

GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER
CENTRAL ELECTRICITY AUTHORITY



PUBLIC ELECTRICITY SUPPLY
ALL INDIA STATISTICS
1972-73

GENERAL REVIEW

AS COMPILED BY THE COMMERCIAL DIRECTORATE
CENTRAL WATER & POWER COMMISSION (POWER WING)
FOR AND ON BEHALF OF THE CENTRAL ELECTRICITY AUTHORITY
1976

FOREWORD

1. The General Review is our annual publication for the year 1972-73 presenting in a summarised form the salient features of the progress and development of Electricity Supply Industry in the Indian Union. As in the past, selected industries have also been covered.

2. The Central Electricity Authority is grateful to the various Governments of the States and Union Territories, State Electricity Boards and other Electricity Supply Authorities—both in the Public and Private Sectors—for the supply of essential data for the compilation of this publication. In a few cases, where the data have not been received at all, the Central Water and Power Commission (Power Wing), on behalf of the Authority either had to resort to estimation of the figures wherever possible or indicate 'Not Available'.

3. As the publication is intended to present, as far as possible, a correct picture of the progress achieved by the Electricity Supply Industry in each State/ Union Territory of the Union for a particular year, it is necessary that it is brought out well in time in order to enhance its utility. The delay in publication has been mainly due to late receipt of data from some of the Boards. Efforts are being made to persuade them to send data in time in future. To this end, the co-operation of all Electricity Supply Undertakings—both in the Public and Private Sectors—is solicited in ensuring that complete statistical and financial details regarding their undertakings are made available in time to the Authority.

4. Every effort has been made to ensure accuracy of the material presented in this publication but it has to be noted that the Authority cannot accept any responsibility for errors or omissions.

5. The Authority records its appreciation of the work done by the Commercial Directorate of the Central Water and Power Commission (Power Wing) in the compilation and publication of this "General Review".

July, 1974
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CONTENTS

<i>Description</i>	<i>Page No.</i>
1. General Power Supply Position	1
2. Power Generation	1
2·1 Installed Plant Capacity and Generation by Ownership and Type of Plant	1
2·2 Installed Plant Capacity and Generation	2
2·3 Jointly-owned Projects	2
2·4 Generation, Maximum Demand and Load Factor	2
2·5 Addition of Generating Capacity	2
2·6 Plant Withdrawn	3
2·7 Electricity Undertakings	4
2·8 Classification of Undertakings owning Generating Stations according to the range of Installed Capacity, Generation and Maximum Demand	4
2·9 Classification of Power Stations	4
2·9·1 Hydro Power Stations	4
2·9·2 Steam Power Stations	5
2·9·3 Efficiency of Thermal Stations	5
2·9·4 Nuclear Power Stations	6
2·9·5 Gas Turbine & Diesel Power Stations	6
2·10 Installed Power Plant according to AC & DC Generation	6
2·11 Voltage of Generation	6
2·12 Fuel Consumption	8
3. Energy Utilization	8
3·1·3 Inter-State Transfer of Energy	8
3·2 Energy Sales	9
3·3 Electricity Consumption per capita (Utilities plus Non-utilities)	9
3·4 Per capita Installed Capacity (Utilities)	10
3·5 Progress of Electricity Supply Industry	10
4. Transmission and Distribution	10
4·1 Transmission and Distribution Lines	10
4·2 Transformers	11
4·3 Consumer & Connected Load Data (Utilities)	11
4·4 Towns & Villages Electrified	11
5. Power Generated and used in Selected Industries (Excluding Railways)	12
6. Railways	13
7. Electrical Accidents	13
8. Financial Data of Public Electricity Supply Undertakings 1971-72	13
9. Financing	13
10. Revenue	14
11. Revenue per kWh Sold Under Each Category	15
12. Tentative Financial Results of the Government Departments, State Electricity Boards, Municipalities, Companies etc. during 1972-73	15

TABLES

SECTION I

TECHNICAL STATISTICS

<i>Table No.</i>	<i>Description</i>	<i>Page No</i>
1.	Salient Features of the Electricity Supply Industry	19
2.	Installed Plant Capacity (as on 31-3-73) and Generation by Type of Plant and Ownership	22
3.	Installed Plant Capacity and Generation by Ownership and Increase Over previous year (Utilities)	23
4.	Statewise Installed Capacity Generation and Number of Undertakings (Utilities)—Sectorwise	24
5.	Installed Plant Capacity (31-3-73) Aggregate Maximum Demand and Energy Generated by Type of Plant	29
6.	Statewise Gross Generation and Auxiliaries Consumption by type of Plant	35
7.	Statewise Installed Hydro Plant Capacity and Gross Generation by Ownership (Utilities)	39
8.	Statewise Installed Steam Plant Capacity and Gross Generation by Ownership (Utilities)	41
9.	Statewise Installed Gas Turbine and Diesel Plant Capacity and Gross Generation by Ownership (Utilities)	43
10.	Installed Capacity (as on 31-3-73) Maximum Demand and Generation of Atomic Power House	45
11.	Shares of Participating States in jointly-owned Power Stations	46
12.	Statewise Aggregate Generating Maximum Demand by Ownership (MW)	47
13.	Hydro Generating Units Commissioned during 1972-73	48
14.	Steam, Gas and Nuclear Generating Units Commissioned during 1972-73	48
15.	Boilers Commissioned during 1972-73	49
16.	Acquisition of Electricity Supply Undertakings	49
17.	Distribution of Licensee Undertakings into (i) Generating (ii) Generating and Purchasing (iii) Purchasing and Distributing (Statewise)	50
18.	Distribution of Municipal Undertakings	51
19.	Classification of Undertakings (Utilities) owning Generating Stations according to Ranges of Installed Capacity	52
20.	Classification of Undertakings (Utilities) owning Generating Stations according to the Ranges of Generation	54
21.	Classification of Undertakings owning Generating Stations according to the Ranges of Generating maximum Demand	56
22.	Classification of Hydro Power Stations according to the Range of Installed Plant Capacity	57
23.	Classification of Steam Power Stations according to the Range of Installed Plant Capacity	58
24.	Distribution of Steam Power Stations according to Overall Thermal Efficiency	58
25.	Classification of Gas Turbine Power Stations according to the Range of Installed Plant Capacity	59
26.	Plant Capacity and Generation by A.C. & D.C.	59
27.	Analysis of Generating Sets according to Type of Prime Movers and Ownership	60
28.	Classification of Hydro Power Plant according to the size of the Sets	63
29.	Classification of Steam Power Plant according to the size of the Sets	64
30.	Classification of Gas Turbine Power Plant according to the size of the Sets (Ownershipwise)	66
31.	Classification of Generating Sets according to Voltage of Generation	66
32.	Fuel Consumption	69
33.	Utilisation of Electricity Generated, Purchased, Sold and Energy Losses—All India (Utilities)—1972-73	71
34.	Statement showing Inter-State Transfer of Power (Region-wise)—1972-73	71
35.	Statewise Energy Generation, Purchase, Utilisation and Losses	74

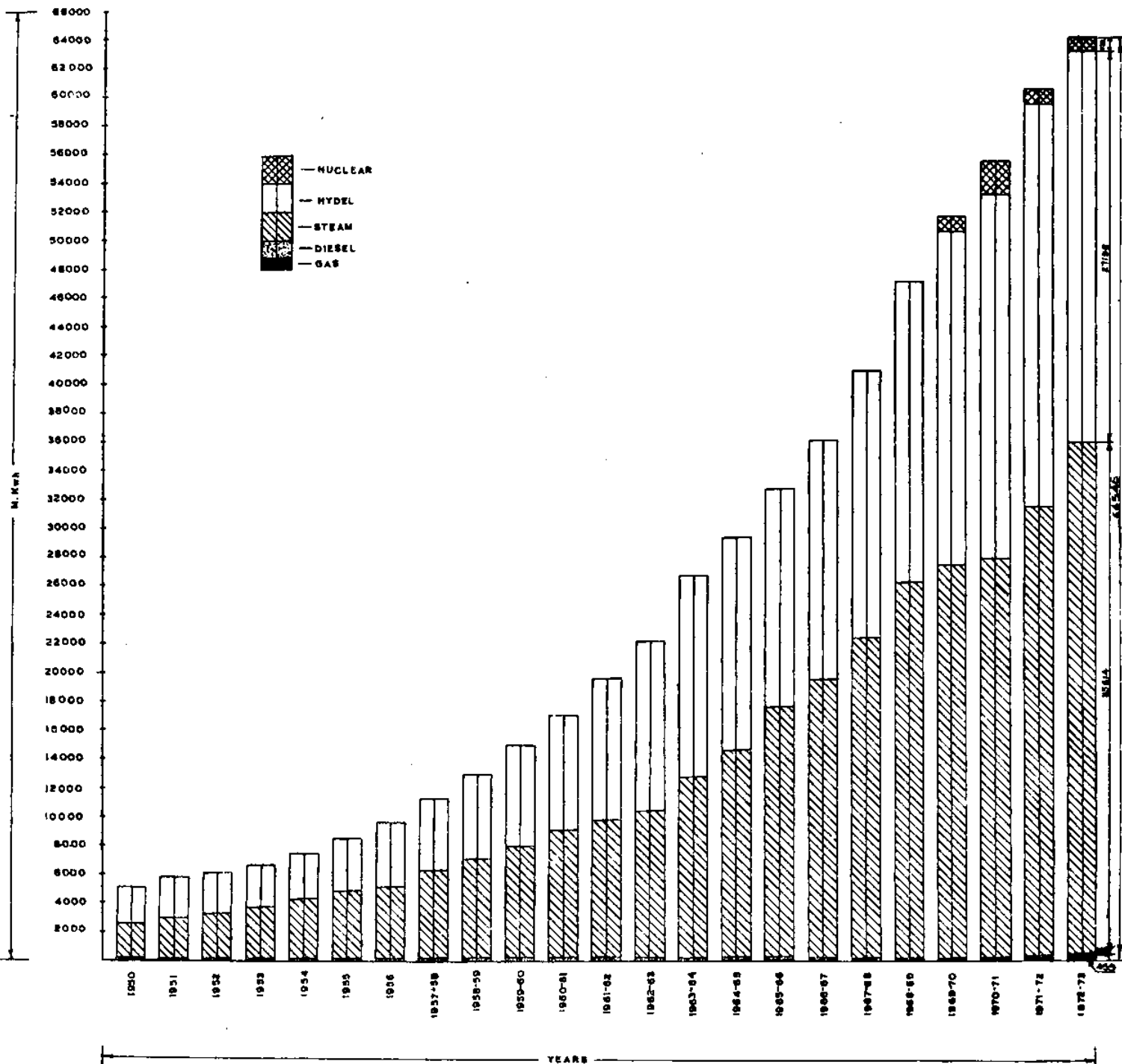
<i>Table No.</i>	<i>Description</i>	<i>Page No.</i>
36.	Energy Generation, Purchase, Utilisation and Losses by the State Electricity Boards and D.E.S.U.	77
37.	Energy Sales 1972-73 (Categorywise)	80
38.	Statewise Energy Sales by Utilities to Ultimate Consumers—1972-73 (Million kWh)	82
39.	Energy Sales by the State Electricity Boards (1972-73)	84
40.	Energy Sales by Organisations other than Boards and Licensees and B.M.B. to Ultimate Consumers—1972-73	86
41.	Energy Sales by the Private Sector—1972-73 (Million kWh)	88
42.	Annual per capita consumption of Electricity —1972-73 (in kilo Watt hours)	90
43.	Installed Plant Capacity (As on 31-3-1973) and Energy Consumption (1972-73) (Utilities only) per Square Kilometre and per Thousand of Population	93
44.	Progress of Electricity Supply—All India (Electric Utilities only)	96
45(1).	Progress of Electricity Supply—Andhra Pradesh	98
45(2).	Progress of Electricity Supply—Assam	99
45(3).	Progress of Electricity Supply—Bihar	100
45(4).	Progress of Electricity Supply—Gujarat	101
45(5).	Progress of Electricity Supply—Haryana	102
45(6).	Progress of Electricity Supply—Himachal Pradesh	103
45(7).	Progress of Electricity Supply—Jammu & Kashmir	104
45(8).	Progress of Electricity Supply—Kerala	105
45(9).	Progress of Electricity Supply—Madhya Pradesh	106
45(10).	Progress of Electricity Supply—Maharashtra	107
45(11).	Progress of Electricity Supply—Mysore	108
45(12).	Progress of Electricity Supply—Nagaland	109
45(13).	Progress of Electricity Supply—Orissa	110
45(14).	Progress of Electricity Supply—Punjab	111
45(15).	Progress of Electricity Supply—Rajasthan	112
45(16).	Progress of Electricity Supply—Tamil Nadu	113
45(17).	Progress of Electricity Supply—Uttar Pradesh	114
45(18).	Progress of Electricity Supply—West Bengal	115
45(19).	Progress of Electricity Supply—D.V.C.	116
45(20).	Progress of Electricity Supply—Delhi	117
46.	Index Number of Public Electricity Supply Utilities—All India	118
47.	Length of Transmission and Distribution Lines of Utilities as on 31-3-1973 (Circuit Kilometres)	119
48.	Length of Transmission Lines (11 KV and above) Commissioned during 1972-73	122
49.	Total Installed Transformers Capacity (Max Contd. Rating) Utilities as on 31-3-1973	124
50.	Important Transformers Commissioned during 1972-73	126
51.	Classification of Consumers of Utilities as on 31-3-1973	129
52.	Classification of Connected Load of Utilities as on 31-3-1973	133
53.	Towns Electrified in the various population groups (1961 Census) as on 31-3-1973.	137
54.	Villages Electrified in the various population groups (1961 Census) as on 31-3-1973	139
55.	Electricity Production and Consumption in Selected Industries—1972-73	141
56.	Statewise Electricity Production and Consumption in Selected Industries—1972-73	143
57.	Distribution of Energy Generation in Industrial Establishments according to the Range of their Installed Plant Capacity—1972-73	145
58.	Installed Generating Plant Capacity of Selected Industries as on 31-3-1973	146
59.	Energy Consumed in Selected Industries during 1972-73	150
60.	Installed Plant Capacity and Energy Generation by the Indian Railways during 1972-73.	154
61.	Statewise Installed Plant Capacity and Energy Generation by the Indian Railways during 1972-73	157
62.	Electrical Accidents during 1972-73	160

