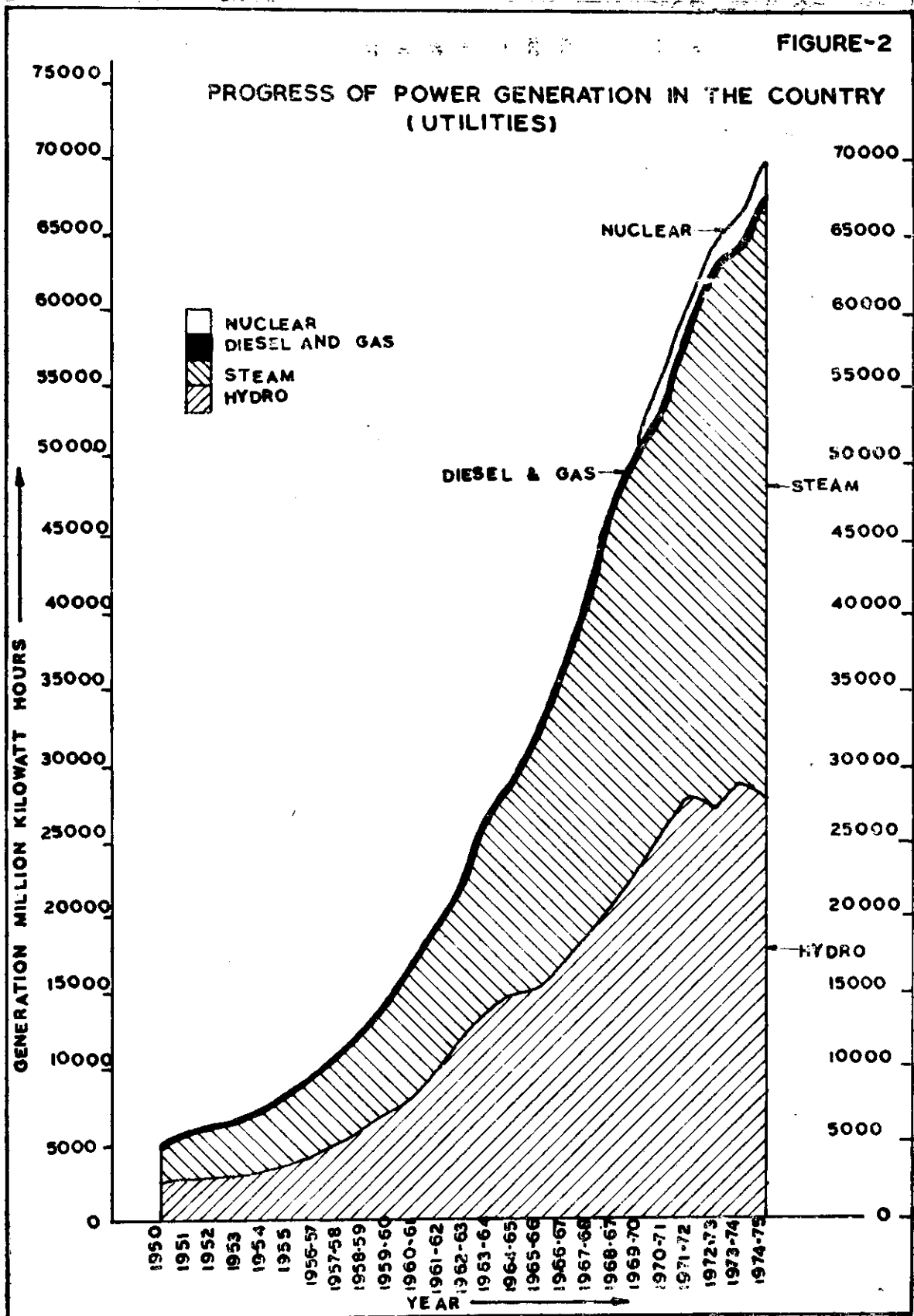


TABLE No. 6-1-2—cont.

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1962-63 . .	22364.97	11804.64	52.78	10176.86	45.50	383.57	1.72	..	..	4020	4010	1,172	..	3985
1963-64 . .	26817.57	13956.70	52.04	12506.13	46.64	354.74	1.32	..	..	4407	4158	884	..	4078
1964-65 . .	29563.08	14798.85	50.06	14839.89	48.67	374.34	1.27	..	..	4367	3992	928	..	4011
1965-66 . .	32990.12	15224.97	46.15	17372.18	52.66	392.97	1.19	..	..	3692	3933	808	..	3655
1966-67 . .	36375.59	16734.10	46.00	19295.44	53.05	346.05	0.95	..	..	3518	3948	772	..	3604
1967-68 . .	41194.64	18658.06	45.29	22232.75	53.97	303.83	0.74	..	..	401	3721	722	..	3467
1968-69 . .	47433.65	20722.67	43.69	26393.72	55.64	317.26	0.67	..	..	3508	3975	774	..	3661
1969-70 . .	51988.72	23046.05	44.33	27296.87	52.51	306.80	0.59	1339.00	2.57	3757	3793	873	3188	3687
1970-71 . .	55827.64	25248.24	45.23	27796.45	49.79	365.57	0.65	2417.38	4.33	3955	3702	920	5756	3705
1971-72 . .	60925.63	28024.22	46.00	31237.28	51.27	474.81	0.78	1189.32	1.95	4239	3995	1174	2832	3994
1972-73 . .	64546.00	27195.95	42.13	35614.12	55.18	603.19	0.93	1132.74	1.76	4008	4206	1477	1827	3964
1973-74 . .	66689.03	28971.84	43.45	34853.08	52.26	467.75	0.70	2396.36	3.59	4161	4028	1151	3744	4002
1974-75 . .	70190.53	27875.18	39.71	39538.72	56.33	570.54	0.81	2206.09	3.14	3702	4045	1445	3447	3832

TABLE No. 6.1.3

*Progress of Electric Supply Industry (Utilities only) Energy Consumption & per Capita Consumption*

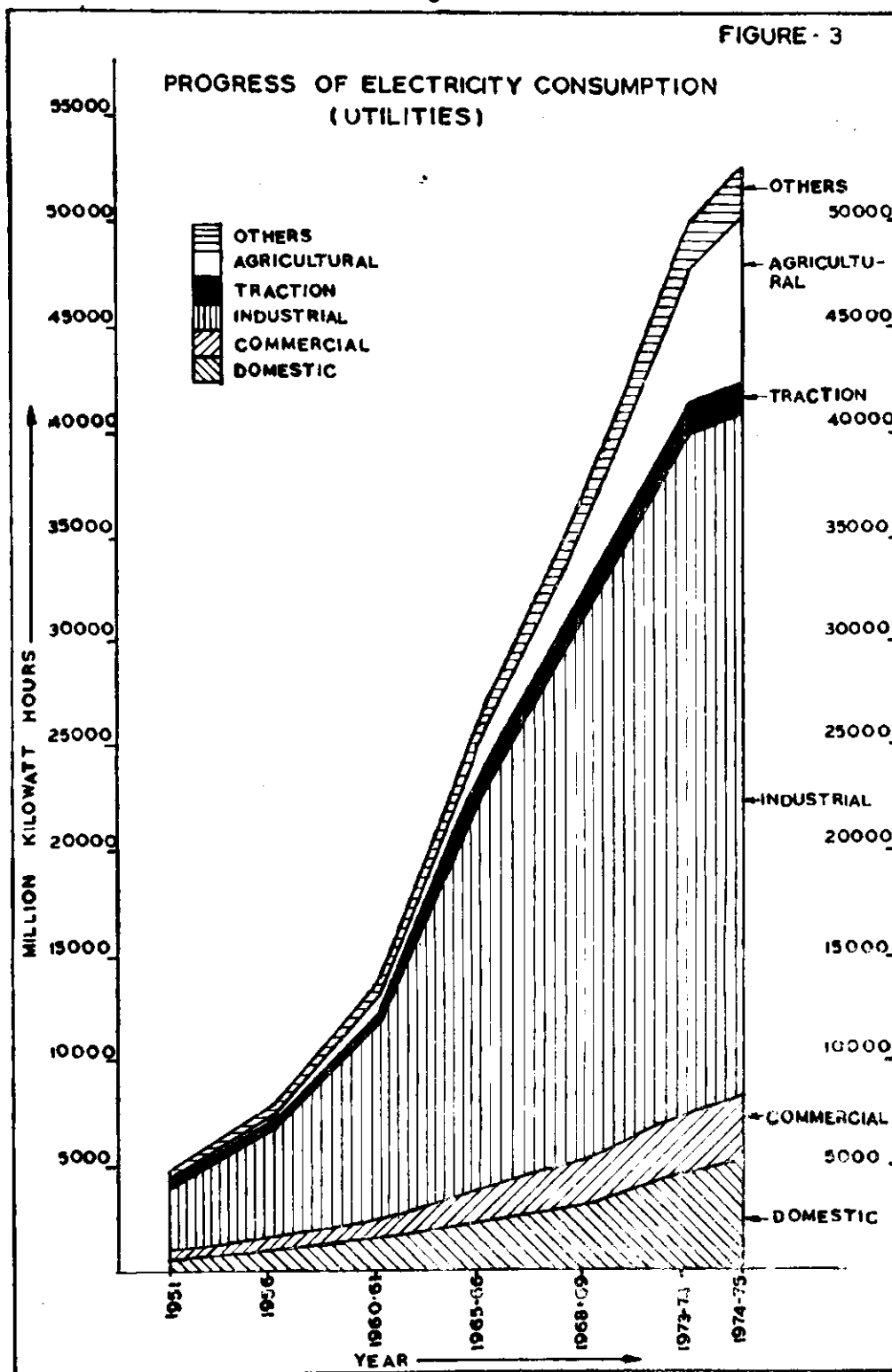
Year	Total Energy sold (MKWH)	Percentage of Column at 2						Per capita consumption (MKWH)	
		Domestic	Commercial	Industrial Power	Traction	Agriculture	Other	Utilities	Total including non-utility
1	2	3	4	5	6	7	8	9	10
1939 . . .	2034.64	12.7A	A	66.2	10.6	3.2	7.3	N.A.	N.A.
1947 . . .	3358.79	17.9	A	63.6	8.3	3.7	6.5	N.A.	N.A.
1948 . . .	3721.46	11.0	6.3	65.4	7.9	3.3	6.1	N.A.	N.A.
1949 . . .	4004.72	11.8	6.9	64.1	7.5	3.8	5.9	N.A.	N.A.
1950 . . .	4156.66	12.6	7.5	62.6	7.4	3.9	6.0	10.1	14.6
1951 . . .	4793.34	12.4	6.9	63.7	6.9	4.3	5.8	13.3	17.8
1952 . . .	5005.682	12.6	6.7	64.0	6.5	4.3	5.9	13.4	17.9
1953 . . .	5597.08	12.3	7.1	64.6	6.4	3.8	5.8	14.6	20.9
1954 . . .	6250.50	12.1	7.1	65.2	6.1	3.7	5.8	16.0	20.9
1955 . . .	7111.01	12.0	7.2	66.0	5.7	3.6	5.5	17.9	23.0
1956-57 . . .	7959.34	11.7	6.8	66.9	5.1	4.0	5.5	20.7	26.4
1957-58 . . .	9345.22	11.6	6.5	66.0	4.5	6.0	5.4	22.3	27.9
1958-59 . . .	10718.61	11.5	6.3	67.5	4.1	5.5	5.1	25.2	30.7
1959-60 . . .	12406.94	11.1	6.2	68.2	3.6	6.1	4.8	28.9	34.8
1960-61 . . .	13840.37	10.7	6.1	69.4	3.3	6.0	4.5	31.9	38.2
1961-62 . . .	16448.29	10.3	5.7	70.2	3.6	6.0	4.2	36.8	43.6
1962-63 . . .	18679.02	10.3	5.6	70.2	3.9	5.9	4.1	41.0	48.5

TABLE NO. 6.1.3—*contd.*

1	2	3	4	5	6	7	8	9	10
1963-64	21793·98	9·7	5·5	73·5	2·2	5·4	3·7	45·9	54·4
1964-65	24219·27	9·2	5·9	71·8	3·7	5·8	3·6	49·8	57·5
1965-66	26734·94	8·8	6·2	70·6	4·0	7·1	3·3	53·7	61·4
1966-67	29127·64	9·0	6·2	70·0	4·1	7·2	3·5	58·1	66·2
1967-68	32736·87	8·9	5·3*	69·8	4·0	7·9	4·1	63·6	71·6
1968-69	37352·35	8·5	5·7	69·3	3·3	9·3	3·9	70·8	77·9
1969-70	41061·70	8·6	5·7	69·1	3·5	9·2	3·9	76·0	83·5
1970-71	43724·16	8·8	5·9	67·6	3·2	10·2	4·3	80·9	89·8
1971-72	47063·20	8·7	6·3	67·2	3·5	10·6	3·7	84·4	93·8
1972-73	49008·08	8·8	5·7	65·7	3·7	12·0	4·1	86·9	96·3
1973-74	50246·38	9·2	6·0	64·6	3·0	12·6	4·6	87·15	97·48
1974-75	52631·64	9·8	5·9	62·1	2·9	14·7	4·6	89·44	98·99

\*From the year 1967-68 onwards consumption of Misc. category has been shown under Col. No. 8.

A—Including commercial.