(viii)

SECTION II
FINANCIAL STATISTICS (1971-72)

<i>Table No.</i>	<i>Description</i>	<i>Page No</i>
I	Statement of Capital Outlay (<i>i.e.</i>) Original Cost of Plant, Equipment etc. on Electricity Supply Systems and Undertakings owned and operated by State Govt. 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, 1972 (Capital Expenditure)	164
II	Public Electricity Supply Industry—Consolidated Annual Accounts for the year ended 31-3-72—Capital Account	166
III	Revenue Account—1971-72	169
IV	Net Revenue and Appropriation Accounts—1971-72	173
V	General Balance Sheet as on 31-3-1972	176
VI	Average Price of Electricity	178
VII	Some Important Financial Features for the years 1969-70 to 1971-72	179
VIII	Consolidated Capital Outlay by Ownership for the years 1967-68 to 1971-72	180
IX	Consolidated Capital Outlay of Electricity Supply Undertakings for the years 1967-68 to 1971-72	181
APPENDIX		
	Addresses of Public Electricity Supply Undertakings as on 31-3-1973	181

PROGRESS OF POWER GENERATION IN THE COUNTRY (UTILITIES)



1. GENERAL POWER SUPPLY POSITION

The total installed plant capacity of the Utility Power Stations as at the end of the year under review was 16,281.71 MW, including 96.0 MW of plant in the Chola Power Station of the Central Railways and 600.00 MW of plant in the Neyveli Power Station. The net addition to generating capacity of Utilities was 1,027.34 MW which represents an increase of 6.7 per cent over the installed plant capacity in the previous year. The total power generated (gross) by all the Utility undertakings was approximately 64,546.00 million kWh (net generation 61,148.06 million kWh) and the quantum of power purchased by them from self generating industries (non-utilities) was 177.85 million kWh. After meeting the energy consumption in the station auxiliaries, and the losses in transformation-transmission and distribution and the energy unaccounted for, the net energy sold by utilities to ultimate consumers, was approximately 49,088 million kWh. The increase in the sales to ultimate consumers during the year was approximately 2,025 million kWh equivalent to an increase of 4.3 per cent over the sales to ultimate consumers in the previous year.

There was also an appreciable increase in installed capacity and energy generated in the plants owned by Industries. The installed capacity rose from 1,577 MW to 1,653 MW and 5,931 million kWh were produced as compared to the previous year. Thus the total consumption for the entire country including self-generation was 54,204.31 million kWh showing an increase of 4.73 per cent.

The year 1972-73 was a bad year for hydro generation on account of poor rainfall throughout the country. There was reduction of 828 million kWh in hydro generation in spite of an addition of 173.8 MW installed capacity. This was somewhat made good by higher generation on the thermal side.

Though generation in Tarapore was far below the capacity due to unforeseen reasons the nuclear generation showed an increase slightly.

The salient features of the Electric Power Supply Industry and of self-generating non-utilities in India for the year 1951, 1956, 1960-61, 1965-66, 1971-72 and 1972-73 are summarised in Table 1.

2. POWER GENERATION

2.1 Installed Plant Capacity and Generation by Ownership and Type of Plant

Table (2) gives the installed plant capacity and generation by types of plant and ownership. This Table also gives further details of installed plant capacity and generation expressed as percentage of the All India totals.

Table 3 gives the installed plant capacity and generation classified according to ownership of plant. It will be seen that 90.98 per cent of the installed plant was in the public sector and this generated 88.84 per cent of the total generation. In the private sector, the installed plant capacity and generation were 9.02% and 11.16% of All India respectively. The prime-moverwise position is given below:—

1	Public Sector		Private Sector		Total	
	Installed Capacity %	Generation (Net) %	Installed Capacity %	Generation (Net) %	Installed Capacity %	Generation (Net) %
	2	3	4	5	6	7
Hydro	40.0	42.3	1.7	2.0	41.7	44.3
Steam	44.8	43.9	7.2	9.2	52.0	53.1
Diesel	1.3	0.2	0.1	Neg.	1.4	0.2
Gas Turbine	1.1	0.7	..	..	1.1	0.7
Nuclear	3.8	1.7	..	..	3.8	1.7
ALL INDIA	91.0	88.8	9.0	11.2	100.0	100.0

2.2 Installed Plant Capacity and Generation

Table No. 4 gives the installed plant capacity and generation by utilities in public and private sectors. The total installed plant capacity at the end of the year and the corresponding generation (Net) in the public utility undertakings were 16,281.71 MW and 61,148.06 million kWh respectively as per details shown below:—

	Total Installed Capacity (MW)	Generation (Net) (million kWh)
(1) State Electricity Board	10,788.61	40,581.11
(2) Government Undertakings, Electricity Departments/Damodar Valley Corporation	3,711.98	12,430.01
(3) Municipalities	312.05	1,313.83
(4) Companies	1,469.07	6,823.11
TOTAL	16,281.71	61,148.06

Table 5 gives further details of installed plant capacity, aggregate maximum demand and generation by type of plant arranged statewise. Table No. 6 gives the statewise details of auxiliaries consumption and generation. Tables 7, 8, 9 and 10 give details of plant capacity and generation according to type of plant and ownership.

2.3 Jointly-owned Projects

Table 11 summarises the share of the participating States in the jointly owned power stations in India. This table gives the installed plant capacity, energy generated, energy used by station auxiliaries and the energy sent out to the participating states and common consumers. 2,664.25 MW of plant capacity was under joint ownership. The energy sent out from these projects was 10,151.9 million kWh.

2.4 Generation Maximum Demand and Load Factor

The aggregate generation maximum demand of the public sector utility undertakings was 12,624.63 MW and that of the private sector undertakings was 1,241.13 MW. (The data on simultaneous maximum demands gridwise are not available.) Table 12 gives the demand registered in the respective sectors, in each of the States.

The aggregate maximum demand, kWh generated per KW of plant capacity, load factor and plant demand factor, for Hydro, Steam, Diesel, Gas Turbine and Nuclear stations, grouped separately on all-India basis is given below:—

Type of Power Plant	Aggregate Installed Plant Capacity (MW)	Energy generated (Million kWh) (Gross)	Aggregate Maximum Demand (MW)	kWh gene- rated per kW of plant capacity	% load factor based on Cols. 3 & 4	% plant demand factor Cols. 4 & 2
1	2	3	4	5	6	7
Hydro	6,785.41	27,195.95	6,661.44	4,008	46.6	98.2
Steam	8,467.98	35,614.12	6,628.34	4,206	61.3	78.3
Diesel	230.32	144.65	135.68	628	10.6	58.9
Gas Turbine	178.00	458.54	105.30	2,576	49.7	59.2
Nuclear	620.00	1,132.74	335.00	1,827	38.6	57.5
TOTAL	16,281.71	64,546.00	13,865.76	3,964	53.1	85.2

2.5 Addition of Generating Capacity

During the year 1,137.63 MW of generating capacity was added and plants with a capacity of 110.29 MW were retired resulting in a net increase of 1,027.34 MW.

The installed plant capacity added in the different States was as follows: (The addition of installed capacity in jointly owned projects has been distributed among the participating States as per their shares).

	Hydro	Steam	Diesel (MW)	Gas Turbine (MW)	Nuclear	Total
1	2	3	4	5	6	7
Andhra Pradesh	..	62·50	..	..	..	62·50
Assam	..	35·00	..	..	..	35·00
Bihar	4·80	..	..	..	..	4·80
Gujarat	..	280·00	..	..	..	280·00
Haryana	..	..	..	..	..	..
Himachal Pradesh	..	..	..	..	..	..
Jammu & Kashmir	..	..	..	..	..	..
Kerala	75·00	..	..	..	..	75·00
Madhya Pradesh	66·00	..	..	..	..	66·00
Maharashtra	..	30·00	0·66	..	..	30·66
Mysore	..	..	..	..	..	..
Nagaland	..	..	0·06	..	..	0·06
Orissa	..	..	..	..	..	..
Punjab	15·00	..	34·50	..	..	49·50
Rajasthan	..	..	..	..	200·00	200·00
Tamil Nadu	..	110·00	..	..	..	110·00
Uttar Pradesh	..	155·00	..	..	..	155·00
West Bengal	10·00	..	0·46	..	..	10·46
<i>Union Territories</i>						
Delhi	..	55·00	..	..	..	55·00
Rest	..	..	0·38	..	..	0·38
TOTAL	170·80	727·50	36·06	..	200·00	1134·36
Wrong reporting and rerating	(+)3·00	..	(+)0·27	..	..	(+)3·27
	173·80	727·50	36·33	..	200·00	1,137·63

NOTE.—Figures given in brackets indicate the addition due to wrong reporting (*i.e.* additions having taken place earlier but not reported).

The plant additions under Hydro, Steam and Diesel and Nuclear as above constitute 15.1%, 64.2%, 3.0% and 17.7% of the total installed plant capacity added.

For further details about Hydro, Steam, Gas Turbine and Nuclear plants added during the year, tables 13 and 14 may be referred to. The boilers commissioned during 1972-73 are given in Table 15.

2.6 Plant Withdrawn

The plant withdrawn during the year was as follows:—

Hydro	..
Steam	77·90 MW
Diesel	32·39 MW
TOTAL	110·29 MW

2.7 Electricity Undertakings

The total number of undertakings engaged in the business of generation and supply of electricity as at the end of the year was 196. This includes, private licensees, municipalities, local authorities, cooperatives and electricity departments of some State Governments and Union Territories. Chola Power Station of Central Railways and Neyveli Lignite Corporation have been considered under public utilities, and Renukoot plant has been included in non-utilities.

Seventeen private undertakings were acquired by the State Electricity Boards, during the year, the details of which are furnished in Table 16.