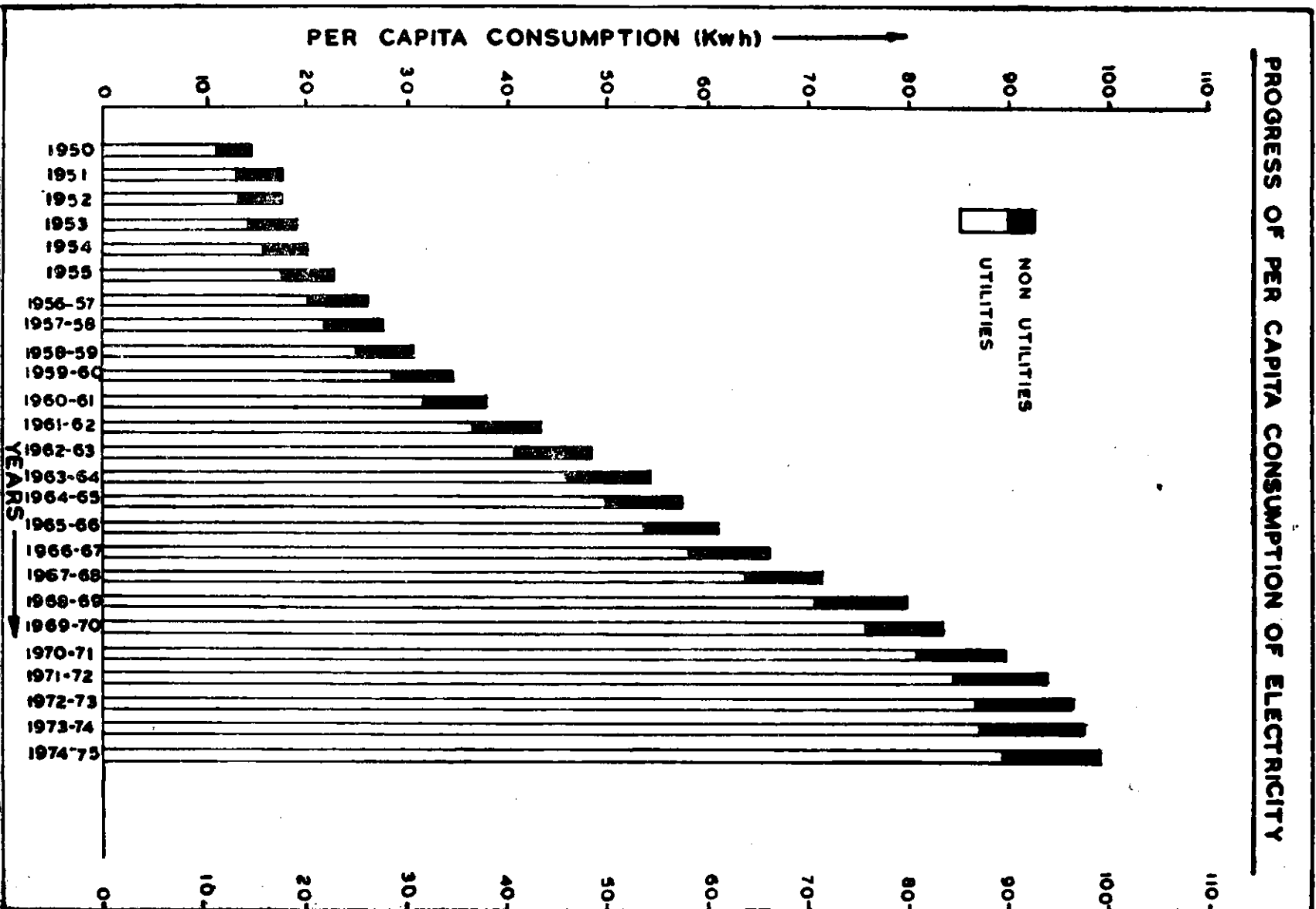


TABLE NO. 6.1.4

## Annual Per Capita Consumption—Statewise Progress

Sl. No.	Name of the State	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8	9
1	Andhra Pradesh	N.A.	5.55	19.20	30.90	43.06	60.58	62.00
2	Assam*	N.A.	0.91	3.60	7.80	14.90	25.60	26.59
3	Bihar	N.A.	8.28	41.50	57.70	60.96	71.03	70.81
4	Gujarat	..	..	52.01	85.30	116.11	153.60	177.30
5	Haryana	..	..	..	..	75.22	140.78	124.88
6	Himachal Pradesh	..	..	N.A.	9.36	16.02	56.96	58.79
7	Jammu & Kashmir	N.A.	N.A.	14.25	N.A.	33.18	42.96	52.73
8	Karnataka	N.A.	63.72	44.20	55.10	69.82	120.95	122.35
9	Kerala	N.A.	N.A.	28.75	41.80	67.58	84.75	83.12
10	Madhya Pradesh	..	..	19.59	37.79	48.68	68.42	70.51
11	Maharashtra	N.A.	N.A.	52.00	85.30	137.07	169.60	177.18
12	Manipur	N.A.	N.A.	N.A.	4.26	3.20	7.90	7.73
13	Nagaland	..	..	..	2.10	8.05	34.91	27.22
14	Orissa	N.A.	0.98	42.80	79.40	88.51	92.85	91.30
15	Punjab	N.A.	18.20	32.90	101.60	164.97	196.51	155.22
16	Rajasthan	N.A.	3.33	11.50	21.40	32.79	61.13	64.98
17	Tamil Nadu	N.A.	21.03	50.50	88.70	115.00	133.25	133.14
18	Tripura	N.A.	N.A.	N.A.	2.67	4.59	6.07	5.99
19	Uttar Pradesh	N.A.	8.72	15.10	29.04	49.90	57.85	60.88
20	West Bengal	N.A.	66.40	83.90	114.30	106.35	115.85	113.87
<i>Union Territories</i>								
	(a) A & N Islands	N.A.	N.A.	N.A.	21.88	26.43	28.68	27.78
	(b) Arunachal Pradesh	N.A.	N.A.	N.A.	N.A.	N.A.	5.21	3.40
	(c) Chandigarh	N.A.	N.A.	N.A.	N.A.	254.30	328.88	363.80
	(d) D. & N. Haveli	N.A.	N.A.	N.A.	N.A.	8.57	14.94	14.75
	(e) Delhi	68.48	122.91	186.80	205.50	241.49	315.79	321.74
	(f) Goa, Daman & diu	N.A.	N.A.	N.A.	12.94	80.67	132.62	131.11
	(g) Lakshadweep	N.A.	N.A.	N.A.	1.23	5.33	8.82	11.88
	(h) Pondicherry	N.A.	N.A.	N.A.	134.92	163.49	187.32	225.07
TOTAL (ALL-INDIA)		17.80	26.40	38.20	61.30	77.88*	97.48	98.90

NOTE:—

N.A.—Not available.

\*—Including Meghalaya &amp; Mizoram.

TABLE NO. 6-1-5  
Index number of Public Electricity Supply Utilities

## ALL INDIA

Sl. No.	31-12-50	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8
<b>Installed plant capacity at the end of</b>							
(a) Hydro . . . . .	100	160.0	342.7	757.8	1056.1	1245.33	1346.16
(b) Steam (including Nuclear)	100	154.0	242.6	439.8	661.1	925.08	1034.67
(c) Gas Turbine & Diesel . . . . .	100	140.0	201.7	326.7	275.6	273.21	265.41
(d) All Types . . . . .	100	157.4	271.8	527.2	756.6	972.97	1069.49
1	1959	1956	1960-61	1965-66	1968-69	1973-74	1974-75
<b>Energy Generated :</b>							
(a) Hydro . . . . .	100	150.1	274.0	532.4	724.6	1013.13	974.78
(b) Steam (including Nuclear)	100	184.1	314.2	625.1	947.2	1291.17	1446.99
(c) Gas Turbine & Diesel	100	106.2	167.5	178.6	144.5	212.98	259.78
(d) All Types . . . . .	100	164.9	289.1	563.1	809.7	1138.37	1198.14
(e) (i) Coal Consumption*	100	166.4	257.4	414.6	557.2	924.59	1094.78
(ii) Diesel oil consumption in Gas Turbine & Diesel Power Stations . . . . .	100	104.3	153.1	233.1	80.6	55.19	54.93
Aggregate Maximum Demand . . . . .	100	165.1	294.2	606.2	902.0	1201.12	1292.20
<b>Energy Sales :</b>							
Domestic Light & Small Power . . . . .	100	157.2	251.2	396.4	536.0	781.80	870.72
Commercial Light & Small Power . . . . .	100	165.4	256.9	500.0	713.7	905.25	933.75
Industrial Power . . . . .	100	174.0	317.0	617.1	846.4	1061.86	1068.69
Public Lighting . . . . .	100	173.2	285.8	413.6	550.4	817.79	857.55
Railways/Tramways . . . . .	100	122.9	137.7	324.4	378.2	464.44	464.56
Agricultural . . . . .	100	155.7	410.2	931.7	1706.7	3107.71	3823.06
Public Water Works & Sewage Pumping . . . . .	100	150.9	207.6	297.5	398.4	531.58	583.97
All Categories . . . . .	100	166.1	298.9	557.8	779.2	1048.25	1098.01

\*—Excludes wood and lignite.

Base : (a) For installed capacity 31-12-50 (nearest available for beginning of First Plant,  
(b) For generation and sales : 1951 (calendar year).

---

---

**FINANCIAL STATISTICS**  
**SECTION-7**  
**CAPITAL ACCOUNT, REVENUE ACCOUNT, NET REVENUE AND**  
**APPROPRIATION ACCOUNT, BALANCE SHEET ETC.**

---

---

TABLE NO. 7-1-1

Statement of Capital Outlay (i.e.,) Original Cost of Plant, Equipment etc. on Electricity Supply Systems and Undertakings owned and Operated by State Government Departments, State Electricity Boards, Power Corporations and Local Authorities in the Public Sector and Companies, Partnerships, etc. in the Private Sector as on 31st March, 1974.

## CAPITAL EXPENDITURE

(Figures in Rs. lakhs)

Sl. No.	States, Corporations and Union Territory	Public Sector				Private Sector		Total	
		Government, Boards and Corporations		Municipalities		Companies*		1972-73	1973-74
		1972-73	1973-74	1972-73	1973-74	1972-73	1973-74		
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	26,485	28,123	..	..	129	180	26,614	28,303
2	Assam	7,130	7,437	..	..	83	91	7,213	7,528
3	Bihar	24,016	26,383	..	..	876	483	24,892	26,866
4	Gujarat	22,046	23,951	350	363	4,755	4,971	27,151	29,285
5	Haryana	14,306	15,213	..	..	..	..	14,306	15,213
6	Himachal Pradesh	2,728	2,865	70	..	..	..	2,798	2,865
7	Jammu & Kashmir	..	..	..	..	..	..	..	..
8	Karnataka	1,3325	14,333	..	..	245	276	13,570	14,609
9	Kerala	14,388	15,229	38	48	70	73	14,496	15,350
10	Madhya Pradesh	21,437	23,659	..	..	287	288	21,724	23,947
11	Maharashtra	34,082	39,388	5,759	6,260	11,591	12,243	51,432	57,891
12	Nagaland	..	..	..	..	..	..	..	..
13	Orissa	11,804	13,081	..	..	..	..	11,804	13,081
14	Punjab	18,524	21,042	212	216	13	13	18,749	21,271
15	Rajasthan	18,381	20,511	..	..	127	134	18,508	20,645
16	Tamil Nadu	44,935	49,182	236	247	1,352	..	46,523	49,429
17	Uttar Pradesh	52,457	57,844	297	292	3,490	3,044	56,244	61,180
18	West Bengal	8,692	9,021	38	39	9,116	9,436	17,846	18,496
19	Power Corporation (DVC, Durgapur, Neyveli, Sharavati & Bhadra)	37,673	39,410	..	..	..	..	37,673	39,410
<i>Union Territories</i>									
	(a) Delhi	..	..	6,725	7,913	..	..	6,725	7,913
	(b) Rest	1,474	1,586	..	..	..	..	1,474	1,586
	Total	3,73,883	4,08,258	13,725	15,378	32,134	31,232	4,19,742	4,54,868

\* Includes Renuagar (Non Utility Company)

TABLE No. 7.1.2

## Public Electricity Supply Industry—Consolidated Annual Accounts for the year ended 31st March 1974

## CAPITAL ACCOUNT

(Figures in Rs. lakhs)

1972-73	Particulars	Govt. Deptts/Boards/Power Corpns.	Muni-cipalities	Compa-nies	Total	1972-73	Particulars	Govt. Deptts./Boards/Power Corpns.	Muni-cipalities	Compa-nies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	(1) TO GENERATION ASSETS—						1. BY CAPITAL RAISED—				
	(a) Steam Power Stations—						(a) Invested by States—				
	(i) Land . . . . .	489	5	117	611	G-429244	(i) Govt. Undertakings .	4,85,516	..	..	4,85,516
	(ii) Buildings . . . . .	9,542	83	1,054	10,679	M-11335	(ii) Municipal Undertakings	..	12,434	..	12,434
	(iii) Boilers, Turbine Generating, etc.	71,462	3,352	8,077	82,891		Group Total . . . . .	4,85,516	12,434	..	4,97,950
	(iv) Other equipments . . . .	7,747	..	389	8,136		(b) Invested by Private Sector				
	Group Total . . . . .	89,240	3,440	9,637	1,02,317		Companies—				
	(b) Oil Power Stations—						(i) Ordinary Share Capital	..	..	4,373	4,373
	(i) Land . . . . .	140	..	2	142	O-4588	(ii) Preference Share Capital	..	..	935	935
	(ii) Buildings . . . . .	711	11	14	736	P-962	(iii) Debentures . . . . .	..	..	3,353	3,353
	(iii) Engines Generators, etc.	2,810	177	61	3,048	D-3404	(iv) Other Secured Loan Capital	..	..	2,655	2,655
	(iv) Other Equipments . . . . .	166	..	..	166	SL-2870					
	Group Total . . . . .	3,827	188	77	4,092		2. BY CAPITAL RESERVE	655	191	235	1,081
84877 G-2635 M-60 C-98						O-4588					
—2 9737—						P-962					
						D-3404					
						SL-2870					
75 G-35 1 M-20 C-77						G-1018 M-204 C-242					
3853						1464					

	(c) Hydro Power Stations											
	(i) Land . . . . .	1,224	1	73	1,298	G-7341 M-659 C-2321	3. BY CONSUMERS CON- TRIBUTION FOR SER- VICE LINES	9,071	714	2,166	11,951	
						10321						
	(ii) Buildings . . . . .	7,462	2	136	7,600							
	(iii) Hydraulic Power Plant	43,748	23	490	44,261							
	(iv) Civil Works . . . . .	20,473	41	1,465	21,979							
G-69331 M-80 C-2143												
71554	Group Total . . . . .	72,907	67	2,164	75,138							
172779	SUB-TOTAL . . . . . (Generation Assets)	1,65,974	3,695	11,878	1,81,547							
71112	(2) TO TRANSMISSION ASSETS.	71,525	399	3,155	75,079							
	(3) TO DISTRIBUTION ASSETS—											
	(i) Cables and Mains . . . . .	88,851	2,869	5,514	97,234							
	(ii) Sub-stations Transfor- mers.	31,692	1,959	3,724	37,375							
	(iii) Service Lines . . . . .	19,885	1,708	3,334	24,927							
	(iv) Public Lighting . . . . .	2,226	324	325	2,875							
	(v) Meters, Testing Instru- ments, etc.	11,074	946	1,499	13,519							
G-133373 M-7317 C-15085 12												
155775	Group Total . . . . .	1,53,728	7,806	14,396	1,75,930							

TABLE No. 7.1.2—contd.

	2	3	4	5	6	7	8	9	10	11	12
	(4) TO GENERAL ASSETS										
	(i) Land, Buildings and Structures, etc.	6,186	491	544	7,221						
	(ii) Office Furniture and Misc. Equipment.	2,971	107	457	3,535						
	(iii) Workshop Plant and equipment tools and implements.	2,693	108	52	2,853						
G-13848 M-788 C-1300	(iv) Transportation and Communication.	3,600	83	225	3,908						
15936	Group Total	15,450	789	1,278	17,517						
G-1149 M-1 C-638	(5) TO INTANGIBLE ASSETS.	1,581	1	525	2,107						
1788											
M-2352	(6) TO SPECIAL ITEMS										
	(Tramways in the case of Bombay).	..	2,688	..	2,688						
G-373883 M-13725 C-32134	Total Carried over to General Balance Sheet.	4,08,258	15,378	31,232	4,54,868	G-437603 M-12198 C-14387					
419742						464188		4,95,243	13,339	13,717	5,22,294

G—Government.  
M—Municipalities.  
C—Companies.  
O—Ordinary Share Capital.  
SL—Secured Loans.  
P—Preference Share Capital.  
D—Debentures.



TABLE No. 7-1-3  
REVENUE ACCOUNT—1973-74

(Figures in Rs. lakhs.)

1972-73	Particulars	Govt. Deptts./ Boards/ Power Corpns.	Municipalities.	Companies.	Total	1972-73	Particulars	Govt. Deptts./ Boards/ Power Corpns.	Municipalities	Companies.	Total
1	2	3	4	5	6	7	8	9	10	11	12
	TO OPERATING EXPENSES.						BY OPERATING REVENUES.				
G-10523 M-5351 C-3386	1. GENERATION					G-7355 M-1398 C-2421	1. SALES OF ELECTRICITY				
14,444	(i) Coal . . . . .	12,303	646	3,502	16,451	11,174	(i) Domestic & Residential	8,587	1,592	2,296	12,475
G-275 M-32 C-12	(ii) Oil . . . . .	249	25	14	288	G-4485 M-1268 C-1227	(ii) Commercial . . . . .	5,113	1,428	1,057	7,598
319	(iii) Consumable Store . . . . .	476	14	53	543	G-24136 M-1384 C-9069	(iii) Industrial . . . . .	26,675	1,549	10,114	38,338
G-430 M-10 C-48						34589					
488											

TABLE No. 7-1-3—contd.

1	2	3	4	5	6	7	8	9	10	11	12
G-2129 M-78 C-413	(b) Salaries and Wages .	2,681	99	450	3,230	G-1013 M-112 C-186	(iv) Public Lighting . . .	1,072	118	170	1,360
2,620						1,311					
G-2453 M-28 C-544	(c) Repairs & Maintenance	2,665	22	614	3,301						
3,025											
G-7543 M-2016 C-6183	(d) Purchase of Energy .	10,212	2,388	7,543	20,143	G-2413 M-204 C-319	(v) Public Water Works and Sewage Pumping.	804	212	301	1,317
15,742						2,936					
2. TRANSMISSION											
G-656 M-8 C-88	(a) Salaries and wages .	850	7	92	949	G-8991 M-18 C-120	(vi) Agricultural . . .	9,920	17	124	10,061
752						9,129					
G-592 M- C-43	(b) Repairs and Maintenance	737	..	35	772	G-1489 M-1 C-324	(vi) Traction . . .	1,450	1	394	1,845
635						1814					

3. DISTRIBUTION											
G-4075 M-361 C-589						G-10394 M-676 C-2510					
5025	(a) Salaries and Wages	5,202	542	580	6,324	13,580	(viii) Supplies in Bulk to Distributing Licensees	14,728	532	3,108	18,368
G-2893 M-125 C-400						G-880 M-94 C-185					
3,418	(b) Repairs and Maintenance	3,213	168	405	3,786	1,159	2. METER AND OTHER RENTALS.	1,103	102	159	1,364
G-289 M-42 C-121						G-339 M-3 C-11					
452	(c) Public Lighting (Attendance repairs and renewals)	366	61	126	553	353	3. SERVICE CONNECTION FEES.	624	6	10	640
4. CONSUMER SERVICING (BILLING, ACCOUNTING, ETC.)											
G-456 M-14 C-87						G-107 M-114 C-25					
537	(a) Salaries & wages	598	23	52	673	246	4. PUBLIC LIGHTING MAINTENANCE.	55	124	20	199
G-906 M-187 C-399						G-4977 M-300 C-564					
1492	(b) Other Expenses	1,216	214	391	1,821	5,841	5. MISCELLANEOUS RECEIPTS	5,613	575	395	6,583

TABLE No. 7-1-3—contd.

1	2	3	4	5	6	7	8	9	10	11	12
	<b>5. GENERAL ESTABLISHMENT CHARGES.</b>										
G-3705 M-122 C-263	(a) Salaries and wages	4,351	174	327	4,852						
4,190											
G-3456 M-355 C-958	(b) Other expenses (including Provident Fund etc.)	4,163	362	903	5,428						
4769											
	<b>6. MANAGEMENT EXPENSES.</b>										
C-14	(a) Directors fee and expenses	..	..	9	9						
C-22	(b) Managing Agents Ordinary Remuneration and Office Allowances	..	..	24	24						
	<b>7. ADMINISTRATION</b>										
M-69	Members Remuneration and other expenses (L.A.)	..	69	..	69						

G-11269 M-336 C-912	8. DEPRECIATION	11,476	377	872	12,723					
12,517										
G-51650 M-4318 C-14562	Total Generating expenses .	60,758	5,191	15,992	81,941					
70,530										
G-14929 M-1254 C-2399	To Balance Carried Over to N.R. & A. Account.	14,986	1,065	2,156	18,207					
18,582										
G-66579 M-5572 C-16961	Total .	75,744	6,256	18,148	100,148	G-66579 M-5572 C-16961	75,744	6,256	18,148	100,148
89,112						89,112				

TABLE No. 7-1-4

(Figures in Rs. lakhs)

1972-73	Particulars	Govt. Depts./ Boards/ Power Corps.	Municipa- lities	Total	Compa- nies.	Total	Particulars	Govt. Depts./ Boards/ Power Corps.	Municipa- lities	Compa- nies.	Total
1	2	3	4	5	6	7	8	9	10	11	12
M-90	To appropriation (Applicable to local authority licence only.) (a) Interest on Loan Capital	..	99	..	99	G-14929 M-1254 C-2399 18582	By balance brought forward from Revenue Accounts	14,986	1,065	2,156	18,207
M-52	(b) Instalment of redemption of loan capital	..	..	23	..	G-300 M-32 C-70 402	By Interest on securities and investment.	411	29	63	503
M-242	(c) General Rates	..	244	..	244	M-(—)216	By deficit on incidental business (Trmways & omnibuses of Bombay municipality)	..	(—)351	..	(—) 351
C-579	To taxes on income and profits.	..	..	611	611			..		..	
G-83	To instalment of write down in respect of Intangible Assets	107	..	107	268	M-166	By balance of profit brought from previous year	..	105	..	105
C-130											
214											
M-16	To contribution towards Contingencies Reserve	..	26	81	107	G-10691 C.-	By balance carried over to General Balance sheet	15,610	124	..	15,734
C-66											
82						10,691					

G-263 M. C.45	To Development Reserve	440	..	72	512				
308 C.16	To appropriations to Tariff & Dividends control Reserve	..	..	7	7				
M-18 C-13	To appropriations to Consumers Rebate Reserve	..	29	6	35				
31		..							
C.16	To special appropriations permitted by State Government	..	..	21	21				
G-1662		..							
M-95 C-146	To Other Appropriation	1,869	77	330	2,276				
1,903									
	To appropriation towards Interest paid and accrued and Dividends paid and payable.								
C-261	(a) Interest on debentures	..	..	261	261				
G-13994									
M-457 C-151	(b) Interest on other Secured Loans	17,151	444	122	17,717				
14,602									
G-162 M-16 C-45 223	(c) Interest on consumers Security Deposits	177	21	42	240				
G-1091 M-60 C-194	(d) Interest on unsecured Loans advances, deposits, bank overdraft, etc.	436	9	223	668				
1345 C-70	(e) Dividends on Preference Share Capital	..	..	64	64				

TABLE No. 7-1-4—contd.

1	2	3	4	5	6	7	8	9	10	11	12
C-459	(f) Dividens on Ordinary Share Capital	..	..	164	164						
G-8665	To Balance of loss brought forward	10,827	..	42	10,869						
C-60											
8725											
M-189	To Balance carried over to General Balance Sheet	..	..	12	12						
C-218											
407											
G-25920						G-25920					
M-1236						M-1236					
C-2469						C-2,469					
29625	<b>TOTAL</b>	<b>31,007</b>	<b>972</b>	<b>2,21</b>	<b>34,198</b>	<b>29625</b>	<b>31,007</b>	<b>972</b>	<b>2,219</b>	<b>34,198</b>	



TABLE No. 7-1-5

## GENERAL BALANCE SHEET AS AT 31st March, 1974

1972-73	Particulars	Govt. Depts/ Boards/ Power Corps.	Municipalities	Companies	Total	1972-73	Particulars	Govt. Depts/ Boards/ Power Corps.	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
4,64,188	Fixed Capital raised and appropriated as per the Capital Account	4,95,242	13,339	23,717	5,22,298	4,19,742	Capital Expenditure on works as per the Capital Account	4,08,258	15,378	31,232	4,54,868
3,643	Capital Redemption Sinking Fund and other Reserves	2,163	1,490	206	3,859	83,080	Less: Accumulated provision for Depreciation	77,985	4,745	11,309	94,039
	<b>RESERVES AND SURPLUS:</b>					3,36,662	<b>NET BLOCK:</b>	3,30,273	10,633	19,923	3,60,829
18,376	Non-Statutory Reserve	15,364	1,273	3,677	20,314	343	Balance of written down Govt. of absolute and inadequate assets	301	3	34	338
74	Special appropriation (as permitted by State Govt.)	..	..	70	70	1,32,362	<b>CURRENT ASSETS</b>				
							Capital Works in progress	1,54,535	13,607	1,118	1,59,260
943	Contingencies Reserve Fund	260	190	676	1,126		Stores and Materials in hand:				
513	Tariff and Dividends Control Reserve	147	81	161	389	493	(a) Fuel, Coal and/or oil at cost	352	20	129	501
413	Consumers Rebate Reserve	1	254	152	407		(b) General Stores at a Below cost	20,326	1,807	1,709	23,842
2,254	Development Reserve	1,345	8	1,287	2,640	27,097	Sundry Debtors for Electricity supplied	17,725	1,990	3,057	22,772
407	Balance of Net Revenue And Appropriation Account	..	..	12	12	18,641	Other Debtors	38,943	1,231	1,259	41,433
	<b>CURRENT LIABILITIES AND PROVISIONS</b>					21,718					
23,946	Creditors on open account	28,634	905	3,250	32,789	28,159	Debtors Recievable	23,614	615	203	24,432

TABLE NO. 7-1-5—contd.

1	2	3	4	5	6	7	8	9	10	11	12
							Investment in Statuary Securities at cost.				
13,538	Consumers Security Deposit	13,344	1,316	1,370	16,030	853	(a) Contingencies Reserve Fund Investment (Market value on closing date)	..	5	648	53
49,104	Accounts Payable	42,990	4,117	2,593	49,700	7,519	(b) Other Investment (Market value on closing date)	6,023	2,108	256	8,387
879	Balance due on construction of plant and machinery	874	..	43	917						
							Special Deposits :				
22,201	Temporary accommodations Bank overdrafts and other finances	21,419	22	2,109	23,550	379	(a) In respect of taxation.	..	..	427	427
						3,180	(b) Other	2,832	79	25	2,936
							Balance at Bank :				
						3332	(a) Deposit Account	3,277	391	116	3,784
						7,459	(b) Current Account and at Call	5,979	336	361	6,676
						1,318	Cash in hand	1,809	46	54	1,909
							Debit Balances				
						183	Deferred payments	184	..	4	188
						10,691	Debit Balance of Net Revenue And Appropriation Accounts	15,610	124	..	15,734
600389	Total	6,21,783	22,995	29,323	6,74,101	6,00,389	Total	6,21,783	22,995	29,323	6,74,101

TABLE No. 7.1.6

Sl. No.	Category of Sale	kWh (Million)	Revenue realised in Rupees (lakhs)	Revenue realised per kWh sold (Paise)
1	2	3	4	5
1	Domestic Lights, Heating and Small Power . . . . .	4,798	12,475	26.00
2	Commercial Lights, Heating and Small Power . . . . .	2,794	7,598	27.19
3	Industrial Low, Medium & High voltage . . . . .	33,381	38,338	11.48
4	Public Lighting . . . . .	545	1,360	24.95
5	Traction . . . . .	1,442	1,845	12.79
6	Agricultural . . . . .	6,273	10,061	16.04
7	Public Water Works Sewage Pumping and . . . . .	1,013	1,317	13.00
	TOTAL . . . . .	50,246	72,994	14.53
8	Miscellaneous . . . . .	..	9,298	..
9	All purposes . . . . .	50,246	82,283	16.38

TABLE No. 7.1.7

Sl. No	Particulars	Units	1972	1973	1974
1	2	3	4	5	6
1	Installed Plant Capacity . . . . .	kW	13,398,570	15,571,705	15,832,715
2	Average cost per KW installed : . . . . .	Rs.	2,670	2,696	2,873
	Generation . . . . .		1,029	1,110	1,147
	Transmission . . . . .		464	457	474
	Distribution . . . . .		1,020	1,000	1,111
	Miscellaneous . . . . .		157	129	141
3	Number of consumers . . . . .	No.	16,173,068	17,710,396	19,131,215
4	Average Capital Outlay per consumer	Rs.	2,212	2,370	2,378
5	Maximum Demand . . . . .	kW	11,509,330	13,452,430	13,829,180
6	Average Capital Outlay on Transmission, Distribution, Miscellaneous per KW of maximum demand . . . . .	Rs.	1,892	1,818	1,957

NOTE :—The installed plant capacity, maximum demand and the number of consumers have been shown only in respect of those undertakings whose financial data have been compiled.

TABLE No. 7-1-8

*Consolidated capital outlay by ownership for the years 1969-70 to 1973-74.*

Particulars	1970		1971		1972		1973		1974	
	Outlay (Rs. lakhs)	Percent- age of total	Outlay (Rs.) lakhs)	Percent- age of total	Outlay (Rs. lakhs)	Percent- age of total	Outlay (Rs. lakhs)	Percent- age of total	Outlay (Rs. lakhs)	Percent- age of total
Public Sector . . . . .	256,500	90	235,720	90	326,808	91	387,608	92	423,636	93
Private Sector . . . . .	28,745	10	29,698	10	31,002	9	32,134	8	31,232	7
<b>TOTAL</b> . . . . .	<b>285,245</b>	<b>100</b>	<b>315,418</b>	<b>100</b>	<b>357,810</b>	<b>100</b>	<b>419,742</b>	<b>100</b>	<b>454,868</b>	<b>100</b>

TABLE No. No. 7-1-9

*Consolidated capital outlay of electricity supply undertakings for the years 1969-70 to 1973-74.*

Particulars	Units	1970	1971	1972	1973	1974
On-Electrical Works	Rs. lakhs	283,067	313,291	355,734	417,390	452,180
Non-Electrical Works like Tramways and Omnibus . . . . .	Rs. lakhs	2,178	2,127	2,076	2,352	2,688
<b>TOTAL</b> . . . . .		<b>285,245</b>	<b>315,418</b>	<b>357,810</b>	<b>419,742</b>	<b>454,868</b>

---

SECTION 8  
ELECTRICITY TARIFF  
AVERAGE RATES & DUTIES OF ELECTRICITY IN INDIA

---

TABLE No. 8.1  
Domestic Lights and Fees (30 kwh/month)

(Average Rate in P/kWh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty/ Tax	Total
1	2	3	4	5	6
<i>A. State Electricity Boards</i>					
1	Andhra Pradesh .. .. .	1.6.1974	39.00	..	39.00
2	Assam .. .. .	1.1.1975	40.00	3.00	43.00
3	Bihar .. .. .	16.4.1974	40.00	7.00	47.00
4	Gujarat .. .. .	1.3.1974	30.10	10.00	40.00
5	Haryana .. .. .	1.9.1974	24.50	10.25	34.75
6	Himachal Pradesh :				
	(a) Urban .. .. .	1.3.1974	32.50	..	32.50
	(b) Rural .. .. .	1.3.1974	20.00	..	20.00
7	Jammu & Kashmir .. .. .	1.4.1968	25.00	2.75	27.75
8	Karnataka .. .. .	20.5.1974	33.33	4.50	37.83
9	Kerala .. .. .	1.7.1974	38.34	2.50	40.84
10	Madhya Pradesh .. .. .	1.8.1974	28.67	6.50	35.17
11	Maharashtra .. .. .	1.7.1974	31.00	5.00	36.00
12	Orissa .. .. .	1.1.1975	28.00	4.65	32.65
13	Punjab .. .. .	1.5.1974	24.00	10.25	34.25
14	Rajasthan .. .. .	1.7.1974	38.00	5.00	43.00
15	Tamil Nadu .. .. .	9.10.1974	35.00	..	35.00
16	Uttar Pradesh :				
	(a) Lucknow, Allahabad, Kanpur and Agra City ..	12.10.1974	30.00	6.00	36.00
	(b) Rest .. .. .	12.10.1974	40.00	2.00	42.00
17	West Bengal .. .. .	30.11.1974	40.00	3.00	43.00
<i>B. Union Territories/State Government Electricity Departments</i>					
1	Andaman & Nicobar Islands .. .. .	1.6.1974	55.00	..	55.00
2	Arunachal Pradesh .. .. .	N.A.	37.00	..	37.00
3	Chandigarh .. .. .	2.5.1967	21.88	10.25	32.13
4	Dadra & Nagar Haveli :				
	1st Alternative .. .. .	1.1.1974	35.00	..	35.00
	2nd Alternative .. .. .	1.1.1974	66.66	..	66.66 *
5	Delhi .. .. .	1.4.1970	18.00	2.00	20.00**
6	Goa, Daman & Diu .. .. .	1.1.1975	30.00	..	30.00
7	Lakshadweep .. .. .	13.9.1962	60.00	..	60.00
8	Manipur .. .. .	15.1.1975	45.00	..	45.00
9	Nagaland .. .. .	1.4.1968	45.00	..	45.00
10	Pondicherry .. .. .	1.8.1974	33.00	..	33.00
11	Tripura :				
	(a) Agartala .. .. .	16.9.1967	44.00	..	44.00
	(b) Rest .. .. .	16.9.1967	50.00	..	50.00
<i>C. Important Places Served by Licensees</i>					
1	Ahmedabad .. .. .	2.6.1974	22.37	10.00	32.37
2	Bombay :				
	(a) B.E.S.T. .. .. .	4.2.1974	15.66	6.00	21.66
	(b) Bombay Suburban .. .. .	26.1.1974	14.33	6.00	20.33
	(c) Tatas .. .. .	No	Low	Tension	Tariffs
3	Calcutta .. .. .	29.11.1973	16.75	3.00	19.75
<i>D. Damodar Valley Corporation</i>					
	(a) Bihar area .. .. .	No	Low	Tension	Tariffs
	(b) West Bengal area .. .. .	No	Low	Tension	Tariffs

\*Minimum charge/month is Rs. 20.00.