Out of the existing undertakings, 17 are engaged both in generation and distribution, 53 in purchase, generation and distribution and the remaining 126 only in distribution. The number of operating undertakings according to ownership are as follows:—

Ownership	Generating and Distributing	Generating, Purchasing and Distributing	Purchasing and Distributing	Total
1	2	3	4	5
(i) Public Sector				
(a) State Electricity Board/Electricity Deptt./Govt. Undertaking	13	21	4	38
(b) Power Corporation	..	1	..	1
(c) Municipality	..	7	33	40
Sub-Totals	13	29	37	79
(ii) Private Sector				
(Company)	4	24	89	117
TOTAL	17	53	126	196

The number of electricity supply undertakings classified according to ownership in different States, along with the installed plant capacity and power generation is given in Table 4.

A large number of company-owned utility undertakings were operating in Maharashtra(26), Gujarat (19), West Bengal (17) and Uttar Pradesh (16). In other States, their number was 9 or less each. Haryana, Himachal Pradesh, Manipur, Tripura, Jammu and Kashmir, Nagaland, Orissa and Union Territories (except Goa, Daman and Diu) do not have any private utility undertakings.

2.8 Classification of Undertakings owning Generating Stations according to the Range of Installed Capacity, Generation and Maximum Demand.

Table 19 gives the number of undertakings owning generating stations grouped according to the range of installed plant capacity. The aggregate plant capacity and generation under each group are also given.

Table 20 gives the classification of generating undertakings according to their aggregate generation for all undertakings and Table 21 gives the classification of generating undertakings according to maximum demand, for State Electricity Boards/State Governments/Govt. Undertakings and Power Corporation, 34 undertakings whose generation exceeded 50 million kWh each accounted for 99.72 per cent of the total energy generated by utilities in India.

2.9 Classification of Power Stations

2.9.1 Hydro Power Stations

Table 22 gives the classification of hydro stations according to the range of installed capacity.

Among 111 hydro stations, 67 stations had capacities exceeding 10.00 MW each and accounted for 98.85% of total installed hydro plant capacity. These stations generated 98.82% of the total energy produced by all the hydro power stations in India.

The position for hydro stations is summarised below:

	1971-72	1972-73	% increase over 1971-72
1	2	3	4
Number of Hydro Stations	109	111	1.8
Aggregate Plant Capacity (MW)	6,611.61	6,785.41	2.6
Total energy generated (M kWh)	28,024.22	27,195.95*	(-)2.9
Average plant load factor (%)	48.39	45.75	(-)5.5

*Lower generation during the year was due to poor rainfall in most parts of the country.

2.9.2 Steam Power Stations

Table 23 gives the classification of steam power stations according to the range of installed plant capacity. This Table also gives the steam raising capacity of boilers and the average plant factor for each range of plant capacity. There were 66 stations whose capacities exceeded 10.00 MW each. Among these stations 39 stations exceeded 50.00 MW. There were only four stations with capacities upto 1.00 MW.

The 66 stations whose individual capacities exceeded 10 MW generated 99.10% of the total energy generated by the steam power stations. Among them the 39 stations whose individual capacity exceeded 50.00 MW generated 93.59% of the total energy produced by all steam power stations.

Table 23 also gives the aggregate steam raising capacity of boilers which was 35,361.19 tonnes per hour, which corresponds to 4.2 Kg. per hour per kW of generating plant capacity.

The data relating to steam power stations are summarised below as compared with the position in the previous year:—

	1971-72	1972-73	% increase over 1971-72
No. of Stations	92	95	3.3
Aggregate Installed Capacity (MW) at the end of the year	7,818.38	8,467.98	8.3
Total energy generated (million kWh)	31,237.28	35,614.12	14.0
Capacity of boilers (tonnes per hour)	33,625.6	35,361.19	5.2
Average capacity of boilers per KW of generating plant capacity (kg/hour)	4.3	4.2	(-)2.3
Fuel consumed Coal, Lignite, Wood (Tonnes)	19,210,826	21,069,069	10.0
Furnace Oil (Kilo litres)	1,416,539	1,721,699	21.2
Total Heat input (K. Cal × 10 ⁶)	105,521	120,371	14.0
Overall Thermal Efficiency (%)	25.46	25.44	(-)0.08
Average plant load factor (%)	45.6	48.00	5.3

2.9.3 Efficiency of Thermal Stations

The average overall efficiency of all the steam power stations was 25.44 per cent as compared with 25.46 per cent for the year 1971-72. For details Table 23 may be seen wherein the overall efficiency of thermal stations is given according to capacity grouping of power stations. In the case of stations of capacity above 100.00 MW each, the average overall efficiency was 27.57.

Table 24 shows the distribution of steam power stations according to their average overall efficiency. 35 power stations with aggregate installed capacity of 82.11% of the total steam plant installed, were working with efficiencies above 20% and generated 86.98% of the total energy. 19 stations worked at efficiencies between 25% to 30% and only 8 stations above 30% efficiency.

The maximum steam pressure and temperature adopted in the steam power stations was 179.3 kg. per sq. cm. and 571°C respectively.

2.9.4 Nuclear Power Stations

Details of Nuclear Power House at Tarapur are given in Table No. 10. During the year the first unit of the Second Nuclear Power House in the country located in Rajasthan became critical. The energy fed into Rajasthan grid was negligible.

2.9.5 Gas Turbine and Diesel Power Stations

Table 25 gives the classification of gas turbine stations according to the range of installed plant capacity. The performance of the gas turbine power station during the year is given below:—

	1971-72	1972-73	% increase over 1971-72
Number of generating stations	6	6	..
Aggregate installed capacity (MW)	178	178	..
Total energy generated (million kWh)	363.76	458.54	26.0

The position for diesel plants is compared below with that of the previous year :

	1971-72	1972-73	% increase over 1971-72
(i) No. of Power Houses	217*	220†	1.7
(ii) Aggregate installed capacity (MW)	226.38	230.32	1.8
(iii) Total energy generated (million kWh)	111.05	144.65	30.5
(iv) Fuel consumed (kilo litres) ‡ (estimated)	39,979	61,741	54.0
(v) Average fuel consumption per kWh generated (litres) (estimated)	0.34	0.36	6.0
(vi) Average plant factor (%)	6.6	7.2	28.50

*Excluding Power Station (Diesel) Assam and Orissa.

†Excluding No. of Power Stations of Assam and U.P. Electricity Board whose capacity is included in col. (ii).

‡Includes Diesel oil consumed in Gas Turbines.

2.10 Installed Power Plant According to AC and DC Generation

Out of 434 power stations under review 429 stations generated alternating current and only 5 generated direct current. These stations are located in Dharbhanga (Bihar), Ambala (Haryana), Dubhoi (Gujarat), Dibrugarh (Assam) and Malda (West Bengal). No power station generated both alternating and direct currents. Table 26 shows the corresponding plant capacity and generation.

Table 27 gives the number of generating sets by type of prime-mover and ownership. This table also indicates AC and DC generating sets with their capacity.

2.11 Voltage of Generation

Generation voltage in India ranged from 230 volts to 33,000 volts in the case of A.C. generating sets, while for the D.C. Generating sets it ranged from 110 volts to 500 volts. The most common voltage for A.C. generation from steam and hydro sets is 11 k V. Classification of generating sets according to the voltage of generation is given in Table No. 31, in case of stations where setwise data were made available.

Tables 28, 29 and 30 give the classification of plant according to the size of the sets for Hydro, Steam and Gas Turbine, categories respectively, giving break-up by ownership and AC/DC. The information contained in these tables are summarised below, for the station where setwise data were available:—

Sector & Installed Capacity	A.C. PLANT					D.C. PLANT			
	Hydro	Steam	Nuclear	Gas Turbine	Diesel*	Hydro	Steam	Diesel	Total
1	2	3	4	5	6	7	8	9	10
<i>Public Sector :</i>									
No. of sets	339	238	3	10	653*	..	..	20	1,263
Installed capacity (MW)	6,507.90	7,290.49	620.00	178.00	213.34	..	..	2.91	14,812.64
<i>Private Sector :</i>									
No. of sets	24	92	..	..	43	..	3	4	166
Installed capacity (MW)	277.51	1,177.22	..	..	13.83	..	0.27	0.24	1,469.07
Total No.	363	330	3	10	696	..	3	24	1,429
Total capacity (MW) .	6,785.41	8,467.71	620.00	178.00	227.17	..	0.27	3.15	16,281.71

*Excludes No. of diesel sets of Assam State Elec. Board (26.24 MW), H.P. Elec. Board (1.19 MW), Orissa Elec. Board (1.05 MW), U.P. Elec. Board (2.99 MW) and M.P. Elec. Board (1.32 MW) for want of data.

2.12 Fuel Consumption

The fuel consumed in the thermal power stations in the various States in the year 1972-73 are given in Table 32. The steam power stations consumed approximately 18,666,237 tonnes of coal, 2,391,000 tonnes of lignite, 11,832 tonnes of wood and about 1,721,699 kilo litres of furnace oil. The average calorific values of coal, lignite, furnace oil and wood in K. Cal/kg were 4870, 2353, 10,600 and 1250 respectively. The gas turbine consuming diesel oils and the diesel stations together consumed about 61,741 kilo litres of diesel oil for power generation. The average heat in-put per kWh generated in the plants (including reciprocating steam plants) was 3,379 kilo calories and the average diesel oil consumption by the gas turbine and diesel power stations was 0.36 litre per kWh.

3. Energy Utilisation

3.1.1 Table 33 gives the summary of energy generated and power purchased from non-utilities power sold to ultimate consumers and the amount of power lost in transformation, transmission and distribution including unaccounted consumption. 5.7% of the total energy generated and purchased was utilised by the power station auxiliaries. 80.06% of the net energy available for supply was sold to ultimate consumers. Thus the losses and energy unaccounted for from all sources were 19.94% of the total energy available for supply as compared to 18.8% in the previous year.

Table 35 gives further details of energy generated, purchased, and utilised and losses in transmission, transformation and distribution in the different States by all the Public Electricity Supply Undertakings and Private Sector.

3.1.2 Table 36 gives details of energy generated, purchased and utilised by State Electricity Boards.

3.1.3 Inter-State Transfers of Energy

Table 34 gives data about the energy transfers and aggregate maximum demand of such transfers. The aggregate of inter-State energy transfers from undertakings in one State to those in the other was 9,146 million kWh. This compared to the total sales to ultimate consumers works to 18.6%. For comparison, the aggregate of inter-State energy transfer both as quantity and percentage of net generation from 19,60-61 onwards is given below:—

Year	Total net Generation	Aggregate of inter-State transfers of energy (M. kWh)	Column 3 as percentage of 2
1	2	3	4
1960-61	16,215	921	5.7
1961-62	19,056	781	4.1
1962-63	21,452	3,282	15.3
1963-64	25,750	3,273	12.7
1964-65	28,259	3,446	12.2
1965-66	29,155	3,751	12.9
1966-67	34,583	4,479	13.0
1967-68	39,120	5,139	13.1
1968-69	44,901	5,476	12.2
1969-70	49,239	6,452	13.1
1970-71	52,964	9,747	18.4
1971-72	57,796	9,750	16.8
1972-73	61,148	9,146	14.9

3.2 Energy Sales

Table 37 gives the sales of Utilities to ultimate consumers who are classified under eight broad categories. 8.78% of the total sales of Utilities was for domestic light and small power, 5.67% for commercial lighting, heating, and small power, 65.68% for industrial, 1.06% for public lighting, 3.73% for railways and tramways, 12.05% for agricultural (pumping), 2.23% for public water works and sewage pumping and 0.8% for miscellaneous (including free supply).

The percentage increase in energy sold by utilities during the year over the previous year for the categories (i) domestic light and small power, (ii) industrial power, (iii) traction and (iv) agricultural (pumping) was 4.91, 1.92, 12.12 and 18.23 respectively. The net percentage increase in power sales by utilities to all classes of consumers was 4.30 over that in the previous year. The corresponding figure for the previous year was 7.6%.

Table 38 gives the segregation of net energy sold in each State according to different categories of consumption. The industrial power supply is sub-divided into low and medium voltage, and high voltage categories.

Similar segregation of net power sold in each State by State Electricity Board is given in Table 39 by Public Sector other than State Electricity Boards in Table No. 40 and that by the Private Sector in Table No. 41.

3.3 Electricity Consumption per capita (Utilities plus non-utilities)

The average per capita consumption of electricity for the Indian Union is estimated at 96.35 kWh in 1972-73 as compared to 93.78 kWh for the year 1971-72. The per capita consumption thus increased by 2.7% over that in the previous year.