\*\*A surcharge of 5% is levied for D.C. supply.

TABLE No. 8.2  
Commercial Lights and Fans (200 kwh/month)

(Average Rate in P/kWh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty Tax	Total
1	2	3	4	5	6
<i>A. State Electricity Boards</i>					
1	Andhra Pradesh	1.6.1974	58.00	..	58.00
2	Assam	1.1.1975	45.00	3.00	48.00
3	Bihar	16.4.1974	18.75	7.00	55.75
4	Gujarat	1.3.1974	30.07	10.00	40.07
5	Haryana	1.9.1974	46.00	12.95	58.95
6	Himachal Pradesh	1.3.1974	29.75	..	29.75
7	Jammu & Kashmir	1.4.1968	35.00	4.83	39.83
8	Karnataka	20.5.1974	50.00	4.50	54.50
9	Kerala	1.1.1970	38.00	3.80	41.80
10	Madhya Pradesh	1.3.1974	37.00	10.50	47.05
11	Maharashtra	1.7.1974	35.00	15.00	50.00
12	Orissa	1.1.1975	28.50	4.73	33.23
13	Punjab	1.5.1974	43.00	12.40	55.40
14	Rajasthan	1.7.1974	50.00	..	50.00
15	Tamil Nadu <sup>②</sup>	20.1.1975	67.50	..	67.50
16	Uttar Pradesh <sup>@@</sup>	12.10.1974	50.00	..	50.00
17	West Bengal	30.11.1974	40.00	3.00	43.00
<i>B. Union Territories/State Government Electricity Department</i>					
1	Andaman & Nicobar Islands	1.6.1974	48.75	..	48.75
2	Arunachal Pradesh	N.A.	37.00	..	37.00
3	Chandigarh	2.5.1967	13.44	12.40	25.84
4	Dadra & Nagar Haveli :	1.1.1974	27.25	..	27.25
	1st alternative 2nd alternative	1.1.1974	26.00	..	26.00
5	Delhi	1.4.1970	22.00	2.00	24.00*
6	Goa, Daman & Diu	1.1.1975	40.00	..	40.00
7	Lakshadweep	13.9.1962	60.00	..	60.00
8	Manipur	..	..	..	..
9	Nagaland	1.4.1968	45.00	..	45.00
10	Pondichery	1.8.1974	45.00	..	45.00
11	Tripura :	..	..	..	..
	(a) Agartala	16.9.1967	44.00	..	44.00
	(b) Rest	16.9.1967	50.00	..	50.00
<i>C. Important Place Served by Licenses</i>					
1	Ahmedabad	2.6.1974	33.84	10.00	43.84
2	Bombay :	..	..	..	..
	(a) B.E.S.T.	4.2.1974	32.00	20.00	52.00
	(b) Bombay Suburban	26.1.1974	33.00	20.00	53.00
3	Calcutta	29.11.1973	20.42	3.00	23.42
4	Tatas	No	Low	Tension	Tariffs
<i>D. Damodar Valley Corporation</i>					
	(a) Bihar area	No	Low	Tension	Tariffs
	(b) West Bengal area	No	Low	Tension	Tariffs

<sup>②</sup>An additional levy of 2P/kWh will be charged from the consumers of the metropolitan area of Madras City.

<sup>@@</sup>Contracted/connected load shall exceed 2 kW otherwise domestic lights & fans rates will be applicable.

\*A surcharge of 5% is levied for D.C. Supply.

TABLE NO. 8.3

*Agriculture at 10 H.P., 15% L.F. (817 kWh/month)*

(Average Rate in P/kWh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty/Tax	Total
1	2	3	4	5	6
<i>A. State Electricity Boards</i>					
1	Andhra Pradesh .. .. .	1-6-1974	16-00	..	16-00
2	Assam .. .. .	1-1-1975	14-00	..	14-00
3	Bihar .. .. .	16-4-1974	16-73	2-00	18-73
4	Gujarat .. .. .	1-7-1974	18-12	1-20	19-32
5	Haryana .. .. .	1-9-1974	20-84	..	20-84
6	Himachal Pradesh .. .. .	1-3-1974	9-00	..	9-00
7	Jammu & Kashmir .. .. .	1-4-1968	10-00	1-50	11-50
8	Karnaaka .. .. .	20-5-1974	16-22	1-00	17-22
9	Kerala .. .. .	1-1-1970	9-00	0-90	9-90
10	Madhya Pradesh .. .. .	1-8-1974	16-00	..	16-00
11	Maharashtra .. .. .	1-7-1974	20-00*	..	20-00
12	Orissa .. .. .	1-1-1975	15-00*	2-50	17-50
13	Punjab .. .. .	1-5-1974	15-30	..	15-30
14	Rajasthan .. .. .	1-7-1974	21-00	..	21-00
15	Tamil Nadu .. .. .	9-10-1974	12-00	..	12-00
16	Uttar Pradesh .. .. .	1-12-1974	18-48	..	18-48
17	West Bengal .. .. .	30-11-1974	22-00	6-00	28-00
<i>B. Union Territories/State Government Electricity Departments.</i>					
1	Andaman & Nicobar Island .. .. .	..	..	..	..
2	Arunachal Pradesh .. .. .	..	..	..	..
3	Chandigarh .. .. .	1-7-1968	9-79	..	9-79
4	Dadra & Nagar Haveli .. .. .	1-1-1974	15-68	..	15-68
5	Delhi .. .. .	1-4-1970	15-00	1-00	16-00
6	Goa, Daman & Diu .. .. .	1-1-1965	14-00	..	14-00
7	Lakshadweep .. .. .	..	..	..	..
8	Manipur .. .. .	..	..	..	..
9	Nagaland .. .. .	5-5-1970	12-00	..	12-00
10	Pondicherry .. .. .	1-8-1974	11-00	..	11-00
11	Tripura .. .. .	16-9-1967	19-00	..	19-00
<i>C. Important Places served by Licensees</i>					
1	Ahmedabad .. .. .	2-6-1974	14-76	1-20	15-96
2	Bombay :				
	(a) B.E.S.T. .. .. .	..	..	..	..
	(b) Bombay Suburban .. .. .	..	..	..	..
	(c) Tatas .. .. .	No	Low	Tension	Tariffs
3	Calcutta .. .. .	..	..	..	..
<i>D. Damodar Valley Corporation</i>					
	(a) Bihar area .. .. .	No	Low	Tension	Tariffs
	(b) West Bengal area .. .. .	No	Low	Tension	Tariffs

\*Rates are exclusive of fuel surcharge



TABLE No. 8.4  
Small Industry 10 kW, 20% L.F. (1460/kWh month)

Average Rate (in P/kWh)					
St. No.	Supplier	Tariff in force from	Rate	Duty/Tax	Total
1	2	3	4	5	6
<b>A. State Electricity Board</b>					
1	Andhra Pradesh	1-6-1974	24.68	..	24.68
2	Assam	1-6-1975	17.00	1.00	18.00
3	Bihar	16-4-1974	20.00	1.00	21.00
4	Gujarat	1-3-1974	19.76	1.60	21.36
5	Haryana	1-9-1974	19.20	2.88	22.08
6	Himachal Pradesh	1-3-1974	12.34	..	12.34
7	Jammu & Kashmir				
	(a) Jammu	1-4-1968	9.67	1.45	11.12
	(b) Kashmir	1-4-1968	7.67	1.15	8.82
8	Karnataka	20-5-1974	15.69	4.50	20.19
9	Kerala	1-1-1974	15.00	1.50	16.50
10	Madhya Pradesh	1-8-1974	19.00	1.50	20.50
11	Maharashtra	1-7-1974	20.00*	1.00	21.00
12	Orissa	1-1-1975	18.00*	3.27	21.27
13	Punjab	1-5-1974	15.36	3.07	18.43
14	Rajasthan	1-7-1974	21.00	1.00	22.00
15	Tamil Nadu (a)	20-1-1975	30.00	..	30.00
16	Uttar Pradesh	12-10-1974	23.00	1.00	24.00
17	West Bengal	30-11-1974	22.00	0.33	22.33
<b>B. Union Territories/State Government Electricity Departments</b>					
1	Andaman & Nicobar Islands	1-6-1974	40.00	..	40.00
2	Arunachal Pradesh	..	..	..	..
3	Chandigarh	2-5-1967	10.67	2.13	12.80
4	Dadra & Nagar Haveli	1-1-1974	20.68	..	20.68
5	Delhi	1-4-1970	15.00	1.00	16.00@
6	Goa, Daman & Diu	1-1-1975	14.00	..	14.00
7	Lakshadweep	13-9-1962	40.00	..	40.00
8	Manipur	1-7-1964	25.00	..	25.00
9	Nagaland	1-4-1968	20.00	..	20.00
10	Pondicherry	1-8-1974	18.00	..	18.00
11	Tripura				
	(a) Agartala	16-9-1967	19.00	..	19.00
	(b) Rest	16-9-1967	31.00	..	31.00
<b>C. Important Places Served by Licensees</b>					
1	Ahmedabad	2-6-1974	17.23	1.60	18.83
2	Bombay				
	(a) B.E.S.T.	4-2-1974	21.00	1.00	22.00
	(b) Bombay Sub-Urban	26-1-1974	21.25*	1.00	22.25
	(c) Tatas	No	Lo	Tension Tariffs	Tariffs
3	Calcutta	29-11-1973	16.80*	0.33	17.13
<b>D. Damodar Valley Corporation</b>					
	(a) Bihar area	No	Low	Tension	Tariffs
	(b) West Bengal area	No	Low	Tension	Tariffs

@@ An additional levy of 2P kWh will be charged from the consumers of the metropolitan area of Madras City.  
 @ A surcharge of 5% is levied for D.C. Supply.  
 \*Rates are exclusive of Fuel Surcharge.

TABLE 8-5  
Large Industry (11), 1000kW, 50<sup>0</sup> L.F. 365,000 kWh/month

(Average Rate in P/kWh)

Serial No.	Supplier	Tariff in force from	Rate	Duty/Tax	Serial Total
1	2	3	4	5	
<i>A. State Electricity Boards.</i>					
1	Andhra Pradesh				
2	Assam	1-6-1974	18.80		18.80
3	Bihar	1-1-1975	16.05*	0.08	16.13
4	Gujarat	16-4-1974	15.61*	2.00	17.61
5	Haryana	1-3-1974	14.45*	1.60	16.05
6	Himachal Pradesh	1-9-1974	12.27	3.68	15.95
7	Jammu & Kashmir	1-3-1974	8.80		8.80
	(a) Jammu				
	(b) Kashmir	1-4-1968	5.29	0.79	6.08
8	Karnataka	1-4-1968	3.79	0.57	4.36
9	Kerala	20-5-1974	9.22	2.25	11.47
10	Madhya Pradesh	1-1-1970	9.54	1.91	11.45
11	Maharashtra	1-8-1974	13.16*	1.60	14.66
12	Orissa	1-7-1974	12.86*	1.60	13.86
13	Punjab	1-1-1975	14.50*	4.82	19.32
14	Rajasthan	1-5-1974	9.53	2.38	11.91
15	Tamil Nadu <sup>②</sup>	1-7-1974	18.00*	1.00	19.00
16	Uttar Pradesh	20-1-1975	25.25	2.77	28.02
17	West Bengal	12-10-1974	15.96*	1.00	61.96
		30-11-1974	14.43*	1.50	15.93
<i>B. Union Electricities/State Government Electricity Departments.</i>					
1	Andaman & Nicobar Islands	No	High	Tension	Tariffs
2	Arunachal Pradesh	No	High	Tension	Tariffs
3	Chandigarh	2-5-1967	6.59	1.65	8.24
4	Dadra & Nagar Haveli	1-1-1974	15.33		15.33
5	Delhi	1-4-1970	11.76*	1.00	12.76
6	Goa, Daman & Diu	1-1-1975	13.51		13.51
7	Lakshadweep	No	High	Tension	Tariffs
8	Manipur	No	High	Tension	Tariffs
9	Nagaland	1-4-1968	13.69		13.69
10	Pondicherry	1-8-1974	14.58		14.58
11	Tripura				
	(a) Agartala	No	High	Tension	Tariffs
	(b) Rest	No	High	Tension	Tariffs
<i>C. Important Places Served by Licensees</i>					
1	Ahmedabad	2-6-1974	13.02*	1.60	14.62
2	Bombay				
	(a) B.E.S.T.	4-2-1974	13.90*	1.00	14.90
	(b) Bombay Sub-Urban	26-1-1974	14.36*	1.00	15.36
	(c) Tatas	26-1-1974	13.57*	1.00	14.57
3	Calcutta	29-11-1973	10.69*	1.50	12.19
<i>D. Damodar Valley Corporation</i>					
	(a) Bihar area	1-12-1974	15.90*	1.00	16.90
	(b) West Bengal area	1-12-1974	15.90*	1.50	17.40

<sup>②</sup> An additional levy of 2P/kWh will be charged from the consumers of the metropolitan area of Madras City.

\*Rates are exclusive of fuel surcharge.

TABLE NO. 8·6

*Rate of Fuel Surcharge in P/kWh levied on different Categories Consumers by State Electricity Boards/Licensees while working out the average Rates for Electricity Supply.*

Supplier	Rate P/kWh
Bihar . . . . .	4·876 All H.T. & L.T. (Industrial)
Gujarat . . . . .	5·50 (from September, 74 onward)
Madhya Pradesh . . . . .	2·68 (1974-75)
Maharashtra . . . . .	
Orissa . . . . .	
Rajasthan . . . . .	0·40 (Provisional from 1-4-1974).
Uttar Pradesh . . . . .	3·342 from 1-4-1974.
West Bengal . . . . .	5·704 (April to November, 1974). 6·516 (December 74 to March, 1975).
Dadra & Nagar Haveli . . . . .	5·50 (from September, 1974 onward).
Delhi . . . . .	2·38 (1974-75).
Ahmedabad Electric Supply Company . . . . .	9·0868 for L.T. April, 1974. 8·5085 for H.T. April, 1974.
Bombay (a) BEST . . . . .	2·37 (April, 1974)
(b) Sub-urban . . . . .	3·135 L.T. April, 1974. 2·964 H.T. April, 1974.
Calcutta Electric Supply Corporation . . . . .	6·207 (1974-75).
Damodar Valley Corporation . . . . .	3·72 (1974-75).
Tata Hydro Electric Agencies . . . . .	2·85 (April, 1974).

---

**TECHNICAL STATISTICS**  
**SECTION 9**  
**PROGRESS OF ELECTRICITY SUPPLY—UTILITIES STATEWISE**

---

TABLE No. 9.1.1.

## Progress of Electricity Supply—ANDHRA PRADESH

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8
<i>Installed Capacity (MW)</i>							
Hydro . . . . .	..	66.000	166.150	152.92	272.93	267.93	267.93
Steam . . . . .	46.000	46.000	83.500	113.50	326.00	382.50	602.50
Diesel . . . . .	13.164	19.876	20.188	12.13	6.14	..	..
Gas Turbine . . . . .	..	..	..	20.00	20.00	20.00	20.00
Total . . . . .	59.164	131.876	269.838	298.55	625.07	670.43	890.43

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
1	2	3	4	5	6	7	8
<i>Energy Generation (Gross)</i> <i>(Million kWh)</i>							
Hydro . . . . .	..	169.364	748.743	764.61	1,127.61	1,093.98	780.00
Steam . . . . .	89.612	60.177	145.836	510.38	1,217.75	2,192.06	2,708.03
Gas Turbine . . . . .	..	..	..	38.41	0.36	4.04	1.12
Diesel . . . . .	14.328	9.661	5.450	6.77	0.12	..	..
Total . . . . .	103.940	230.202	900.029	1,320.17	2,345.84	3,290.08	3,489.15
<i>Purchase from non-utilities</i> <i>Used by power station auxiliaries</i>	N.A.	N.A.	..	2.21	..	..	0.78
	..	..	23.237	43.77	105.36	177.65	244.28
<i>Sale (within the State)</i>							
Domestic light & small power.	20.946	32.67	0.82	85.75	125.84	211.02	238.94
Commercial light & small power	18.657	38.81	30.32	172.90	193.81	243.34	251.79
Industrial power . . . . .	44.297	88.64	393.33	574.37	903.86	1,336.82	1,307.67
Public lighting . . . . .	5.873	0.03	14.87	20.35	26.53	29.07	28.70
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	4.905	10.46	54.83	172.66	337.16	587.89	674.21
Public Water Works & Sewage Pumping	3.493	6.41	7.40	22.31	48.35	52.00	54.10
Miscellaneous . . . . .	..	..	..	..	2.80	12.50	13.60
Total . . . . .	98.171	177.02	501.57	1,048.34	1,638.35	2,472.64	2,569.01

NOTE—Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking installed capacity and generation of jointly owned projects according to the share of participating states instead of the previous practice of taking the total values against the State having major share.

	31-12-51	31-3-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers . . . . .	N.A.	N.A.	278,943	524,778	828,186	1,433,745	1,500,114
Total No. of Villages electrified.	119	517	2,433	4,099	5,535	10,262	10,262
Total length of Transmission lines (11 KV & above) Circuit Kiloms.	N.A.	N.A.	18,162	27,551	36,041	58,268	59,300
Total length of distribution Kms.	N.A.	N.A.	700	23,525	33,892	67,238	69,478
No. of pump sets . . . . .	N.A.	N.A.	17,968	57,225	123,167	261,989	284,614
Transmission and distribution losses (%) for the year	N.A.	N.A.	N.A.	24.71	26.52	25.42	26.15

@@—As per 1971 Census.

TABLE NO 9.1.2.  
Progress of Electricity Supply—ASSAM

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74	31-3-75
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	0.55	0.55	9.27	45.94	48.71	66.71	66.71
Steam . . . . .	0.20	0.62	..	..	..	35.00	35.00
Diesel . . . . .	2.59	4.11	10.16	32.10	27.99	26.24	26.24
Gas Turbine . . . . .	..	..	..	81.50	81.50	69.00	69.00
<b>Total</b>	<b>3.34</b>	<b>52.8</b>	<b>19.43</b>	<b>159.54</b>	<b>158.20</b>	<b>196.95</b>	<b>196.95</b>

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-68 6	1973-74 7	1974-75 8
<b>Energy Generation (Million kWh) (Gross)</b>							
Hydro . . . . .	2.130	2.90	20.88	56.39	108.32	198.49	222.39
Steam . . . . .	0.001	..	..	..	..	45.08	35.56
Diesel . . . . .	4.469	8.37	15.34	26.65	18.85	12.66	12.56
Gas Turbine . . . . .	2.130	..	..	14.86	121.87	207.29	299.15
<b>Total</b>	<b>8.730</b>	<b>11.27</b>	<b>36.22</b>	<b>97.90</b>	<b>249.04</b>	<b>523.52</b>	<b>569.66</b>
Used by power station auxiliaries.	..	..	1.27	4.92	6.17	12.84	12.27
Energy Purchased from non-utilities.	..	..	..	..	..	..	..
<b>Sales (within the State)</b>							
Domestic light & small power	2.08	3.33	9.90	23.59	29.36	43.55	50.80
Commercial light & small power	2.06	3.69	4.21	19.33	49.92	78.43	28.83
Industrial Power	0.77	1.38	11.83	23.59	99.19	184.92	192.47
Public Lighting.	0.61	0.74	2.70	3.65	3.89	4.48	4.74
Railways/Tramways	..	..	..	..	..	..	22.04
Agricultural	..	..	..	0.11	0.40	2.00	5.00
Public Water Works & Sewage Pumping.	0.07	0.14	0.46	0.76	4.06	6.50	5.99
Miscellaneous	..	..	..	..	3.51	60.37A	114.39A
<b>Total</b>	<b>5.59</b>	<b>9.28</b>	<b>29.10</b>	<b>71.03</b>	<b>190.33</b>	<b>380.25</b>	<b>424.26</b>

'A'—Including Tea Gardens consumption of 68.19 M.U. & consumption by A.I.R., Airport, Defence, University etc.

Years	31-12-1951	31-12-56	31-3-69	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of Consumers	7,428	9,971	18,834	41,032	48,582	1,04,772	1,19,606
Total No. of Villages electrified.	..	..	13	66	331	1,146@@	15,44@@
Total length of transmission lines (11 KV & above)	..	..	123	2,247	2,557	9,198	9,823
Circuit Kilometre total length of distribution lines (below 11 KV) Circuit Kilo metres	12	23	35	1,521	1,354	4,549	5,002
No. of pump sets	Nil	Nil	Nil	Nil	55	705	867
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	23.61	20.54	19.43	18.81

@@—As per 1977 census.

@—Includes Meghalaya.

TABLE No. 9.1.3  
Progress of Electricity Supply—BIHAR

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (MW)</i>							
Hydro	..	4.00	44.00	44.00	..	15.00	15.00
Steam	39.51	185.05	288.52	608.77	222.77	572.77	572.77
Diesel	7.49	15.40	18.37	19.52	16.41	16.52	16.36
Total	47.00	204.45	350.89	672.29	239.18	604.29	604.13

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation @ (MkWh)</i>							
Hydr	..	2.15	143.66	124.51	..	4.59	6.31
Steam	118.87	580.17	409.55	3,079.56	609.29	1,980.11	21,44.64
Diesel	13.16	20.96	44.62	22.80	18.04	5.62	2.45
Total	132.03	603.23	1,596.83	3,226.87	627.33	190.32	2,163.40
Purchased from Non-utilities.	N.A.	N.A.	28.29	..	4.01	47.02	7.72
Used by power station auxiliaries@	N.A.	N.A.	98.62	300.68	77.39	229.28	253.77

Year (1)	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Sales (within the State)*</i>							
Domestic Light & small power	14.82	27.14	44.31	61.09	78.92	110.55	113.52
Commercial Light & small power	6.06	13.40	29.83	69.35	88.94	117.13	106.09
Industrial power	87.85	298.54	776.40	397.25	1,087.72	2,006.00	2,188.55
Public Lighting	1.09	1.94	3.65	4.80	5.04	6.45	5.89
Agricultural	4.60	4.27	18.26	29.33	67.88	73.81	75.13
Railways/Tramways Public Water Works & Sewage pumping	4.17	8.13	4.53	34.09	244.14	322.87	340.00
Miscellaneous	..	..	..	..	31.38	42.05	40.93
Total	118.59	353.42	889.22	932.55	1,584.02	2,687.26	2,881.17

Note—@—Data included DVC (Bihar portion) upto 1965-66. From the year 1968-69 onwards DVC have been excluded and shown separately.

\*—Sales to ultimate consumers by DVC in Bihar included.

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	22,199	72,599	157,264	311,145	457,377	622,558	653,856@@
Total No. of Villages electrified.		300	3,205	3,744	6,350	9,775	13,375*
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	596	7,951	15,885	19,983	26,058	38,784	42,843
Total length of distribution lines (below 11 KV) Circuit Kilomrs.	230	379	327	12,858	24,764	37,500	40,601
No. of pumpsets	47	697	3,200	10,600	50,005	96,922	104,034
Transmission Distribution losses (%) for the year	N.A.	N.A.	N.A.	11.56	17.89	24.00	23.40

\*—Provisional.

@@—As per 1971 census.

TABLE No. 9.1.4  
Progress of Electricity Supply—BIHAR

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-68	31-3-74	31-3-76
(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
<i>Installed Capacity (MW)</i>							
Hydro	..	..	..	..	..	..	225.00
Steam	108.93	183.60	280.90	609.60	619.60	983.00	882.00
Diesel	42.95	40.61	52.37	41.02	41.94	16.60	11.83
Gas	..	..	..	..	..	54.00	5.00
<b>TOTAL</b>	<b>411.88</b>	<b>224.21</b>	<b>333.27</b>	<b>650.62</b>	<b>661.54</b>	<b>953.60</b>	<b>1,172.83</b>

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
1	2	3	4	5	6	7	8
<i>Energy Generation (M.kWh)</i>							
Hydro	..	..	..	..	..	..	450.00
Steam	316.41	739.37	1,209.14	2,155.48	3,255.42	4,610.73	4,945.03
Diesel	57.24	51.58	62.08	51.90	25.10	3.07	0.62
Gas	..	..	..	..	..	63.83	134.83
<b>TOTAL</b>	<b>373.65</b>	<b>790.95</b>	<b>1,271.22</b>	<b>2,207.38</b>	<b>3,280.52</b>	<b>4,677.63</b>	<b>5,530.48</b>
Purchased from non-utilities	..	..	..	0.87	73.31	60.94	102.29
Used by power station auxiliaries	..	..	82.62	177.76	240.97	347.56	408.41
<i>Sales within the State</i>							
Domestic light & small power	30.90	46.73	71.57	141.54	194.07	317.33	372.53
Commercial light & small power	12.33	14.94	31.66	48.98	76.54	146.32	163.51
Industrial Power	266.69	590.40	805.96	1,421.15	1,957.42	2,779.15	3,055.29
Public lighting Rail ways/ Lighting	5.89	8.98	15.27	28.90	28.90	46.38	46.94
Agricultural	1.33	6.06	19.61	100.53	334.75	627.87	1,008.66
Public Water Works & Sewage Pumping	12.08	26.75	39.56	62.04	75.70	110.90	127.07
Miscellaneous	..	..	..	..	12.33	17.41	18.67
<b>TOTAL</b>	<b>329.22</b>	<b>693.86</b>	<b>983.63</b>	<b>1,796.47</b>	<b>2,679.70</b>	<b>4,045.36</b>	<b>4,792.67</b>

NOTE—50% of Tarapore Nuclear Power Station installed capacity and generation till now shown in Maharashtra is included in "Central Govt. Undertakings" table from the year 1973-74.

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	N.A.	N.A.	412,866	825,383	980,664	17,85,363	19,70,284
Total No. of village electrified	37	130	678	1,671	2,869	5,638@@	6,026@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	N.A.	N.A.	6,051	16,282	26,904	44,204	48,402
Total length of distribution lines (below 11 KV) Fr-circuit Kilomrs	N.A.	N.A.	565	12,576	19,233	39,137	43,622
No. of pumpsets	910	2,825	6,963	14,155	42,085	102,684	1,13,723
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	11.51	16.64	20.99	18.48

@@—As per 1971 census.



TABLE NO. 9-1-5  
Progress of Electricity Supply - Haryana\*\*

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	..	..	245.69	408.47	408.47	408.47
Steam . . . . .	1.30	6.75	6.30	28.10	90.60	90.60	144.30
Diesel . . . . .	6.99	7.52	4.31	6.32	5.34	4.99	4.19
<b>TOTAL</b> . . . . .	<b>8.29</b>	<b>14.27</b>	<b>10.61</b>	<b>280.11</b>	<b>504.41</b>	<b>504.06</b>	<b>556.96</b>
<b>Energy (Million Kwh)</b>							
<b>Generation</b>							
Hydro . . . . .	..	..	..	1083.26	1472.82	1970.60	1330.55
Steam . . . . .	2.88	6.77	6.66	14.15	200.52	449.44	507.99
Diesel . . . . .	6.87	4.05	0.86	3.68	0.30	0.49	0.67
<b>TOTAL</b> . . . . .	<b>9.75</b>	<b>10.82</b>	<b>7.52</b>	<b>1101.09</b>	<b>1673.64</b>	<b>2420.53</b>	<b>1839.21</b>
<b>Used by Power station auxiliaries</b>							
Purchased from non-utilities	..	..	..	1.34	24.00	42.52	47.90
<b>Sales within the State</b>							
Domestic light and Commercial light & small power	..	..	..	..	42.30	87.81	91.57
Industrial power	..	..	..	..	35.00	76.81	70.17
Public lighting	..	..	..	..	404.58	697.71	520.42
Railways/Tramways	..	..	..	..	3.41	4.98	5.01
Agricultural	..	..	..	..	..	..	..
Public Water Works and Sewage Pumping	..	..	..	..	169.32£	528.51£	527.55
Miscellaneous	..	..	..	..	..	..	18.00
<b>TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>655.42</b>	<b>1401.33</b>	<b>1239.01</b>

NOTE—1. Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking the installed capacity and generation of jointly owned projects according to the share of participating States instead of the previous practice of taking the total values against the State having major share.

£Includes figures of Public Water Works and Sewage Pumping also.

\*\*It has not yet been possible to work out figures of installed capacity, generation purchase and station auxiliaries prior to 1965-66 for the area under Haryana, due to want of data. Similarly the figures for sales and per capita consumption in Haryana are not available prior to 1967-68.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	@	@	@	@	411797	717767	754215
Total No. of villages electrified	..	99	570	1179	1464	6669	6731 @@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	@	@	@	@	13365	33445	34219
Total length of distribution lines (below 11 KV) Circuit Kilomrs.	@	@	@	@	17608	44764	46991
No. of Pump sets	N.A.	743	3526	15220	45385	127947	134953
Transmission & distribution losses (%) for the year	@	@	@	@	30.90	29.22	24.32

@Included in Punjab.