Table 42 gives the annual per capita consumption of electricity in public utilities under five classes of utilisation in the different States based on the estimated mid-financial year population figures i.e. for 30th September, 1972, the midpoint of 1972-73. This table also gives the contribution made by self generating industrial establishments including Indian Railways to the per capita consumption in each of the States.

The per capita consumption as computed on this basis for the year 1951, 1956, 1960-61, 1965-66, 1968-69, 1969-70, 1970-71, 1971-72 and 1972-73 are given below:—

Year	Per capita consumption		
	Public Utilities (kWh)	From self-generation of Non-utilities (kWh)	Total (kWh)
1	2	3	4
1972-73	86.91	9.44	96.35
1971-72	84.36	9.42	93.78
1970-71	80.92	8.84	89.76
1969-70	76.01	7.51	83.52
1968-69	70.81	7.07	77.88
1965-66 (last year of III Plan)	53.66	7.23	61.33
1960-61	31.85	6.30	38.15
1956	20.70	5.70	26.40
1951	13.25	4.53	17.78

The per capita consumption varied from State to State being 6.19 kWh in Tripura to 173.78 kWh in Maharashtra. Among the Union Territories Chandigarh and Delhi were very much ahead of other's with overall per capita consumption of 317.0 and 304.8 kWh respectively.

3.4 Per Capita Installed Capacity (Utilities)

Table 43 gives the installed capacity in Utilities per sq. kilometre and per thousand of population for each of the State in India.

During the period under review, the All India aggregate installed plant capacity of Utilities was 4.98 kW/sq. kilometre and 28.8 kW per thousand of population against 4.6 and 27.3 respectively in the previous year. For this purpose, the estimated population figures worked out by the Census Authorities have been used.

3.5 Progress of Electricity Supply Industry

Table 44 gives the All-India progress of electricity in utilities with details of installed plant capacity, aggregate maximum demand, kilowatt hours generated per kW of capacity etc. from the year 1939 onwards.

Tables 45(1) to 45(20) gives the installed capacity, Electricity generation, purchase and sale of power etc. for each State separately for the year 1951, 1956, 1960-61, 1965-66, 1971-72 and 1972-73.

Table 46 gives All India index numbers (taking 1951 as the base year) for some of the salient features of the electricity supply industry (utilities), like installed plant capacity, generation and sale etc.

4. TRANSMISSION AND DISTRIBUTION

4.1 Transmission and Distribution Lines

The length of transmission and distribution lines under different voltage is given below. The comparative position in the previous year may also be seen.

(Circuit Kilometres)

Voltage	1971-72		1972-73		Increase percentage
	O.H.	U.G.	O.H.	U.G.	
1	2	3	4	5	6
22 kV	30,382	704	32,468	843	7.2
33 kV	71,627	555	77,312	830	8.3
44/37.5 kV	3,556	..	3,467	..	(-)-2.5
78/66 kV	23,332	..	23,870	..	2.3
110/90 kV	12,729	..	13,232	..	4.0
132 kV	29,936	..	31,450	..	5.0
220/230 kV	11,762	..	12,721	..	8.2
	1,83,324	1,259	1,94,520	1,673	6.1

O.H. = Overhead Line

U.G. = Underground

The length of the lines in different States is given in Table 47. The total length of transmission and distribution lines added during the year was 118,075 circuit kilometres.

Length of transmission lines 11 kV and above, commissioned during the year are given in Table 48.

4.2 Transformers

The number of transformers installed at the end of the year was 301,664 in the public electricity supply undertakings. Their aggregate capacity was 90,300 MVA as classified below:—

	Number	Aggregate Capacity (MVA)
Step-up transformers	1,107	19,822.83
Step-down transformers	7,001	45,195.67
Distribution transformers	293,556	25,281.34
TOTAL	301,664	90,299.84

All step-down transformers having a secondary voltage above 550 volts have been classified as step-down transformers and those having secondary voltage below 550 volts have been classified as distribution transformers. Further details are given in Table 49. Some of the large power transformers commissioned during the year are indicated in Table 50.

4.3 Consumer and connected load Data (Utilities)

The particulars relating to the consumers and their connected loads as at the end of the year presented in Tables 51 and 52 are summarised below:—

1	Number of Consumers			Total connected load (MW)
	A.C.	D.C.	Total	
	2	3	4	5
Domestic light and small power	11,837,225	425,068	12,262,293	7,213.91
Commercial light and small power	2,765,921	27,894	2,793,815	2,399.10
Industrial Power				
(i) LV & MV	623,725	16,001	639,726	5,612.29
(ii) HV	10,939	2	10,941	7,341.57
Public lighting	114,815	24	114,839	224.65
Traction	45	..	45	452.90
Agricultural (Pumping)	2,148,677	1	2,148,678	8,385.86
Public Water Works and Sewage Pumping	15,530	6	15,536	354.54
Miscellaneous	16,206	38	16,244	269.69
TOTAL	17,533,083	469,034	18,002,117	32,254.51

The number of consumers at the beginning of the year was approximately 16,277,909. During the year approximately 1,724,203, new consumers were connected thus recording a rise of 10.5% in their number.

4.4 Towns and Villages Electrified

Tables 53-54 show the Statewise distribution of towns and villages electrified by the end of the year. The total number of towns and villages electrified was 2,695 and 139,695 respectively as per 1961 census.

5. POWER GENERATED AND USED IN SELECTED INDUSTRIES (EXCLUDING RAILWAYS)

Statistical data from 1138 industrial establishments were received and have been analysed. These establishments consume 22,916 million kWh of energy. Out of this 17,853 million kWh were purchased from public electric utilities and 5931.7 million kWh were generated in the power plants owned by 514 self-generating non-utilities. It should be stated that while the coverage of self-generating industries is enough, but not complete, it is not possible to cover all the thousands of industrial establishments consuming electricity. The consumption mentioned above therefore, represents the consumption of the establishments covered and does not represent the total consumption in the selected industry as a whole.

The generating plant capacity of the covered self-generating industries increased by 76 MW (increase includes error due to reporting).

The industrywise and statewise data of generating plant capacity, maximum demand, energy generation and purchase relating to selected industries are given in Tables 55 and 56 respectively.

The total installed plant capacity in the industrial power stations was 1652.77 MW. This capacity was about 9.2% of the total installed plant capacity in the power stations owned by both the public utilities and industrial undertakings including the Indian Railways.

The cotton textiles, Aluminium (Primary), Iron and Steel (Primary), Fertilizers, Chemicals, Cement (Primary), Jute and Collieries industries were large purchasers of power from electricity supply undertakings. Aluminium (Primary), Oil and Petroleum, Sugar, Paper and Iron (Primary) industries generated considerable portion of their requirements in their own power stations.

The distribution of energy generation in industrial establishments according to range of plant capacity is given in Table 57. Thirtytwo undertakings with plant capacity of 10.001 MW and above produced 77.4% of the total power generated in the industrial power stations. One seventy one industries with plant capacity in the range of 1.001 to 10.000 MW generated 21.36% of the total power and the remaining 311 industries generated only 1.22% of the total electricity production by all the industries covered.

Tables 58 and 59 give the installed generating plant capacity and consumption of energy in 24 classified industries and in the miscellaneous category in each State. The power consumption and load factor of a few important industries are summarised below:—

Name of Industry	Energy Consumption (Million kWh)	Load Factor
1. Aluminium (Primary)	3,445.9	97.16
2. Cement (Primary)	1,259.1	63.31
3. Chemicals	1,760.0	50.64
4. Collieries	638.7	54.19
5. Cotton Textiles	3,965.4	62.76
6. Engineering Heavy	532.9	46.31
7. Fertilizers	2,917.9	66.58
8. Iron & Steel (Primary)	3,335.7	57.96
9. Jute	694.9	58.67
10. Non-ferrous	746.9	65.66
11. Paper	1,111.6	67.84
12. Sugar	420.3	29.43

6. RAILWAYS

Electricity statistics in respect of the Indian Railways is shown separately in Tables 60 and 61. This, however, does not include the Chola Power Station of the Central Railways which is covered under public utilities.

The salient features of the Railways Power Stations are summarised below:—

Aggregate installed plant capacity (MW)	55.56
Aggregate Maximum Demand (MW)	34.31
Generation (Million kWh)	37.84
Consumption in power station auxiliaries (Million kWh)	2.94

The Steam Power Stations of the Railways generated 23.61 million kWh and the Diesel Stations 14.23 million kWh.

7. ELECTRICAL ACCIDENTS

Table 62 gives a consolidated summary of the frequency of accidents in the various sections of the electricity supply undertakings as compared to the industrial undertakings. The total number of fatal accidents for human beings was 1190 as compared to 1267 during the previous year.

8. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS—1971-72

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.

At the end of the year of report the electricity supply industry held assets worth Rs. 357,810 lakhs as against Rs. 315,418 lakhs at the end of 1970-71 covering 13,398,570 kW of installed plant capacity and a sale of 46.703 Million kWh. This takes into account the data received from 192 out of 209 undertakings owned and operated by the State Electricity Board/Government Departments, Power Corporations, Municipalities, and Private Licensees. Of the remaining undertakings, 4 companies, 3 municipality owned undertakings, Electricity Departments of the Jammu and Kashmir, Nagaland, Chandigarh, Dadra and Nagar Haveli, N.E.F.A., Sharavati Bhadra, Neyveli, Tarapur etc. covers only 12% of the total installed plant capacity. In case of some Union Territories where 1971-72 figures were not available, older figures, as available, have been repeated in working out the tables. The break-up of the assets according to ownership-wise is given below:—

	1970-71 (Rs. in lakhs)	1971-72
1. Government Boards and Corporations	273,531	314,091
2. Municipalities	12,189	12,717
3. Private Companies	29,698	31,002
TOTAL	315,418	357,810

9. 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 as well as the State Governments. The private licensee's assets are financed from the share capital as well as debentures and secured loans raised from the public.

The capital account of the private companies for the year 1971-72 indicates that the equity and preference share capital as at the end of the year 1971-72 was Rs. 4585 lakhs and Rs. 975 lakhs as against Rs. 4,517 lakhs and Rs. 981 lakhs respectively at the end of 1970-71 (Table II).

10. REVENUE

10.1 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	1970-71	1971-72
	(Rupees)	in lakhs)
(i) Domestic and residential	9,226	10,137
(ii) Commercial	5,561	6,176
(iii) Industrial	27,889	31,840
(iv) Public Water Works and Sewage Pumping	1,215	1,057
(v) Traction	1,416	1,607
(vi) Public Lighting Maintenance	1,057	1,199
(vii) Irrigation	6,312	7,184
(viii) Other revenue	23,728	17,513
TOTAL	76,404	76,713

10.2 The total operating revenue and expenses during the year (ownershipwise) are given below:—

A. Revenue	1970-71	%	1971-72	%
	1. Government Deptts./State Electricity Boards/Power Corporations	57,550	75.32	56,404	73.53
2. Municipalities	4,732	6.19	4,982	6.49
3. Companies	14,122	18.49	15,327	19.98
TOTAL	76,404	100.00	76,713	100.00

B. Operating expenses	1970-71	1971-72
	(Rupees in lakhs)	
1. Government Departments/State Electricity Boards/Power Corporations		
(i) Expenses	29,743	33,201
(ii) Depreciation	8,125	9,615
(iii) Interest Charges Paid	13,032	13,444
TOTAL	50,900	56,260
2. Municipalities		
(i) Expenses	3,226	3,458
(ii) Depreciation	283	318
(iii) Interest Charges Paid	497	552
TOTAL	4,006	4,32

	1970-71	1971-72
	(Rs. in lakhs)	
3. Companies		
(i) Expenses	11,217	12,142
(ii) Depreciation	887	909
(iii) Interest Charges Paid	590	606
TOTAL	12,694	13,657
GRAND TOTAL (1+2+3)	67,600	74,245

11. REVENUE PER KWH SOLD UNDER EACH CATEGORY

The average overall revenue by sale of electricity (excluding miscellaneous revenue) for the year 1971-72 was 14.07 paise per unit. Table VI gives the revenue realised by each category of consumers for the electricity supply industry as a whole.