@@As per 1971 Census.

TABLE No. 9-1-6

## Progress of Electricity Supply Himachal Pradesh\*

Year 1	31-12-1961 2	31-12-1966 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	..	..	..	2.85	48.97	49.07
Diesel . . . . .	..	..	..	..	2.15	2.45	2.66
<b>TOTAL</b>	..	..	..	..	5.00	51.42	52.63
<b>Energy Generation (M. Kwh)</b>							
Hydro . . . . .	..	..	..	..	15.53	173.11	169.19
Diesel . . . . .	..	..	..	..	0.07	0.10	0.18
<b>TOTAL</b>	..	..	..	..	15.60	173.21	169.37
Purchased from non-utilities	..	..	..	..	..	..	..
Used by Power station auxiliaries	..	..	..	..	0.70	0.93	0.77
<b>Sale (within the State)</b>							
Domestic light and small power	..	..	..	..	18.63	38.57	34.07
Commercial light and small power	..	..	..	..	15.72	20.44	20.12
Industrial Power	..	..	..	..	17.02	39.88	40.45
Public lighting	..	..	..	..	1.24	1.66	1.37
Railways/Tramways	..	..	..	..	..	..	..
Agricultural	..	..	..	..	..	..	..
Public Water Works and Sewage pumping	..	..	..	..	13.61	1.40	2.08
Miscellaneous	..	..	..	..	..	12.32	7.65
<b>TOTAL</b>	..	..	..	..	0.28	95.23£	103.50£
<b>TOTAL</b>	..	..	..	..	66.50	200.50	209.24

\*—Figures for the year prior to 1968-69 for Himachal Pradesh (after re-organisation of Punjab) are not given due to inadequate data.

£—Includes supply to Power Projects in Himachal Pradesh.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	N.A.	N.A.	N.A.	28207	46052	258353	280999
Total No. of villages electrified	9	93	670	1438	2191	4500@@	6276@@
Total length of Transmission lines (11 KV & above) Circuit Kiloms.	N.A.	N.A.	N.A.	1055	2599	6103	6684
Total length of distribution lines (below 11 KV) Circuit Kiloms.	N.A.	N.A.	N.A.	1026	3533	7351	8576
No. of Pump sets	Nil	2	20	88	306	1032	1202
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	11.40	15.32	18.67	15.86

@—@As per 1971 census.

TABLE No. 9-1-7  
Progress of Electricity Supply—Jammu and Kashmir

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	..
1	2	3	4	5	6	7	8
<i>Installed Capacity (MW)</i>							
Hydro	4.514	10.606	10.612	28.07	26.92	61.72	62.72
Steam	1.500	1.500	1.500	1.50	7.50	22.50	22.50
Diesel	0.465	0.769	0.869	1.54	5.92	7.92	8.73
<b>TOTAL</b>	<b>6.479</b>	<b>12.875</b>	<b>12.981</b>	<b>31.11</b>	<b>40.34</b>	<b>82.14</b>	<b>93.95</b>

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
1	2	3	4	5	6	7	8
<i>Energy Generation (Gross)</i> (Million Kwh)							
Hydro	23.479	23.896	43.489	N.A.	123.02	206.20	279.42
Steam	1.774	..	..	N.A.	N.A.	11.28	18.45
Diesel	0.261	0.075	0.025	N.A.	10.93	7.29	5.28
<b>TOTAL</b>	<b>25.514</b>	<b>23.971</b>	<b>43.514</b>		<b>133.95</b>	<b>224.75</b>	<b>303.15</b>
Used by Power Station auxiliaries	..	..	0.509	..	9.70	1.50	5.06
Purchased from non-utilities	..	..	..	..	..	..	..
<i>Sales (within the State)</i>							
Domestic Light & small power	7.660	8.864	22.500	Data	48.82	74.00	92.63
Commercial light & small power	0.811	0.176	1.060	not available	31.04	21.00	26.29
Industrial Power	6.318	6.424	22.000	..	31.30	72.00	90.13
Public lighting	0.552	0.566	1.300	..	Neg.	4.50	5.63
Railways/Tramways	..	..	..	..	..	..	..
Agricultural	0.424	0.302	0.700	..	13.32	16.00	20.03
Public Water Works & Sewage pumping	1.610	2.086	3.500	..	6.59	21.00	26.29
Miscellaneous	..	..	..	..	..	..	..
<b>TOTAL</b>	<b>17.375</b>	<b>18.418</b>	<b>51.00</b>	<b>..</b>	<b>131.07</b>	<b>208.50</b>	<b>261.0</b>

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	36173	42139	51052	N.A.	144160	226829	217647@
Total No. of villages electrified	..	..	32	383	614	1380@@	1741(A)
Total length of Transmission lines (11 KV & above) Circuit Kilomrs	147	259	565	N.A.	2712	3522	4689
Total length of distribution lines (below 11 KV) Circuit Kilomrs.	208	208	141	N.A.	N.A.	4330	6630
No. of Pump sets	N.A.	10	85	104	162	402	417
Transmission & distribution losses for the year	N.A.	N.A.	N.A.	N.A.	29.29	29.15	23.49

@—Does not include consumers of Public Lighting.

@@—As per 1971 census.

(A)As on 28-2-1975.

TABLE NO. 9.1.8  
Progress of Electricity Supply—Karnataka

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	107.20	178.20	178.20	432.00	788.40	966.60	966.60
Steam . . . . .	0.06	..	..	1.00	..	..	..
Gas Turbine . . . . .	..	..	..	10.00	100.00	..	..
Diesel . . . . .	7.68	12.26	12.88	12.53	0.65	..	..
<b>TOTAL</b>	<b>114.94</b>	<b>190.46</b>	<b>191.08</b>	<b>455.63</b>	<b>799.05</b>	<b>966.60</b>	<b>966.60</b>

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
1	2	3	4	5	6	7	8
<b>Energy Generation (M. KWh)</b>							
Hydro . . . . .	525.34	809.73	1038.76	1916.07	2517.67	4578.48	4703.04
Steam . . . . .	..	..	..	1.63	..	..	..
Gas Turbine . . . . .	..	..	..	0.61	..	..	..
Diesel . . . . .	13.16	16.45	19.24	17.52	0.02	..	..
<b>TOTAL</b>	<b>538.50</b>	<b>826.18</b>	<b>1058.00</b>	<b>1935.83</b>	<b>2517.69</b>	<b>4578.48</b>	<b>4703.04</b>
Purchased from non-utilities Used by power station auxiliaries . . . . .	..	..	..	..	..	..	..
Sales (within the State)							
Domestic light & small power . . . . .	31.99	55.49	75.25	131.26	188.54	304.76	367.31
Commercial light & small Power . . . . .	8.73	17.79	21.30	27.29	70.66	75.43	84.88
Industrial Power . . . . .	292.17	486.23	731.89	1035.51	1392.72	2812.97	2770.01
Public lighting . . . . .	7.14	13.84	18.88	28.68	43.17	77.76	68.68
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	6.97	16.47	23.72	66.02	124.50	250.32	295.04
Public Water Works & Sewage Pumping . . . . .	37.03	42.57	58.92	92.85	95.40	103.29	154.64
Miscellaneous . . . . .	..	..	..	..	0.02	0.04	0.04
<b>TOTAL</b>	<b>384.03</b>	<b>632.39</b>	<b>934.96</b>	<b>1381.61</b>	<b>1915.01</b>	<b>3633.57</b>	<b>3740.63</b>

NOTE :—Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking the installed capacity and generation of jointly-owned projects according to the share of participating States instead of the previous practice of taking the total values against the State having major share.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers . . . . .	N.A.	N.A.	367437	614938	871146	1456330	1594128
Total No. of villages electrified . . . . .	551	1,507	2920	4627	7225	12644@@	13730@@
Total length of Transmission lines (11 KV & above) Circuit Kiloms . . . . .	N.A.	N.A.	12704	21413	39947	70460	61979
Total length of distribution lines (below 11 KV) Circuit Kiloms . . . . .	N.A.	N.A.	8053	31576	58186	124668	114175
No. of Pump sets . . . . .	2,460	8003	16888	42371	91826	189688	208009
Transmission and Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	16.34	15.84	18.65	18.72

@@—As per 1971 census.

TABLE No. 9.1.9  
Progress of Electricity Supply—Kerala

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (MW)</i>							
Hydro . . . . .	28.500	85.500	132.500	192.500	545.00	621.50	621.50
Diesel . . . . .	4.170	4.277	4.762	4.60	1.60	3.20	3.10
TOTAL . . . . .	32.670	89.777	137.262	197.10	546.60	624.70	624.60

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation (M. KW)</i>							
Hydro . . . . .	152.179	349.599	581.818	840.34	1623.00	2560.78	2659.16
Diesel . . . . .	1.460	0.132	..	1.60	Neg.	0.08	0.01
TOTAL . . . . .	153.639	349.731	581.818	841.94	1623.00	2560.86	2659.17
Used by Power station auxiliaries . . . . .	..	..	18.394	18.82	17.22	23.29	23.56
Purchase from non-uti- lities . . . . .	..	..	..	..	..	..	..
<i>Sales within the State</i>							
Domestic light and small power . . . . .	13.748	22.890	51.073	89.93	80.45	155.06	177.78
Commercial light & small power . . . . .	2.697	2.291	3.851	14.43	58.29	90.13	98.46
Industrial Power . . . . .	140.939	223.592	396.407	602.90	1117.14	1402.15	1395.12
Public Lighting . . . . .	1.604	2.722	8.358	10.55	16.29	29.64	33.23
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	6.170	10.721	18.287	24.03	43.21	91.72	101.99
Public Water Works & Sewage pumping . . . . .	3.292	7.001	7.844	7.96	4.43	16.95	17.24
Miscellaneous . . . . .	..	..	..	..	0.58	6.83	5.30
TOTAL . . . . .	168.450	269.217	485.820	749.80	1320.39	1792.48	1829.12

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers . . . . .	N.A.	N.A.	207667	362080	483690	814839	864894
Total No. of villages elec- trified . . . . .	159	381	872	1083	1137	1173	1182@@
Total length of Trans- mission lines (11 KV & above) Circuit Kilomrs. . . . .	N.A.	N.A.	7537	9002	9864	13172	13474
Total length of distri- bution lines (below 11 KV) Circuit Kilo- mrs. . . . .	N.A.	N.A.	161	15128	16505	27140	27455
No. of Pump sets . . . . .	N.A.	N.A.	2666	6957	13909	37661	41549
Transmission & Distri- bution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	20.06	16.92	16.86	15.51

@@—As per 1971 census.

TABLE No. 9.1.10  
Progress of Electricity Supply—Mahya Pradesh

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .			69.00	46.00	122.00	193.00	193.00
Steam . . . . .	27.31	66.32	169.79	238.40	569.20	582.00	582.00
Diesel . . . . .	11.98	15.98	28.74	26.14	7.40	1.52	1.08
<b>TOTAL . . . . .</b>	<b>39.29</b>	<b>82.30</b>	<b>267.53</b>	<b>310.54</b>	<b>698.60</b>	<b>776.52</b>	<b>776.08</b>

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<b>Energy Generation (Gross) (Million Kwh)</b>							
Hydro . . . . .	57.35	150.07	429.68	1110.20	1757.56	2557.56	2755.01
Steam . . . . .	15.95	19.27	24.05	19.96	1.47	0.09	0.13
Diesel . . . . .							
<b>TOTAL . . . . .</b>	<b>73.30</b>	<b>169.34</b>	<b>476.97</b>	<b>1208.22</b>	<b>2030.46</b>	<b>3267.87</b>	<b>3624.30</b>
Purchased from non-utilities	..	..	30.00	69.29	..	..	..
Used by power Station auxiliaries	..	..	30.99	100.06	174.11	246.83	258.70
<b>Sales (within the State)</b>							
Domestic light and small power	14.85	25.21	45.40	74.39	116.66	163.39	179.02
Commercial light and small power	7.47	13.53	20.79	26.64	63.46	138.95	186.40
Industrial power	23.09	77.28	301.27	868.38	1284.89	1957.18	2082.66
Public Lighting	2.18	4.80	9.11	9.97	17.87	27.70	26.91
Railways/Tramways	..	..	..	..	..	58.03	67.37
Agricultural	0.19	0.69	3.89	11.76	38.49	125.88	161.81
Public Water Works and Sewage pumping	10.32	18.49	25.24	37.28	51.09	70.08	75.20
Miscellaneous	..	..	..	..	..	..	..
<b>TOTAL . . . . .</b>	<b>58.10</b>	<b>140.00</b>	<b>405.70</b>	<b>1028.42</b>	<b>1572.46</b>	<b>2541.21</b>	<b>2779.37</b>

NOTE—Figures of installed capacity and generation from 1965-66 onwards have been changed by taking the installed capacity and generation of jointly-owned projects according to the share of participating States instead of the previous practice of taking the total value against the State having major share.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	64355	126792	161473	315970	443070	853151	946529
Total No. of villages electrified	9	47	373	1133	2754	10703	11304
Total length of Transmission lines (11 KV and above) Circuit Kiloms.	891	3070	4506	11326	22359	48120	51879
Total length of distribution lines (below 11 KV) Circuit Kiloms.	352	336	310	7018	12929	48810	55009
No. of Pump sets	Nil	30	1822	7314	24631	115560	133295
Transmission and Distribution losses (%) for the year	N.A.	N.A.	N.A.	11.75	15.84	18.81	20.22

TABLE No. 9.1.11

## Progress of Electricity Supply—Maharashtra

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	13-3-75 8
<i>Installed Capacity (MW)</i>							
Hydro	253.11	279.91	281.91	598.89	844.32	844.32	855.30
Steam	64.95	225.11	443.25	653.25	771.00	975.00	1215.00
Diesel	21.12	27.92	34.36	52.36	23.67	2.63	0.07
TOTAL	339.18	532.94	759.52	1304.50	1638.99	1821.95	2070.37

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation (M. kwh)</i>							
Hydro	1229.02	1467.48	1364.95	3157.56	4120.00	4675.42	5175.29
Steam	280.04	742.34	1834.76	2415.92	3508.52	5146.94	5619.79
Diesel	32.20	38.88	68.17	61.71	36.06	0.57	0.36
TOTAL	1541.26	2248.70	3267.88	5635.19	7664.58	9822.93	10795.44
Purchased from non-utilities	..	..	2.20	..	..	..	..
Used by Power Station auxiliaries	..	..	136.11	212.11	310.80	430.51	449.02
<i>Sales (within the State)</i>							
Domestic light and small power	107.90	165.57	259.90	448.21	603.43	830.43	969.14
Commercial light and small power	86.13	131.30	198.23	363.38	446.86	562.42	586.76
Industrial Power	815.80	1234.90	1852.67	3297.26	4488.76	6080.66	6274.03
Public Lighting	7.13	14.50	19.88	38.57	59.01	82.44	89.83
Railways/Tramways	270.95	344.46	338.93	413.86	388.85	505.11	486.27
Agricultural	2.75	5.13	14.76	89.55	236.21	487.60	667.91
Public Water Works and Sewage pumping	23.34	31.37	35.15	65.70	113.67	157.97	175.72
Miscellaneous	..	..	..	..	52.80	105.68	121.54
TOTAL	1314.06	1927.23	2719.52	4716.53	6389.59	8812.31	9371.20

NOTE—Figures of installed capacity and generation of jointly owned projects have been taken according to the share of participating States, till 1972-73.

(A)—50% of Tarapore Nuclear Power Station Installed Capacity and generation till now shown in Maharashtra is included in "Central Govt. Undertakings" table from the year 1973-74.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	N.A.	N.A.	677112	1323003	1724981	2670398	2964599
Total No. of villages electrified	33	237	764	4273	9450	16933	18643@@
Total length of Transmission lines (11 KV & above) Circuit Kiloms	N.A.	N.A.	26255	25364	N.A.	69424	73916
Total length of distribution lines (below 11 KV) Circuit Kms.	N.A.	N.A.	1017	26604	52700	91249	93916
No. of Pumps etc	142	2166	7219	44978	124981	342665	380844
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	1200	13.17	16.35	16.26

\*Revised figures.

@@—As per 1971 Census.

TABLE No. 9.1.12  
Progress of Electricity Supply—Manipur

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity</i>							
Hydro . . . . .	..	..	..	..	0.60	0.60	0.60
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	N.A.	N.A.	N.A.	2.43	2.80	5.24	5.24
TOTAL . . . . .	N.A.	N.A.	N.A.	2.43	3.40	5.84	5.84

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation (M.kwh)</i>							
Hydro . . . . .	..	..	..	..	1.87	1.64	1.64
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	N.A.	N.A.	N.A.	6.15	4.37	11.42	11.42
TOTAL . . . . .	N.A.	N.A.	N.A.	6.15	6.24	13.06	13.06
Domestic . . . . .	N.A.	N.A.	N.A.	3.44	2.64	7.46	5.42
Commercial . . . . .	N.A.	N.A.	N.A.	0.13	0.07	0.05	0.66
Industrial Power . . . . .	N.A.	N.A.	N.A.	0.64	0.50	1.25	2.02
Public Lighting . . . . .	N.A.	N.A.	N.A.	..	0.11	0.15	0.63
Railway . . . . .	N.A.	N.A.	N.A.	..	..	..	..
Agricultural . . . . .	N.A.	N.A.	N.A.	..	..	..	0.27
Public Water Works . . . . .	N.A.	N.A.	N.A.	0.05	0.01	..	0.50
Miscellaneous . . . . .	N.A.	N.A.	N.A.	..	..	..	0.50
TOTAL . . . . .	N.A.	N.A.	N.A.	4.26	3.33	8.91	10.00

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Consumers . . . . .	N.A.	N.A.	N.A.	3133	4857	12615	12615
Villages electrified . . . . .	9	12	29	115	153	213	217@@
Total length of lines (11 KV & above) . . . . .	N.A.	N.A.	N.A.	134	299	N.A.	700
Lines below (11 KV) . . . . .	N.A.	N.A.	N.A.	194	322	N.A.	735
No. of Pump sets . . . . .	..	..	..	..	..	..	Nil
Transmission & Distribu- tion losses (%) . . . . .	N.A.	N.A.	N.A.	29.67	45.77	26.30	26.06

@@— As per 1971 census.



TABLE NO. 9.1.13  
Progress of Electricity—Nagaland

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (MW)</i>							
Diesel . . . . .	..	..	..	0.73	2.00	2.03	2.02
<b>TOTAL . . . . .</b>	..	..	..	0.73	2.00	2.03	2.02
Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation</i> (Gross) Million Kwh.)							
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	..	..	..	1.01	1.20	0.32	0.30
<b>TOTAL . . . . .</b>	..	..	..	1.01	1.20	0.32	0.30
Purchased from non-utilities.	..	..	..	..	..	..	..
Used by power station auxiliaries.	..	..	..	0.01	0.02	0.03	0.01
<i>Sales (within the State)</i>							
Domestic light and small power	..	..	..	0.65	2.37	8.25	6.50
Commercial light and small power	..	..	..	..	0.66	5.28	4.17
Industrial power . . . . .	..	..	..	0.07	0.16	3.13	2.47
Public lighting . . . . .	..	..	..	0.07	0.16	1.06	0.84
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	..	..	..	..
Public Water Works & Sewage pumping.	..	..	..	0.05	0.03	0.68	0.54
Miscellaneous . . . . .	..	..	..	..	..	0.28	0.22
<b>TOTAL . . . . .</b>	..	..	..	0.84	3.38	18.68	14.74

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-12-69	31-3-74	31-3-75
Total No. of consumers	N.A.	N.A.	N.A.	1963	5175	16197	22187
Total No. of villages electrified	..	..	7	11	41	136@@	156@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	N.A.	N.A.	N.A.	11	52	N.A.	1047
Total length of distribution lines (below 11 KV) Circuit Kilomrs.	N.A.	N.A.	N.A.	67	161	N.A.	756
No. of Pumpsets . . . . .	Nil	Nil	Nil	Nil	Nil	1	1
Transmission & Distribution losses (% for the year.	N.A.	N.A.	N.A.	15.88	11.98	15.01	19.98

@@—As per 1971 census.

TABLE No. 9.1.14  
Progress of Electricity Supply—Orissa

Year 1	31-12-56 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	0.01	24.01	123.01	304.44	304.42	424.43	544.42
Steam . . . . .	0.78	5.78	5.78	5.75	195.75	259.25	258.25
Diesel . . . . .	4.08	3.99	7.47	4.80	1.68	1.05	0.55
<b>TOTAL</b>	<b>4.87</b>	<b>33.78</b>	<b>136.26</b>	<b>314.99</b>	<b>501.85</b>	<b>683.73</b>	<b>803.22</b>
Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<b>Energy Generation (Gross) (Million Kwh)</b>							
Hydro . . . . .	0.01	0.01	483.74	1155.52	997.57	1591.14	1470.00
Steam . . . . .	2.13	17.62	..	..	384.36	550.06	861.20
Diesel . . . . .	4.67	3.52	5.90	0.97	0.95	0.43	0.04
<b>TOTAL</b>	<b>6.81</b>	<b>21.15</b>	<b>489.64</b>	<b>1156.49</b>	<b>1382.88</b>	<b>2141.63</b>	<b>2331.24</b>
Purchase from non-utili- ties.	N.A.	N.A.	44.81	9.03	9.83	5.91	6.68
Used by power station auxiliaries	..	..	3.68	4.26	53.55	70.24	97.38
<b>Sales : within the State</b>							
Domestic light & small power.	2.23	4.02	18.30	29.93	28.82	47.40	48.85
Commercial light & small power.	1.41	1.94	7.87	16.69	51.32	40.83	43.95
Industrial power . . . .	1.12	7.58	457.47	882.21	1131.13	1356.72	1426.62
Public lighting . . . . .	0.24	0.61	1.49	7.95	4.41	6.95	6.93
Railways/Tramways . . .	..	..	..	32.72	26.11	49.75	53.98
Agricultural . . . . .	..	..	0.75	1.73	3.33	7.90	8.88
Public Water Works and Sewage pumping . . . . .	0.10	1.05	2.30	5.36	4.94	21.65	20.97
Miscellaneous . . . . .	..	..	..	..	..	26.62	19.98
<b>TOTAL</b>	<b>5.10</b>	<b>15.20</b>	<b>488.18</b>	<b>976.59</b>	<b>1250.06</b>	<b>1557.82</b>	<b>1630.16</b>

NOTE :—Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking the installed capacity and generation of jointly-owned projects according to the share of participating States instead of the previous practice of taking the total values against the state having major share.

Year 1	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers .	3965	12187	34452	75820	117897	207731	234977
Total No. of villages elec- trified.	..	25	118	534	821	8466	10128
Total length of Transmis- sion lines (11 KV & above) Circuit Kiloms.	66	381	2028	7196	8792	17962	22481
Total length of distribu- tion lines (below 11 KV) Circuit Kiloms.	42	101	205	2000	2774	9627	11482
No. of Pump sets . . . . .	N.A.	N.A.	N.A.	N.A.	477	2759	3515
Transmission & Distribu- tion losses (%) for the year.	N.A.	N.A.	N.A.	14.60	9.96	10.47	11.39

TABLE NO. 9.1.15  
Progress of Electricity Supply—Punjab\*\*

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	48.24	144.24	324.73	417.37	660.70	708.70	714.70
Steam . . . . .	1.08	1.08	1.58	5.00	15.00	5.00	115.00
Diesel . . . . .	8.60	10.46	9.54	10.28	6.07	56.98	56.62
<b>TOTAL</b>	<b>57.92</b>	<b>155.77</b>	<b>335.85</b>	<b>432.65</b>	<b>681.77</b>	<b>770.68</b>	<b>886.32</b>
<b>Year 1</b>	<b>1951 2</b>	<b>1956 3</b>	<b>1960-61 4</b>	<b>1965-66 5</b>	<b>1968-69 6</b>	<b>1973-74 7</b>	<b>1974-75 8</b>
Hydro . . . . .	163.72	413.50	977.73	1806.34	2441.43	3488.74	2478.56
Steam . . . . .	..	..	..	8.00	4.49	8.72	152.50
Diesel . . . . .	9.31	0.69	4.36	4.45	0.76	30.24	59.02
<b>TOTAL</b>	<b>173.03</b>	<b>414.19</b>	<b>982.09</b>	<b>1818.79</b>	<b>2446.68</b>	<b>3527.70</b>	<b>2690.08</b>
Purchased from non-utilities Used by power station auxiliaries . . . . .	..	..	0.96	0.31	8.12	10.89	24.04
<b>Sales within the State</b>							
Domestic light & small power	24.90	40.84	69.87	113.54	121.67	209.43	198.36
Commercial light and small power . . . . .	12.01	34.82	61.40	86.43	77.87	96.71	111.46
Industrial power . . . . .	56.13	153.63	355.97	1915.71	1834.04	1661.29(A)	1191.60(A)
Public lighting . . . . .	2.44	5.75	9.09	9.87	8.71	9.07	7.69
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	0.49	22.66	74.85	210.85	199.41	709.68(B)	695.85(B)
Public Water Works and Sewage pumping	6.59	8.73	9.12	13.41	6.84	4.86	2.72
Miscellaneous . . . . .	..	..	..	..	7.57	81.57	2.31
<b>TOTAL</b>	<b>102.56</b>	<b>266.43</b>	<b>580.30</b>	<b>2349.81</b>	<b>2256.11</b>	<b>2772.61</b>	<b>2209.99</b>

Year	31-12-1951	31-12-56	31-3-61	13-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers . . . . .	N.A.	230795§	500859§	907985	981689	1281476	1284939
Total No. of villages electrified	42	369	1712	3,697	5018	7078	7717@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	N.A.	5077	15302	21759	17811	27045*	30972*
Total length of distribution lines (below 11 KV) Circuit Kilomrs.	N.A.	105	60	13718	21727	36042	39604
No. of Pump sets . . . . .	N.A.	3095	8514	25,296	59112	129566	138902
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	14.59	18.96	20.74	20.65

§Figures pertain to Erstwhile Punjab.

\*Transmission lines of B.M.B. have been included.

NOTE :—1 Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking the installed capacity and generation of jointly owned projects according to the share of participating States instead of the previous practice of taking the total values against the State having major share.

\*\* Figures of installed capacity and generation for all the years from 1966-67 onwards are for the area under re-organised Punjab. Figures of the years 1951, 1960-61 and 1965-66 present Punjab and Chandigarh combined due to want of data at present.

(A) Includes N.P.F.

(B) Includes Public Water Works and I.B. Consumption.

TABLE No. 9.1.16  
Progress of Electricity Supply—Rajasthan

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (MW)*</i>							
Hydro . . . . .	..	..	..	156.27	305.33	376.33	376.33
Steam . . . . .	17.26	24.00	46.25	48.50	146.15	163.00	163.00
Diesel . . . . .	18.68	19.79	24.43	31.81	36.96	34.09	31.40
Gas Turbine . . . . .	..	..	..	10.00	10.00	10.00	10.00
TOTAL . . . . .	30.94	43.79	70.68	246.58	498.44	583.42	580.78

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation (Gross)</i>							
Hydro . . . . .	..	..	..	564.24	932.44	1594.64	1466.32
Steam . . . . .	42.72	61.28	70.41	127.31	346.32	547.01	658.56
Diesel . . . . .	21.55	29.03	37.99	36.16	32.15	11.45	9.81
Gas Turbine . . . . .	..	..	..	1.38	Neg.	..	..
TOTAL . . . . .	64.27	90.31	108.40	729.09	1310.9	2153.10	2134.69
Purchase from non-utilities	N.A.	N.A.	0.11	..	..	..	..
Used by Power Station auxiliaries	..	..	6.40	10.55	41.23	53.65	61.82
<i>Sales : within the State</i>							
Domestic light and small power	10.83	12.33	20.73	38.51	53.56	94.39	107.02
Commercial light and small power	5.83	11.12	15.36	38.26	51.59	76.05	90.90
Industrial power . . . . .	14.19	21.89	33.58	197.81	409.22	763.91	878.76
Public lighting . . . . .	1.97	2.99	5.20	7.27	9.55	12.73	12.85
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	1.66	1.85	3.62	19.68	68.55	281.27	346.98
Public Water Works & Sewage Pumping	12.92	14.46	19.54	24.26	49.13	80.17	86.51
Miscellaneous . . . . .	..	..	..	..	10.33	19.79	37.28
TOTAL . . . . .	47.40	64.64	98.53	325.79	651.93	1328.31	1560.30

NOTE :— Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking the installed capacity and generation of jointly owned projects according to the share of participating States instead of the previous practice of taking the total value against the State having major share.

\*— Capacity and generation of Nuclear Plant has been shown in "Central Govt. Projects" Table for the year 1973-74.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	43519	64667	118437	249763	637255	639449	713182
Total No. of villages electrified	2	5	46	1115	2075	5778@@	6326@@
Total length of Transmission lines (11 kv & above) Circuit Kiloms	382	571	1252	10685	15299	33436	36558
Total length of distribution lines (below 11 KV) Circuits Kiloms	385	527	737	6648	8710	30779	33947
No. of Pumpsets.	30	47	1,038	6861	18362	74696	86793
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	20.06	24.06	26.93	28.57

© ©—As per 1971 census.