12. TENTATIVE FINANCIAL RESULTS OF THE GOVERNMENT DEPARTMENTS, STATE ELECTRICITY BOARDS, MUNICIPALITIES, COMPANIES ETC.—1972-73

A few broad particulars of the tentative financial results of operations of the Government Departments, State Electricity Boards, Municipalities, Companies, etc. for the year 1972-73 are detailed below:—

	State Electricity Boards/ Departments/ Power Corporations	Municipalities	Private Companies	Total
		(Rs. in lakhs)		
1. Total Capital fixed assets in use	350,047	13,860	31,800	395,707
2. Gross Operating revenue	62,327	5,470	16,655	84,452
3. Total operating expenses including depreciations and interest charges paid	62,663	4,920	15,065	82,648
4. Surplus/Deficit	(-)336	(+)550	(+)1,590	(+)1,804

SECTION 1
TECHNICAL STATISTICS

TABLE NO. 1

Salient features of the Electricity Supply Industry

Year	31-12-50 ††	31-12-55 ††	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
1. GENERATING CAPACITY (MW)						
<i>(a) Utilities :</i>						
Hydro	559·29	939·48	1,916·66	4,123·75	6,611·61	6,785·41
Steam Plant	1,004·43	1,546·81	2,436·26	4,417·11	7,818·38	8,467·98
Diesel Plant	148·80	208·53	300·14	352·16	226·38	230·32
Gas Turbine Plant . . . . .	..	..	..	134·00	178·00	178·00
Nuclear . . . . .	..	..	..	..	420·00	620·00
*TOTAL	1,712·52	2,694·82	4,653·06	9,027·02	15,254·37	16,281·71
<i>(b) Non-Utilities:</i>						
(i) Self generating Industry	587·85	723·51	1,001·37	1,082·36	1,576·79	1,652·77
(ii) Railways . . . . .	..	..	..	63·64	58·53	55·56
*TOTAL	587·85	723·51	1,001·37	1,146·00	1,635·32	1,708·33
ALL-INDIA GRAND TOTAL	2,300·37	3,418·33	5,654·43	10,173·02	16,889·69	17,990·04

††Nearest dates to beginnings of First & Second Plans for which data available.

*Totals may not tally due to rounding off.

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
2. GENERATION (GROSS) (MILLION kWh)						
<i>(a) Utilities:</i>						
Hydro Plant	2,859·70	4,294·88	7,836·6	15,224·97	28,024·22	27,195·95
Steam Plant	2,779·06	5,133·90	8,732·4	17,372·18	31,237·28	35,614·12
Diesel	219·65	233·36	368·0	323·68	111·05	144·65
Gas Turbine Plant . . . . .	..	..	..	69·30	363·76	458·54
Nuclear . . . . .	..	..	..	..	1,189·32	1,132·74
*TOTAL	5,858·40	9,662·14	16,937·0	32,990·13	60,925·63	64,546·00
<i>(b) Non-Utilities:</i>						
(i) Self generating Industry	1,655·57	2,209·51	3,186·10	3,733·19	5,415·72	5,931·75
(ii) Railways . . . . .	..	..	..	101·94	43·00	37·85
	1,655·57	2,209·51	3,186·10	3,835·13	5,458·72	5,969·60
ALL-INDIA GRAND TOTAL	7,513·97	11,871·65	20,123·12	36,825·25	66,384·35	70,515·60

*Totals may not tally due to rounding off.

TABLE No. 1—Contd.
Salient features of the Electricity Supply Industry

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
3. ENERGY USED BY POWER STATION AUXILIARIES (M. kWh)	218.32	386.45	721.86	1,647.46	3,129.79	3,397.94
4. GENERATION (UTILITIES) (NET)	5,640.08	9,275.68	16,215.14	31,342.84	57,795.84	61,148.06
5. ENERGY PURCHASED FROM NON-UTILITIES (M. kWh)	17.74	18.64	223.04	12.92	129.18	177.85
6. SALES (MILLION kWh):						
(a) Domestic light and small power	594.08	934.12	1,492.29	2,355.14	4,107.46	4,309.01
(b) Commercial light and small power	330.02	545.85	847.74	1,650.07	2,942.78	2,782.19
(c) Industrial:—						
(i) Upto 650 volts	575.26	931.84	1,641.12	2,709.81	4,452.56	4,545.92
(ii) Above 650 volts	2,483.63	4,391.59	8,055.28	16,166.08	27,184.62	27,698.29
(d) Public lighting	67.60	117.77	193.24	279.57	490.81	520.20
(e) Railways/Tramways	329.59	404.93	453.92	1,057.28	1,632.69	1,830.57
(f) Agricultural	203.05	316.18	832.92	1,891.84	5,005.62	5,918.10
(g) Public Water Works and sewage pumping	210.12	317.08	436.19	625.16	1,008.64	1,094.14
(h) Miscellaneous	*	*	*	*	238.02	389.64
*TOTAL	4,793.34	7,959.35	13,952.72	26,734.94	47,063.20	49,088.06
7. ENERGY LOST IN TRANSFORMATION, TRANSMISSION AND DISTRIBUTION AND UNACCOUNTED FOR	864.48	1,334.98	2,485.47	4,585.18	10,861.82	12,230.02
8. FUEL CONSUMPTION:						
(a) In steam power stations						
(i) Coal (Tonnes)	2,478,200	4,067,350	6,699,590	10,273,634	16,178,021	18,666,237
(ii) Lignite (Tonnes)	..	..	..	2,184,106	3,017,000	2,391,000
(iii) Wood (Tonnes)	..	..	..	14,196	15,805	11,832
(iv) Furnace Oil (K. Liters)	..	..	..	422,848	1,416,539	1,721,699
(b) Diesel power stations:						
(v) Diesel oil (K. Litres)	85,181	83,124	122,052	185,878	39,979	61,741
9. AGGREGATE MAXIMUM DEMAND (MW)	1,205.19	1,989.77	3,545.93	7,306.23	13,333.09	13,865.76
10. TRANSMISSION AND DISTRIBUTION LINES km (AT THE END OF YEAR)	@39,380.00	@50,000.00	146,737.26	541,475.90	1,304,169	1,422,204
11. AUTHORISED UNDERTAKINGS* (AT THE END OF YEAR)						
(a) Public Sector:						
(i) Generating and Distributing	..	..	..	..	15	13
(ii) Generating, Purchasing and Distributing	269	69	74	80	28	29
(iii) Purchasing and Distributing	..	..	..	..	37	37
SUB-TOTAL (a)	269	69	74	80	80	79

@Excludes L.T. Lines upto 500 Volts.

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

TABLE No. 1—Contd.
Salient features of the Electricity Supply Industry

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>(b) Private Sector:</i>						
(i) Generating and Distributing	..	..	..	..	5	4
(ii) Generating, Purchasing and Distributing	316	301	263	180	29	24
(iii) Purchasing and Distributing	..	..	..	..	95	89
SUB-TOTAL (b)	316	301	263	180	129	117
GRAND TOTAL	585	370	337	260	209	196

Year	@@ 31-12-50	@@ 31-12-55	31-3-61	31-3-66	1971-72	1972-73
12. NO. OF CONSUMERS						
(a) Domestic Light and Small Powers	1,157,016	1,929,432	3,666,889	6,379,240	111,79,392	122,62,293
(b) Commercial Light and small power	259,016	430,123	672,554	1,408,958	2,542,477	2,793,815
(c) (i) Industrial power upto 650 volts including Public Water Works and Sewage Pumping.	..	..	..	..	585,407	655,262
(ii) Industrial Power above 650 volts including railways	63,043£	99,317£	178,692£	330,300£	10,474	10,986
(d) Public Lighting	2,214	3,082	15,126	51,181	64,487	114,839
(e) Agricultural (Pumping)	19,316	46,626	195,902	508,372	1,870,019	2,148,678
(f) Miscellaneous	*	*	*	*	25,653	16,244
TOTAL†	1,500,605	2,508,580	4,729,163	8,678,051	16,277,909	18,002,117
13. CONNECTED LOAD (MW)						
(a) Domestic light and small power	733.86	1,225.68	2,234.79	3,689.45	6,671.98	7,213.91
(b) Commercial Light and Small Power	401.30	365.68	526.07	1,022.75	2,050.45	2,399.10
(c) (i) Industrial power upto 650 volts including Public Water Works and Sewage Pumping	££	££	££	££	5,313.41	5,966.83
(ii) Industrial power above 650 volts including Rlys.	1,561.68££	2,455.39££	4,561.92££	6,749.09££	7,453.41	7,794.47
(d) Public Lighting	20.67	33.26	76.16	104.52	198.90	224.65
(e) Agricultural (Pumping)	117.56	242.60	826.53	2,037.35	7,246.20	8,385.86
(f) Miscellaneous	..	..	..	..	483.80	269.69
TOTAL†	2,835.07	4,322.61	8,225.47	13,603.16	29,418.15	32,254.51

@@Nearest available data for beginning of First and Second Plan.

£Includes figures for item 12(c)(i).

*Included in Commercial.

†Totals may not tally due to rounding off.

££Includes figures for item 13(c)(i)

TABLE NO. 1—Concl'd.
Salient features of the Electricity Supply Industry

Year	@@ 31-12-50	@@ 31-12-55	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
14. ELECTRIFIED TOWNS AND VILLAGES	4,051	8,751	23,969	54,816	124,789	142,390
Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
15. PER CAPITA GENERATION (MID YEAR) (Utilities and Non-Utilities)	20.8	30.9	43.9	73.81	119.06	124.84
16. PER CAPITA CONSUMPTION (MID-YEAR) (Utilities and Non-Utilities)	17.8	26.4	38.2	61.33	93.78	96.35

@@Nearest available data for beginning of First and second plant.

TABLE NO. 2
Installed Plant Capacity (As on 31-3-1973) and Generation by type of Plant and Ownership.

Serial Number	Type of Plant and Ownership	Installed Plant Capacity (M W)	Percentage of total	Generation (Million kWh)		Percentage of net generation
				Gross	Net	
1	2	3	4	5	6	7
I HYDRO:						
<i>Public Sector:</i>						
	(a) State Electricity Boards	5,403.57	33.2	20,796.09	20,717.34	33.9
	(b) Electricity Departments/ Govt. Undertakings/D.V.C.	1,096.47	6.7	5,172.65	5,154.47	8.4
	(c) Municipalities	7.86	0.1	26.07	25.54	0.04
	SUB-TOTAL	6,507.90	40.0	25,994.81	25,897.35	42.3
	<i>Private Sector:</i> Companies	277.51	1.7	1,201.14	1,194.03	2.0
	TOTAL (I)	6,785.41	41.7	27,195.95	27,091.38	44.3
II STEAM:						
<i>Public Sector:</i>						
	(a) State Electricity Boards	5,042.19	31.0	21,296.79	19,345.16	31.6
	(b) Electricity Departments/ Govt. Undertakings/D.V.C.	1,972.10	12.1	6,952.10	6,212.70	10.2
	(c) Municipalities	276.20	1.7	1,380.99	1,263.84	2.1
	SUB-TOTAL	7,290.49	44.8	29,629.88	26,821.70	43.9
	<i>Private Sector:</i> Companies	1,177.49	7.2	5,984.24	5,615.40	9.2
	TOTAL (II)	8,467.98	52.0	35,614.12	32,437.10	53.1
III DIESEL:						
<i>Public Sector:</i>						
	(a) State Electricity Boards	164.85	1.0	73.50	70.42	0.1
	(b) Electricity Departments/ Govt. Undertakings/DVC	23.41	0.1	31.31	29.68	0.1
	(c) Municipalities	27.99	0.2	25.01	24.45	..
	SUB-TOTAL	216.25	1.3	129.82	124.55	0.2
	<i>Private Sector:</i> Companies	14.07	0.1	14.83	13.68	..
	TOTAL (III)	230.32	1.4	144.65	138.23	0.2

TABLE NO. 2—Contd.

Installed Plant Capacity (As on 31-3-1973) and Generation by type of Plant and Ownership.

1	2	3	4	5	6	7
IV	GAS TURBINE					
	Public Sector					
	(a) State Electricity Boards	178.00	1.1	458.54	448.19	0.7
	(b) Electricity Departments/ Govt. Undertakings/DVC	..	..	..	..	..
	(c) Municipalities	..	..	..	..	..
	SUB-TOTAL	178.00	1.1	458.54	448.19	0.7
	Private Sector: Companies	..	..	..	..	..
	TOTAL (IV)	178.00	1.1	458.54	448.19	0.7
V	NUCLEAR					
	Public Sector					
	(a) State Electricity Boards	..	..	..	..	..
	(b) Electricity Departments/ Govt. Undertakings/DVC	620.00	3.8	1,132.74	1,033.16	1.7
	(c) Municipalities	..	..	..	..	..
	SUB-TOTAL	620.00	3.8	1,132.74	1,033.16	1.7
	Private Sector: Companies	..	..	..	..	..
	TOTAL (V)	620.00	3.8	1,132.74	1,033.16	1.7
	GRAND TOTAL (I+II+III+IV+V)	16,281.71	100.00	64,546.00	61,148.06	100.00

TABLE NO. 3

Installed Plant Capacity and Generation by ownership and Increase over Previous year (Utilities)

Ownership	No. of Undertakings	Installed plant Capacity			Generation		
		As on 31-3-73	Percentage of total	Increase over 31-3-72 %	Energy Generated 1972-73 (MkWh)	Percentage of generation gross	Increase of generation (Gross in 1972-73 over 1971-72 %)
1	2	3	4	5	6	7	8
1. Public Sector:							
(a) State Elec. Boards	16	10,788.61	66.26	7.8	42,624.92	66.03	10.3
(b) Government Departments	17	1,049.48	6.45	0.5	5,030.82	7.79	(-)-4.8
(c) Government Undertakings	5	1,601.00	9.83	14.3	4,031.14	6.25	(-)-9.97
(d) D.V.C.	1	1,061.50	6.52	Nil	4,226.84	6.55	(-)-5.4
(e) Municipalities	40	312.05	1.92	21.37	1,432.07	2.22	26.9
SUB-TOTAL	79	14,812.64	90.98	7.6	57,345.79	88.84	6.21
2. Private Sector:							
(a) Companies	117	1,469.07	9.02	(-)-1.1	7,200.21	11.16	4.3
TOTAL	196	16,281.71	100.00	6.7	64,546.00	100.00	5.8

TABLE No. 4

Statewise installed Capacity^(a), Generation* and No. of Undertakings (Utilities) sector-wise

Serial Number	State	PUBLIC SECTOR			
		STATE ELECTRICITY BOARD			
		No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
1	2	3	4	5	6
1	Andhra Pradesh	1	532.57	2,506.30	2,349.48
2	Assam	1	207.94	477.80	465.52
3	Bihar	1	558.33	1949.30	1,720.67
4	Gujarat	1	731.17	3,144.33	2,902.18
5	Haryana	1	504.08	1,991.43	1,951.03
6	Himachal Pradesh	1	48.34	162.63	162.20
7	Jammu and Kashmir	..	..	..	..
8	Kerala	1	623.10	2,348.92	2,330.80
9	Madhya Pradesh	1	742.32	3,498.48	3,242.87
10	Maharashtra	1	1,208.38	6,229.94	5,928.60
11	Manipur	..	..	..	..
12	Mysore	1	206.26	531.84	526.58
13	Nagaland	..	..	..	..
14	Orissa	1	529.30	1,693.65	1,601.08
15	Punjab	1	747.83	2,784.31	2,773.22
16	Rajasthan	1	565.28	2,003.09	1,945.85
17	Tamil Nadu	1	1,654.00	5,066.42	4,932.99
18	Tripura	..	..	..	..
19	Uttar Pradesh	1	1,507.77	6,563.33	6,200.95
20	West Bengal	1	421.96	1,673.15	1,544.09
21	D.V.C.	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands.	..	..	..	..
	(c) Chandigarh	..	..	..	..
	(d) Dadra and Nagar Haveli	..	..	..	..
	(e) Goa, Daman and Diu	..	..	..	..
	(f) Laccadive, Minicoy & Amindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
		DATA NOT AVAILABLE			
	ALL INDIA (TOTAL)	16	10,788.61	42,624.92	40,581.11

^(a)The installed capacity & generation of jointly owned projects has been shown divided between the partner states as per their shares.

TABLE NO. 4—Contd.

Statewise installed Capacity@ Generation* and No. of Undertakings (Utilities) sector-wise

Serial Number	State	PUBLIC SECTOR			
		ELECTRICITY DEPARTMENT/GOVERNMENT UNDERTAKINGS/CORPORATIONS			
		No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
1	2	7	8	9	10
1	Andhra Pradesh	2	137.93	664.16	662.22
2	Assam . . . . .	..	..	..	..
3	Bihar	1	14.40	4.32	4.05
4	Gujarat . . . . .	..*	210.00	566.37	516.58
5	Haryana . . . . .	..	..	..	..
6	Himachal Pradesh . . . . .	..	..	..	..
7	Jammu and Kashmir	1	69.16	241.63	233.89
8	Kerala . . . . .	..	..	..	..
9	Madhya Pradesh . . . . .	..	..	..	..
10	Maharashtra	2*	306.00*	772.81	701.34
11	Manipur	1	5.84	13.06	12.09
12	Mysore	1	760.40	3,891.17	3,882.32
13	Nagaland	1	2.03	0.32	0.29
14	Orissa . . . . .	..	34.42	185.50	184.94
15	Punjab	1	10.00	13.00	11.50
16	Rajasthan	1	200.00	..	..
17	Tamil Nadu	1	600.00	1,944.05	1,729.68
18	Tripura	1	5.15	5.81	5.70
19	Uttar Pradesh . . . . .	..	..	..	..
20	West Bengal	2	289.00	753.94	664.80
21	D.V.C.	1	1,061.50	4,226.84	3,815.12
	<i>Union Territories</i>				
	(a) Delhi . . . . .	..	..	..	..
	(b) Andaman & Nicobar Islands	1	3.06	5.45	5.13
	(c) Chandigarh	1	2.48	Neg.	Neg.
	(d) Dadra and Nagar Haveli	1	..	..	..
	(e) Goa, Daman and Diu	1	..	..	..
	(f) Laccadive, Minicoy & Amindive	1	0.61	0.37	0.36
	(g) N.E.F.A.	1	DATA NOT AVAILABLE		
	(h) Pondicherry	1	..	..	..
	ALL INDIA (TOTAL)	23	3,711.98	13,288.80	12,430.01

*Capacity & Generation etc. are from Tarapore Share, the number being counted in Maharashtra.

TABLE NO. 4—Contd.

Statewise installed Capacity@ Generation* and No. of Undertakings (Utilities) sector-wise

Serial Number	State	PUBLIC SECTOR			
		MUNICIPALITIES			
		No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
1	2	11	12	13	14
1	Andhra Pradesh	..	..	..	..
2	Assam	..	..	..	..
3	Bihar	..	..	..	..
4	Gujarat	9	1.10	0.12	0.10
5	Haryana	..	..	..	..
6	Himachal Pradesh	1	3.11	11.79	11.33
7	Jammu and Kashmir	..	..	..	..
8	Kerala	1	..	..	..
9	Madhya Pradesh	..	..	..	..
10	Maharashtra	6	..	..	..
11	Manipur	..	..	..	..
12	Mysore	..	..	..	..
13	Nagaland	..	..	..	..
14	Orissa	..	..	..	..
15	Punjab	1	..	..	..
16	Rajasthan	1	0.37	..	..
17	Tamil Nadu	5	..	..	..
18	Tripura	..	..	..	..
19	Uttar Pradesh	12	7.37	11.21	11.13
20	West Bengal	1	3.10	4.29	4.24
21	D.V.C.	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi	2	297.00	1,404.66	1,287.03
	(b) Andaman and Nicobar Islands	..	..	..	..
	(c) Chandigarh	..	..	..	..
	(d) Dadra and Nagar Haveli	..	..	..	..
	(e) Goa, Daman and Diu	..	..	..	..
	(f) Laccadive, Minicoy & Amindive	..	..	..	..
	(g) N.E.F.A.				
	(h) Pondicherry				
	ALL INDIA (TOTAL)	40	312.05	1,432.07	1,313.83

DATA NOT AVAILABLE

TABLE NO. 4—Contd.

Statewise installed Capacity@ Generation* and No. of Undertakings (Utilities) sector-wise

Serial Number	State	PRIVATE SECTOR			
		COMPANIES			
		No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
1	2	15	16	17	18
1	Andhra Pradesh	1	..	..	..
2	Assam	1	1.51	4.06	3.92
3	Bihar	9	30.84	97.09	89.28
4	Gujarat	19	240.58	1473.45	1,391.02
5	Haryana	..	..	..	..
6	Himachal Pradesh	..	..	..	..
7	Jammu and Kashmir	..	..	..	..
8	Kerala	3	..	..	..
9	Madhya Pradesh	5	17.70	10.25	8.85
10	Maharashtra	26	613.57	3462.21	3,323.40
11	Manipur	..	..	..	..
12	Mysore	8	..	..	..
13	Nagaland	..	..	..	..
14	Orissa	..	..	..	..
15	Punjab	1	..	..	..
16	Rajasthan	3	2.34	3.77	3.58
17	Tamil Nadu	7	..	..	..
18	Tripura	..	..	..	..
19	Uttar Pradesh	16	49.20	207.71	193.58
20	West Bengal	17	511.29	1,936.39	1,804.32
21	D.V.C.	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..
	(c) Chandigarh	..	..	..	..
	(d) Dadra and Nagar Haveli	..	..	..	..
	(e) Goa, Daman and Diu	1	2.04	5.28	5.16
	(f) Laccadive, Minicoy and Amindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA (TOTAL).	117	1,469.07	7,200.21	6,823.11

DATA NOT AVAILABLE

TABLE NO. 4—Concl'd.

Statewise installed Capacity@ Generation* and No. of Undertakings (Utilities) sector-wise

Serial Number	State	TOTAL			
		No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
1	2	19	20	21	22
1	Andhra Pradesh	4	670.50	3,170.46	3,011.70
2	Assam	2	209.45	481.86	472.44
3	Bihar	11	603.57	2,050.71	1,814.00
4	Gujarat	29	1,182.85	5,184.27	4,809.88
5	Haryana	1	504.06	1,991.43	1,951.03
6	Himachal Pradesh	2	51.46	171.42	173.53
7	Jammu and Kashmir	1	69.16	241.63	233.89
8	Kerala	5	623.10	2,348.92	2,330.80
9	Madhya Pradesh	6	760.02	3,508.73	3,251.72
10	Maharashtra	35	2,127.95	10,464.96	9,953.34
11	Manipur	1	5.84	13.06	12.09
12	Mysore	10	966.66	4,423.01	4,408.90
13	Nagaland	1	2.03	0.32	0.29
14	Orissa	1	563.72	1,879.15	1,786.02
15	Punjab	4	757.83	2,797.31	2,784.72
16	Rajasthan	6	767.99	2,006.86	1,949.43
17	Tamil Nadu	14	2,254.00	7,010.47	6,662.67
18	Tripura	1	5.15	5.81	5.70
19	Uttar Pradesh	29	1,564.34	6,782.25	6,405.66
20	West Bengal	21	1,225.35	4,367.77	4,017.45
21	D.V.C.	1	1061.50	4,226.84	3,815.12
	<i>Union Territories</i>				
	(a) Delhi	2	297.00	1,404.66	1,287.03
	(b) Andaman & Nicobar Islands	1	3.06	5.45	5.13
	(c) Chandigarh	1	2.48	Neg.	Neg.
	(d) Dadra & Nagar Haveli	1	..	..	..
	(e) Goa, Daman & Diu	3	2.04	5.28	5.16
	(f) Laccadive, Minicoy & Amindive	1	0.61	0.37	0.36
	(g) N.E.F.A.				
	(g) Pondicherry	1	..	..	..
	ALL INDIA (Total)	196	16,281.71	64,546.00	61,148.06

TABLE NO. 5

Installed Plant Capacity@ (31-7-73) Aggregate Maximum Demand and Energy Generated@ by Type of Plant

Serial Number	State/Power Corporation	HYDRO			
		Installed Plant Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation@ (Million kWh)	
				Gross	Net
1	2	3	4	5	6
1	Andhra Pradesh	316.75	318.00	1,360.24	1,356.77
2	Assam	66.71	52.33	219.12	217.98
3	Bihar	14.40	3.12	4.32	4.05
4	Gujarat	..	..	..	..
5	Haryana	..	..	..	..
6	Himachal Pradesh	48.90	32.50	174.13	173.26
7	Jammu & Kashmir	40.72	35.00	207.69	203.05
8	Kerala	621.50	593.88	2,348.92	2,330.80
9	Madhya Pradesh	353.00	362.00	1,440.44	1,438.84
10	Maharashtra	844.32	880.13	3,940.22	3,916.99
11	Manipur	0.60	0.60	1.64	1.63
12	Mysore	952.20	991.80	4,365.17	4,351.22
13	Nagaland	..	..	..	..
14	Orissa	270.00	218.00	1,053.78	1,049.07
15	Punjab	1,285.50	1,198.19	4,941.21	4,927.73
16	Rajasthan	..	..	..	..
17	Tamil Nadu	1,224.00	1,254.30	4,140.65	4,131.25
18	Tripura	..	..	..	..
19	Uttar Pradesh	606.30	597.05	2,721.38	2,715.08
20	West Bengal	36.51	16.54	64.90	63.40
21	D.V.C.	104.00	108.00	212.14	210.26
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..
	(c) Chandigarh	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..
	(e) Goa, Daman and Diu	..	..	..	..
	(f) Laccadive Minicoy & Amindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA	6,785.41	6,661.44	2,7195.95	27,091.38

@For the purpose of this table installed plant capacity and generation of jointly owned projects has been shown against the state having maximum share since the maximum demand of such stations cannot be split and the maximum demand is desired to be compared with the installed capacity.