TABLE NO. 9-1-17  
Progress of Electricity Supply—Tamil Nadu

Year 1	31-12-51 2	31-12-58 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity in MW</i>							
Hydro . . . . .	101.95	165.15	415.45	906.65	969.00	1224.00	1224.00
Steam . . . . .	52.00	84.00	101.50	410.50	501.50	430.00	430.00
Diesel . . . . .	0.52	0.52	0.52	6.00	..	..	..
TOTAL . . . . .	154.47	249.67	517.47	1314.15	1470.50	1654.00	1654.00

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	31-3-74 7	1974-75 8
<i>Energy Generation (M. kWh.)</i>							
Hydro . . . . .	579.17	802.62	1797.55	1978.63	3044.81	3696.94	3826.63
Steam . . . . .	140.19	281.71	416.17	2230.60	2616.20	1170.96*	1249.64
Diesel . . . . .	0.20	..	..	..	..	..	..
TOTAL . . . . .	719.56	1084.34	2213.72	4209.13	5661.01	4867.90	5076.27
Purchased from non utilities	..	..	..	..	..	1.00	..
Used in power station auxiliaries	..	..	64.75	266.33	293.29	162.73	190.88
<i>Sales : within the State</i>							
Domestic light and small power	59.34	108.92	162.89	213.70	270.86	390.27	425.23
Commercial light and small power	54.69	90.40	156.71	299.14	309.26	477.61	416.77
Industrial power	324.29	449.37	909.79	1792.32	2496.59	2713.75	2673.82
Public Lighting	14.18	20.77	33.92	48.91	62.67	78.23	81.30
Railways/Tramways	15.75	12.63	15.00	20.29	..	77.66	38.92
Agricultural	69.64	138.30	382.40	819.65	1126.16	1604.78	1849.77
Public Water Works and Sewage pumping	8.63	10.32	14.43	28.11	34.65	46.28	46.73
Miscellaneous	..	..	..	..	54.12	124.65	26.59
TOTAL . . . . .	546.52	830.71	1665.14	3222.12	4354.31	5513.25	5559.13

\* Installed capacity & generation of Neyveli Lignite Corporation T.P. is included in "Central Govt. Undertakings" table for the year 1973-74.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	N.A.	N.A.	761327	1335294	1813953	2738109	2820641
Total No. of villages electrified	1495	2430	,919	7,830	9472	13805	15416
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	N.A.	N.A.	26255	44520	52575	68453	69444
Total length of distribution lines (below 11 KV) Circuit Kilomrs.	N.A.	N.A.	533	80232	112105	197490	199699
No. of Pump sets	14373	32440	117695	256594	410119	681258	706914
Transmission and Distribution losses (%) for the year	N.A.	N.A.	N.A.	17.53	18.92	18.66	21.66

TABLE NO. 9.1.18  
*Progress of Electricity Supply- Tripura*

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
<i>Installed Capacity (M.W.)</i>							
Diesel . . . . .	N.A.	N.A.	N.A.	2.39	2.89	5.15	4.88
TOTAL . . . . .	N.A.	N.A.	N.A.	2.39	2.89	5.15	4.88

Year	1951	1956	1960-61	1965-66	1968-69	1973-74	1974-75
<i>Energy Generated (M. kwh)</i>							
Diesel . . . . .	N.A.	N.A.	N.A.	4.52	7.54	5.10	5.55
TOTAL . . . . .	N.A.	N.A.	N.A.	4.52	7.54	5.10	5.55
Domestic . . . . .	N.A.	N.A.	N.A.	2.63	3.97	5.40	5.42
Commercial . . . . .	N.A.	N.A.	N.A.	0.32	0.29	0.66	2.66
Industrial Power . . . . .	N.A.	N.A.	N.A.	0.53	1.62	2.01	0.02
Public Lighting . . . . .	N.A.	N.A.	N.A.	0.10	0.10	0.63	0.03
Railways/Tramways . . . . .	N.A.	N.A.	N.A.	..	..	..	..
Agricultural . . . . .	N.A.	N.A.	N.A.	..	0.09	0.25	0.27
Public Water works . . . . .	N.A.	N.A.	N.A.	..	0.50	..	0.50
Miscellaneous . . . . .	N.A.	N.A.	N.A.	..	..	1.00	0.50
TOTAL . . . . .	N.A.	N.A.	N.A.	3.58	6.57	9.95	10.00

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Consumers . . . . .	N.A.	N.A.	N.A.	4266	6806	10253	10347@@
Villages electrified . . . . .	..	Nil	12	31	48	103	125
Total length of lines (11 KV & above) . . . . .	N.A.	N.A.	N.A.	113	354	N.A.	883
Below 11 KV . . . . .	N.A.	N.A.	N.A.	113	213	N.A.	270
No. of Pumpacts . . . . .	..	..	..	..	..	40	40
Transmission and Distribution losses . . . . .	N.A.	N.A.	N.A.	19.54	11.57	25.24	31.34

TABLE No. 9-1-19  
Progress of Electricity Supply - Uttar Pradesh

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (M.W.)</i>							
Hydro	26.23	96.39	92.47	477.76	477.75	606.28	796.28
Steam	161.09	179.86	270.81	398.23	814.24	932.40	1026.00
Diesel	12.88	32.45	34.16	42.05	40.95	6.66	6.66
Gas Turbine	..	..	..	12.50	12.50	12.50	12.50
<b>TOTAL</b>	<b>200.19</b>	<b>308.74</b>	<b>397.44</b>	<b>930.54</b>	<b>1345.44</b>	<b>1557.84</b>	<b>1841.44</b>

Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy (Million Kwh)</i>							
<i>Generation</i>							
Hydro	157.32	232.31	439.97	1542.86	1611.44	1986.64	1589.92
Steam	398.27	490.83	786.26	1450.67	3707.27	3892.80	4598.83
Diesel	14.18	20.34	26.09	25.10	0.26	1.76	0.76
Gas Turbine	..	..	..	14.03	1.19	7.98	14.17
<b>TOTAL</b>	<b>569.77</b>	<b>743.48</b>	<b>1252.32</b>	<b>3032.66</b>	<b>5326.16</b>	<b>5889.18</b>	<b>6203.68</b>
Purchased from non-utilities	..	..	..	..	..	..	0.64
Used by power stations auxiliaries	..	..	59.55	118.35	347.03	374.17	467.98
<i>Sales within the State</i>							
Domestic light & small power	49.59	71.51	122.72	190.50	283.09	403.81	437.73
Commercial light & small power	40.45	59.32	74.74	116.11	129.44	125.21	127.76
Industrial power	230.99	314.18	503.93	1639.76	2884.93	2444.70	2533.02
Public Lighting	6.25	8.38	13.85	18.61	21.22	26.69	28.49
Railways Tramways	..	..	..	20.32	124.64	166.85	184.08
Agricultural	98.23	90.44	199.99	315.99	652.37	840.95	1233.45
Public Water Works and Sewage Pumping	32.43	42.15	60.48	70.94	82.17	90.15	79.92
Miscellaneous	*	*	*	*	76.84	53.61	57.49
<b>TOTAL</b>	<b>457.94</b>	<b>585.98</b>	<b>975.71</b>	<b>2372.23</b>	<b>4254.70</b>	<b>4151.97</b>	<b>4681.94</b>

\*Included in Commercial light and small power.

Year	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	65025	215552	325407	615314	871749	1643553	1720251
Total No. of villages electrified	110	420	1080	5855	2926	29765	30798@@
Total length of Transmission lines (11 KV and above) Circuit Kilometers	8,328	14725	18517	45437	67323	111897	117692
Total length of distribution lines (below 11 KV) Circuit Kilometers	714	1103	1402	12836	21773	65847	71038
No. of pumpsets	3046	5713	9881	17402	75659	233640	249480
Transmission and Distribution losses (%) for the year	N.A.	N.A.	N.A.	18.60	19.74	29.81	26.36

@@--As per 1971 census.

TABLE NO. 9 1.20

*Progress of Electricity Supply—West Bengal*

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<b>Installed Capacity (MW)@</b>							
Hydro . . . . .	2.76	4.76	67.21	67.51	25.51	36.51	36.51
Steam . . . . .	539.90	528.35	676.98	1211.21	1173.43	1278.94	1223.42
Diesel . . . . .	3.51	5.61	9.47	13.47	12.39	18.01	18.90
<b>TOTAL</b>	<b>546.17</b>	<b>538.72</b>	<b>753.66</b>	<b>1292.19</b>	<b>1209.33</b>	<b>1333.46</b>	<b>1278.83</b>
Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<b>Energy Generation (M. Kwh)@</b>							
Hydro . . . . .	5.93	8.34	159.89	144.90	38.83	86.51	100.77
Steam . . . . .	1196.90	1765.62	2150.17	3879.68	3961.19	4413.59	4385.27
Diesel . . . . .	4.45	4.63	8.68	16.36	16.30	8.71	5.87
<b>TOTAL</b>	<b>1207.28</b>	<b>1778.59</b>	<b>2318.74</b>	<b>4040.94</b>	<b>1046.32</b>	<b>4508.81</b>	<b>4491.91</b>
<b>Purchased from non-uti- lized by power station au- xiliaries@</b>	N.A.	N.A.	147.13	..	..	..	..
<b>Sales (within the State)</b>	N.A.	N.A.	130.60	329.45	323.63	369.20	387.04
Domestic light & small power	180.83	253.40	353.52	510.14	607.78	704.07	761.16
Commercial light & small power.	37.55	79.28	115.79	173.87	209.18	277.18	312.57
Industrial power . . .	731.95	1291.50	1808.13	3009.71	2877.35	3519.32	3419.91
Public Lighting . . . .	8.35	15.11	53.40	29.80	35.57	37.37	41.79
Railways/Framways . .	42.90	47.49	95.30	227.01	253.96	350.49	338.51
Agricultural . . . . .	..	2.17	0.65	4.25	15.04	30.10	40.27
Public Water Works & Sewage pumping.	32.56	65.59	95.99	110.14	129.85	145.14	142.63
Miscellaneous . . . . .	..	..	..	..	0.17	0.12	38.13
<b>TOTAL</b>	<b>1034.14</b>	<b>1754.54</b>	<b>2492.78</b>	<b>4064.92</b>	<b>4128.90*</b>	<b>5063.79*</b>	<b>5094.97*</b>

@—Data include DVC upto 1965-66 and from the year 1968-69 onwards. DVC data have been excluded and have been given separately.

\*Sales to ultimate consumers by DVC in West Bengal area is included in 1963-69 and onwards.

Year	31-12-51	31-12-65	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	219320	336606	444960	672555	823712	1052311	1145340
Total No. of villages electri- fied.	386	553	920	1594	2433	8708	9257@@
Total length of Transmission lines (11 KV & above) Circuit Km.	586	1254	3263	6640	10611	16843	27297
Total length of distribution lines (below 11 KV) Cir- cuit Km.	1272	1493	1633	10186	11197	14764	18850
No. of Pumpsets	N.A.	N.A.	56	437	1199	6535	7694
Transmission & Distribution losses (%) for the year.	N.A.	N.A.	N.A.	8.60	9.98	11.11	9.04

@@—As per 1 71 census.



TABLE NO. 9-1-21

*Progress of Electricity Supply D. V. C.*

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (MW)</i>							
Hydro . . . . .	..	..	..	..	104.00	104.00	104.00
Steam . . . . .	..	..	..	..	957.50	957.50	1197.50
TOTAL . . . . .	..	..	..	..	1061.50	1061.50	1301.50
<i>Energy Generation (Gross) (Mk. Wh.)</i>							
Hydro . . . . .	..	..	..	..	274.88	353.36	296.51
Steam . . . . .	..	..	..	..	4217.22	3427.69	4168.94
TOTAL . . . . .	..	..	..	..	4492.10	3781.05	4465.45
Purchase from non-utilities	N.A.	N.A.	N.A.	0.81	9.14	40.95	5.72
Used by power station auxiliaries.	..	..	..	..	420.60	401.69	448.31

NOTE :—Sales to ultimate consumers by D.V.C. are included in Bihar and West Bengal States.

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers . . . . .	..	..	..	..	21	16	18
Total No. of villages electrified.	..	..	..	..	..	..	..
Total length of Transmission lines (11 KV & above) Circuit Kms.	..	..	..	..	3205	2987	3147
Total length of distribution lines (below 11 KV) Circuit Kms.	..	..	..	..	..	..	..
No. of Pump sets . . . . .	..	..	..	..	..	..	..
Transmission & Distribution losses (%) for the year.	..	..	..	..	6.92	2.14	4.03

Figures for the year prior to 1968-69 re-included in Bihar and West Bengal respectively.

TABLE 9·1·22

*Progress of Electricity Supply Central Govt. Undertakings*

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed Capacity (MW)</i>							
Steam . . .	N.A.	N.A.	N.A.	N.A.	N.A.	806·00	1006·00
Nuclear . . .	..	..	..	..	..	640·00	640·00
TOTAL .	N.A.	N.A.	N.A.	N.A.	N.A.	1446·00	1646·00
Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
Steam . . .	N.A.	N.A.	N.A.	N.A.	N.A.	2643·71	3307·23
Nuclear . . .	..	..	..	..	..	2396·36	2206·09
TOTAL .	..	..	..	..	..	5040·07	5513·32
Energy used by power station auxiliaries	N.A.	N.A.	N.A.	N.A.	N.A.	541·99	608·90

Sales to ultimate consumers has been included in the respective beneficiary states. (Please see table No. 11(A) for more details).

Notes:—Prior to 1973-74 the data pertaining to Central Govt. Projects have been included in the respective states. The Central Govt. Projects covered in this table are (i) Neyveli (Tamil Nadu), (ii) Tarapore (Nuclear), (Maharashtra), (iii) R.A.P.P. (Nuclear) (Rajasthan), (iv) Pong (Steam Punjab), (v) Chola Central Railways, (vi) Badarpur (Steam) (Delhi).

TABLE No. 9.1.23  
Progress of Electricity Supply—Delhi

Year 1	31-12-51 2	31-12-56 3	31-3-61 4	31-3-66 5	31-3-69 6	31-3-74 7	31-3-75 8
<i>Installed capacity (MW)</i>							
Steam . . . . .	35.15	52.40	35.60	91.60	231.00	276.20	276.20
Diesel . . . . .	7.44	2.79	22.70	20.82	20.82	20.80	20.80
TOTAL . . . . .	42.59	55.19	76.30	112.42	251.82	297.00	297.00
Year 1	1951 2	1956 3	1960-61 4	1965-66 5	1968-69 6	1973-74 7	1974-75 8
<i>Energy Generation (Mk. Wh).</i>							
Steam . . . . .	131.88	231.68	271.41	387.13	605.42	1204.38	1420.66
Diesel . . . . .	5.40	0.54	39.35	7.35	2.87	17.30	1.02
TOTAL . . . . .	137.28	232.22	310.76	394.48	608.29	1221.68	1421.68
Used by power station auxiliaries.	..	..	59.24	38.25	66.88	107.73	124.59
<i>Sales within the State</i>							
Domestic light & small power	24.250	52.462	97.101	186.51	261.31	396.76	440.58
Commercial light & small power.	33.003	57.629	72.892	167.29	151.51	285.14	308.03
Industrial Power . . . . .	32.406	74.306	153.892	178.43	312.48	487.06	475.75
Public lighting . . . . .	2.637	6.491	10.937	15.88	21.39	59.91	76.42
Railways/Tramways . . . . .	..	0.347	0.171	..	..	..	..
Agricultural . . . . .	5.730	4.928	5.007	6.91	7.30	6.18	6.18
Public Water Works & Sewage pumping.	21.420	31.592	43.185	55.05	77.60	102.72	112.58
Miscellaneous . . . . .	..	..	..	..	..	..	..
TOTAL . . . . .	119.446	227.755	383.185	610.07	831.59	1337.77	1419.54

NOTE :—Figures of installed capacity and generation for the year 1967-68 onwards have been shown according to the share of Delhi.

TABLE No. 9\*1-23—contd.  
 Progress of Electricity Supply Delhi—contd.

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-74	31-3-75
Total No. of consumers	14,637	112,051	1,89,393	3,60,492	4,98,040	7,25,966	7,79,067
Total No. of villages electrified.	24	24	35	274	276	276	243@@
Total length of Transmission lines 11 KV & above (C. Kms.)	78	213	390	504	2,501	3,239	3,447
Total length of distribution lines below 11 KV (C. Kms.)	347	368	807	3,872	4,612	7,951	8,713
No. of Pump sets	Nil	Nil	5	673	2,884	6,527	7,271
Transmission & Distribution losses (%) for the year.	N.A.	N.A.	N.A.	11.88	13.16	6.58	9.78

@@— As per 1971 census.