TABLE NO. 5—Contd.

Installed Plant Capacity@ (31-7-73) Aggregate Maximum Demand and Energy Generated@ by Type of Plant

Serial Number	State/Power Corporation	STEAM			
		Installed Plant Capacity@ (M.W.)	Maximum Demand Aggregate (M.W.)	Generation@ (Million (kWh))	
				Gross	Net
1	2	7	8	9	10
1	Andhra Pradesh	382.50	360.40	2,030.28	1,874.28
2	Assam	35.00	..	2.40	2.25
3	Bihar	572.77	351.97	2,041.29	1,805.50
4	Gujarat	899.60	797.96	4,430.31	4,109.40
5	Haryana	28.10	19.00	102.77	91.52
6	Himachal Pradesh	..	..	..	..
7	Jammu & Kashmir	22.50	20.00	25.00	22.20
8	Kerala	..	..	..	..
9	Madhya Pradesh	707.00	545.60	3,353.15	3,045.75
10	Maharashtra	1,071.00	983.50	5,957.82	5,519.25
11	Manipur	..	..	..	..
12	Mysore	..	..	..	..
13	Nagaland	..	..	..	..
14	Orissa	258.25	165.00	639.17	551.34
15	Punjab	15.00	14.00	27.28	23.29
16	Rajasthan	38.65	25.00	27.40	24.12
17	Tamil Nadu	1,030.00	682.66	2,869.82	2,531.42
18	Tripura	..	..	..	..
19	Uttar Pradesh	938.88	820.26	4,055.03	3,684.94
20	West Bengal	1,171.43	855.40	4,294.15	3,945.70
21	D.V.C.	957.50	750.00	4,014.70	3,604.86
	<i>Union Territories</i>				
	(a) Delhi	338.70	236.65	1,742.55	1,600.38
	(b) Andaman & Nicobar Islands	1.10	0.94	1.00	0.90
	(c) Chandigarh	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..
	(e) Goa, Daman and Diu	..	..	..	..
	(f) Laccadive, Minicoy & Amindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA	8,467.98	6,628.34	35,614.12	32,437.10

TABLE NO. 5—Contd.

Installed Plant Capacity@ (31-7-73) Aggregate Maximum Demand and Energy Generated@ by Type of Plant

Serial Number	State/Power Corporation	DIESEL			
		Installed Plant Capacity (M.W.)	Maximum Demand (Aggregate) (M.W.)	Generation@ (Million kWh)	
				Gross	Net
1	2	11	12	13	14
1	Andhra Pradesh	0.07	..	..	..
2	Assam	26.24	9.84	11.32	10.23
3	Bihar	16.40	8.41	5.10	4.45
4	Gujarat	19.25	16.48	5.59	5.09
5	Haryana	4.99	3.24	3.27	3.23
6	Himachal Pradesh	2.55	1.70	0.29	0.27
7	Jammu & Kashmir	5.94	5.00	8.94	8.64
8	Kerala	1.60	..	..	..
9	Madhya Pradesh	1.52	0.39	0.16	0.15
10	Maharashtra	2.63	0.31	0.55	0.52
11	Manipur	5.24	2.99	11.42	10.46
12	Mysore	0.06	..	Neg.	Neg.
13	Nagaland	2.03	2.12	0.32	0.29
14	Orissa	1.05	0.98	0.70	0.67
15	Punjab	49.13	25.84	36.56	35.52
16	Rajasthan	34.51	24.97	10.53	10.21
17	Tamil Nadu . . . . .	..	..	..	..
18	Tripura	5.15	2.80	5.81	5.70
19	Uttar Pradesh	6.66	4.60	1.60	1.51
20	West Bengal	17.41	9.23	8.72	8.35
21	D.V.C. . . . .	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi	20.80	13.70	23.67	23.19
	(b) Andaman & Nicobar Islands	1.96	0.86	4.45	4.23
	(c) Chandigarh	2.48	..	Neg.	Neg.
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(e) Goa, Daman and Diu	2.04	2.01	5.28	5.16
	(f) Laccadive, Minicoy & Amindive	0.61	0.21	0.37	0.36
	(g) N.E.F.A. . . . .	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..
	ALL INDIA	230.32	135.68	144.65	138.23

TABLE NO. 5—Contd.

Installed Plant Capacity@ (31-7-73) Aggregate Maximum Demand and Energy Generated@ by Type of Plant

Serial Number	State/Power Corporation	GAS			
		Plant Installed Capacity	Maximum Demand (Aggregate) (M.W.)	Generation (Million kWh)	
				Gross	Net
1	2	15	16	17	18
1	Andhra Pradesh	20.00	21.60	23.28	23.27
2	Assam	81.50	45.70	249.02	241.98
3	Bihar . . . . .	..	..	..	..
4	Gujarat	54.00	28.00	182.00	178.81
5	Haryana . . . . .	..	..	..	..
6	Himachal Pradesh . . . . .	..	..	..	..
7	Jammu & Kashmir . . . . .	..	..	..	..
8	Kerala . . . . .	..	..	..	..
9	Madhya Pradesh . . . . .	..	..	..	..
10	Maharashtra . . . . .	..	..	..	..
11	Manipur . . . . .	..	..	..	..
12	Mysore . . . . .	..	..	..	..
13	Nagaland . . . . .	..	..	..	..
14	Orissa . . . . .	..	..	..	..
15	Punjab . . . . .	..	..	..	..
16	Rajasthan	10.00	..	..	..
17	Tamil Nadu . . . . .	..	..	..	..
18	Tripura . . . . .	..	..	..	..
19	Uttar Pradesh	12.50	10.00	4.24	4.13
20	West Bengal . . . . .	..	..	..	..
21	D.V.C. . . . .	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi . . . . .	..	..	..	..
	(b) Andaman and Nicobar Islands . . . . .	..	..	..	..
	(c) Chandigarh . . . . .	..	..	..	..
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(e) Goa, Daman and Diu . . . . .	..	..	..	..
	(f) Laccadive Minicoy and Amindive . . . . .	..	..	..	..
	(g) N.E.F.A. . . . .	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..
	ALL INDIA	178.00	105.30	458.54	448.19

TABLE NO. 5—contd.

Installed Plant Capacity @ (31-7-73) Aggregate Maximum Demand and Energy Generated @ by
Type of Plant

Serial Number	State/Power Corporation	NUCLEAR			
		Installed Plant Capacity (M.W.)	Maximum Demand (Aggregate) (M.W.)	Generation (Million kWh)	
				Gross	Net
1	2	19	20	21	22
1	Andhra Pradesh	..	..	..	..
2	Assam	..	..	..	..
3	Bihar	..	..	..	..
4	Gujarat	..	..	..	..
5	Haryana	..	..	..	..
6	Himachal Pradesh	..	..	..	..
7	Jammu & Kashmir	..	..	..	..
8	Kerala	..	..	..	..
9	Madhya Pradesh	..	..	..	..
10	Maharashtra	420.00	335.00	1,132.74	1,033.16
11	Manipur	..	..	..	..
12	Mysore	..	..	..	..
13	Nagaland	..	..	..	..
14	Orissa	..	..	..	..
15	Punjab	..	..	..	..
16	Rajasthan	200.00	..	..	..
17	Tamil Nadu	..	..	..	..
18	Tripura	..	..	..	..
19	Uttar Pradesh	..	..	..	..
20	West Bengal	..	..	..	..
21	D.V.C.	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Island	..	..	..	..
	(c) Chandigarh	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..
	(f) Laccadive Minicoy & Amindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA	620.00	335.00	1,132.74	1,033.16

TABLE NO. 5—concl'd.

Installed Plant Capacity@ (31-7-73) Aggregate Maximum Demand and Energy Generated@ by Type of Plant

Serial Number	State/Power Corporation	Installed Plant Capacity (MW)	Total Maximum Demand (Aggregate) (MW)	Generation (Million kWh)	
				Gross	Net
1	2	23	24	25	26
1	Andhra Pradesh	719·32	700·00	3,413·80	3,254·32
2	Assam	209·45	107·87	481·86	472·44
3	Bihar	603·57	363·50	2,050·71	1,814·00
4	Gujarat	972·85	842·44	4,617·90	4,293·30
5	Haryana	33·09	22·24	106·04	94·75
6	Himachal Pradesh	51·45	34·20	174·42	173·53
7	Jammu & Kashmir	69·16	60·00	241·63	233·89
8	Kerala	623·10	593·88	2,348·92	2,330·80
9	Madhya Pradesh	1,061·52	907·99	4,793·75	4,484·74
10	Maharashtra	2,337·95	2,198·94	11,031·33	10,469·92
11	Manipur	5·84	3·59	13·06	12·09
12	Mysore	952·26	991·80	4,365·17	4,351·22
13	Nagaland	2·03	2·12	0·32	0·29
14	Orissa	529·30	383·98	1,693·65	1,601·08
15	Punjab	1,349·63	1,238·03	5,005·05	4,986·54
16	Rajasthan	283·16	49·97	37·93	34·33
17	Tamil Nadu	2,254·00	1,936·96	7,010·47	6,662·67
18	Tripura	5·15	2·80	5·81	5·70
19	Uttar Pradesh	1,564·34	1,431·91	6,782·25	6,405·66
20	West Bengal	1,225·35	881·17	4,367·77	4,017·45
21	D.V.C.	1,061·50	858·00	4,226·84	3,815·12
	<i>Union Territories</i>				
	(a) Delhi	359·50	250·35	1,766·22	1,623·57
	(b) Andaman & Nicobar Islands	3·06	1·80	5·45	5·13
	(c) Chandigarh	2·48	..	Neg.	Neg.
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(e) Goa, Daman and Diu	2·04	2·01	5·28	5·16
	(f) Laccadive Minicoy & Amindive	0·61	0·21	0·37	0·36
	(g) N.E.F.A. . . . .	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..
	ALL INDIA	16,281·71	13,865·76	64,546·00	61,148·06

TABLE NO. 6

Statewise Gross Generation^(a) & Auxiliary Consumption^(a) by Type of Plant

Serial Number	State/Power Corporation	HYDRO		
		Energy Generated (Gross) ^(a) (M. kWh)	Energy used by Power Station auxiliaries (Million kWh)	Auxiliary consumption as percentage of generation
1	2	3	4	5
1	Andhra Pradesh	1,360.24	3.47	0.25
2	Assam [£]	219.12	1.14	0.52
3	Bihar	4.32	0.27	6.25
4	Gujarat	..	..	..
5	Haryana	..	..	..
6	Himachal Pradesh	174.13	0.87	0.50
7	Jammu & Kashmir	207.69	4.64	2.23
8	Kerala	2,348.92	18.12	0.77
9	Madhya Pradesh	1,440.44	1.60	0.11
10	Maharashtra	3,940.22	23.23	0.59
11	Manipur	1.64	0.01	0.61
12	Mysore	4,365.17	13.95	0.32
13	Nagaland	..	..	..
14	Orissa	1,053.78	4.71	0.45
15	Punjab	4,941.21	13.48	0.27
16	Rajasthan	..	..	..
17	Tamil Nadu	4,140.65	9.40	0.23
18	Tripura	..	..	..
19	Uttar Pradesh	2,721.38	6.30	0.23
20	West Bengal	64.90	1.50	2.31
21	D.V.C.	212.14	1.88	0.89
	<i>Union Territories</i>			
	(a) Delhi	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..
	(c) Chandigarh	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..
	(e) Goa, Daman and Diu	..	..	..
	(f) Laccadive Minicoy & Amindive	..	..	..
	(g) N.E.F.A.	DATA NOT AVAILABLE		
	(h) Pondicherry	..	..	..
	ALL INDIA	27,195.95	104.57	0.38

^(a) Generation from jointly owned projects has been taken against those states which have maximum share since it was considered better to keep the auxiliary consumption of Power Houses intact. Please note that these figures are different from the generation figures sharewise elsewhere.

^(£) Generation of Meghalaya has been included in Assam.

TABLE NO. 6—contd.

Statewise Gross Generation@ & Auxiliary Consumption@ by Type of Plant

Serial Number	State, Power Corporation	STEAM			DIESEL		
		Energy generated (Gross) (Million kWh)	Energy used by Power Station auxiliaries (M.kWh)	Auxiliary consumption as percentage of generation	Energy generated (Gross) (M.kWh)	Energy used by Power Station auxiliaries (M.kWh)	Auxiliary consumption as percentage of generation
1	2	6	7	8	9	10	11
1	Andhra Pradesh	2,030.28	156.00	7.68	..	..	..
2	Assam	2.40	0.15	6.25	11.32	1.09	9.63
3	Bihar	2,041.29	235.79	11.55	5.10	0.65	12.75
4	Gujarat	4430.31	320.91	7.24	5.59	0.50	8.94
5	Haryana	102.77	11.25	10.94	3.27	0.04	1.22
6	Himachal Pradesh . . . . .	..	..	..	0.29	0.02	6.90
7	Jammu & Kashmir	25.00	2.80	11.20	8.94	0.30	3.36
8	Kerala . . . . .	..	..	..	..	..	..
9	Madhya Pradesh	3,353.15	307.40	9.17	0.16	0.01	6.25
10	Maharashtra	5,957.82	438.57	7.36	0.55	0.03	5.45
11	Manipur . . . . .	..	..	..	11.42	0.96	8.41
12	Mysore . . . . .	..	..	..	Neg.	Neg.	..
13	Nagaland . . . . .	..	..	..	0.32	0.03	9.38
14	Orissa	639.17	87.83	13.74	0.70	0.03	4.29
15	Punjab	27.28	3.99	14.63	36.56	1.04	2.84
16	Rajasthan	27.40	3.28	11.97	10.53	0.32	3.04
17	Tamil Nadu	2,869.82	338.40	11.79	..	..	..
18	Tripura . . . . .	..	..	..	5.81	0.11	1.89
19	Uttar Pradesh	4,055.03	370.09	9.12	1.60	0.09	5.63
20	West Bengal	4,294.15	348.45	8.11	8.72	0.37	4.24
21	D.V.C.	4,014.70	409.84	10.31	..	..	..
	<i>Union Territories</i>						
	(a) Delhi	1,742.55	142.17	8.16	23.67	0.48	2.03
	(b) Andaman and Nicobar Islands	1.00	0.10	10.00	4.45	0.22	4.94
	(c) Chandigarh . . . . .	..	..	..	Neg.	Neg.	Neg.
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..
	(e) Goa, Daman and Diu . . . . .	..	..	..	5.28	0.12	2.3
	(f) Laccadive Minicoy & Amindive	..	..	..	0.37	0.01	2.70
	(g) N.E.F.A.	DATA NOT AVAILABLE					
	(h) Pondicherry . . . . .	..	..	..	..	..	..
	ALL INDIA	35,614.12	3,177.02	8.92	144.65	6.42	4.52

TABLE NO. 6—contd.

Statewise Gross Generation@ & Auxiliary Consumption@ by Type of Plant

Serial Number	State/Power Consumption	Gas		
		Energy Generated (Gross) (M. kWh)	Energy used by Power Station auxiliaries (M. kWh)	Auxiliaries consumption as percentage of consumption
1	2	12	13	14
1	Andhra Pradesh	23.28	0.01	0.04
2	Assam	249.02	7.04	2.83
3	Bihar . . . . .	..	..	..
4	Gujarat	182.00	3.19	1.75
5	Haryana . . . . .	..	..	..
6	Himachal Pradesh . . . . .	..	..	..
7	Jammu & Kashmir . . . . .	..	..	..
8	Kerala . . . . .	..	..	..
9	Madhya Pradesh . . . . .	..	..	..
10	Maharashtra . . . . .	..	..	..
11	Manipur . . . . .	..	..	..
12	Mysore . . . . .	..	..	..
13	Nagaland . . . . .	..	..	..
14	Orissa . . . . .	..	..	..
15	Punjab . . . . .	..	..	..
16	Rajasthan . . . . .	..	..	..
17	Tamil Nadu . . . . .	..	..	..
18	Tripura . . . . .	..	..	..
19	Uttar Pradesh	4.24	0.11	2.60
20	West Bengal . . . . .	..	..	..
21	D.V.C. . . . .	..	..	..
	<i>Union Territories</i>			
	(a) Delhi . . . . .	..	..	..
	(b) Andaman & Nicobar Islands . . . . .	..	..	..
	(c) Chandigarh . . . . .	..	..	..
	(d) Dadra & Nagar Haveli . . . . .	..	..	..
	(e) Goa, Daman and Diu . . . . .	..	..	..
	(f) Laccadive Minicoy and Amindive . . . . .	..	..	..
	(g) N.E.F.A. . . . .	..	..	..
	(h) Pondicherry . . . . .	..	..	..
	ALL INDIA	458.54	10.35	2.26

TABLE No. 6—concl'd.

Statewise Gross Generation^(a) & Auxiliary Consumption^(a) by Type of Plant

Sl. No.	State/Power Corporation	NUCLEAR			TOTAL		
		Energy Generated (Gross) (M. kWh)	Energy used by Power Station auxiliaries (M. kWh)	Auxiliary consumption as percentage of generation	Energy Generated (Gross) (M. kWh)	Energy used by Power Station auxiliaries (M. kWh)	Auxiliary consumption as percentage of generation
1	2	15	16	17	18	19	20
1	Andhra Pradesh	..	..	..	3,413·80	159·48	4·67
2	Assam	..	..	..	481·86	9·42	1·95
3	Bihar	..	..	..	2,050·71	236·71	11·54
4	Gujarat	..	..	..	4,617·90	324·60	7·03
5	Haryana	..	..	..	106·04	11·29	10·64
6	Himachal Pradesh	..	..	..	174·42	0·89	0·51
7	Jammu & Kashmir	..	..	..	241·63	7·74	3·20
8	Kerala	..	..	..	2,348·92	18·12	0·77
9	Madhya Pradesh	..	..	..	4,793·75	309·01	6·45
10	Maharashtra	1,132·74	99·58	8·80	11,031·33	561·41	5·09
11	Manipur	..	..	..	13·06	0·97	7·43
12	Mysore	..	..	..	4,365·17	13·95	0·32
13	Nagaland	..	..	..	0·32	0·03	9·38
14	Orissa	..	..	..	1,693·65	92·57	5·46
15	Punjab	..	..	..	5,005·05	18·51	0·37
16	Rajasthan	..	..	..	37·93	3·60	9·49
17	Tamil Nadu	..	..	..	7,010·47	347·80	4·96
18	Tripura	..	..	..	5·81	0·11	1·89
19	Uttar Pradesh	..	..	..	6,782·25	376·59	5·55
20	West Bengal	..	..	..	4,367·77	350·32	8·00
21	D.V.C.	..	..	..	4,226·84	411·72	9·74
	<i>Union Territories</i>						
	(a) Delhi	..	..	..	1,766·22	142·65	8·07
	(b) Andaman & Nicobar Islands	..	..	..	5·45	0·32	5·87
	(c) Chandigarh	..	..	..	Neg.	Neg.	Neg.
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	5·28	0·12	2·3
	(f) Laccadive Minicoy & Amindive	..	..	..	0·37	0·01	2·70
	(g) N.E.F.A.	DATA NOT AVAILABLE			..	..	..
	(h) Pondicherry	..	..	..	..	..	..
	ALL INDIA	1,132·74	99·58	8·80	64,546·00	3,397·94	5·26

TABLE No. 7

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

Sl. No.	State/Power Corporation	PUBLIC SECTOR			
		State Electricity Board		Electricity Deptts./Govt. Undertakings/Corporation	
		Installed Plant @ Capacity (MW)	Energy Generated @ (Million kWh)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)
1	2	3	4	5	6
1	Andhra Pradesh	130.00	452.74	137.93	664.16
2	Assam	65.20	215.06	..	..
3	Bihar	..	..	14.40	4.32
4	Gujarat	..	..	..	..
5	Haryana	408.47	1,523.83	..	..
6	Himachal Pradesh	47.15	162.56	..	..
7	Jammu & Kashmir	..	..	40.72	207.69
8	Kerala	621.50	2,348.92	..	..
9	Madhya Pradesh	176.50	720.22	..	..
10	Maharashtra	568.32	2,743.14	..	..
11	Manipur	..	..	0.60	1.64
12	Mysore	206.20	531.84	760.40	3,891.17
13	Nagaland	..	..	..	..
14	Orissa	270.00	1,053.78	34.42	185.50
15	Punjab	693.70	2,733.47	..	..
16	Rajasthan	359.83	1,404.13	..	..
17	Tamil Nadu	1,224.00	4,140.65	..	..
18	Tripura	..	..	..	..
19	Uttar Pradesh	602.15	2,710.78	..	..
20	West Bengal	30.55	54.97	4.00	6.03
21	D.V.C.	..	..	104.00	212.14
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..
	(c) Chandigarh	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..
	(f) Laccadive Minicoy & Admindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA	5,403.57	20,796.09	1,096.47	5,172.65

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

TABLE NO. 7—contd.

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

Sl. No.	State/Power Corporation	PUBLIC SECTOR		PRIVATE SECTOR		TOTAL	
		Municipalities		Companies		Installed Plant Capacity (MW) @	Energy Generated (Million kWh)@
		Installed Plant Capacity (MW)@	Energy Generated (Million kWh)@	Installed Plant Capacity (MW)@	Energy Generated (Million kWh)@		
1	2	7	8	9	10	11	12
1	Andhra Pradesh . . .	..	..	..	..	267.93	1,116.90
2	Assam . . . . .	..	..	1.51	4.06	66.71	219.12
3	Bihar . . . . .	..	..	..	..	14.40	4.32
4	Gujarat . . . . .	..	..	..	..	..	..
5	Haryana . . . . .	..	..	..	..	408.47	1,523.83
6	Himachal Pradesh . .	1.75	11.57	..	..	48.90	174.13
7	Jammu & Kashmir . .	..	..	..	..	40.72	207.69
8	Kerala . . . . .	..	..	..	..	621.50	2,348.92
9	Madhya Pradesh . . .	..	..	..	..	176.50	720.22
10	Maharashtra . . . . .	..	..	276.00	1,197.08	844.32	3,940.22
11	Manipur . . . . .	..	..	..	..	0.60	1.64
12	Mysore . . . . .	..	..	..	..	966.60	4,423.01
13	Nagaland . . . . .	..	..	..	..	..	..
14	Orissa . . . . .	..	..	..	..	304.42	1,239.28
15	Punjab . . . . .	..	..	..	..	693.70	2,733.47
16	Rajasthan . . . . .	..	..	..	..	359.83	1,404.13
17	Tamil Nadu . . . . .	..	..	..	..	1,224.00	4,140.65
18	Tripura . . . . .	..	..	..	..	..	..
19	Uttar Pradesh	4.15	10.60	..	..	606.30	2,721.38
20	West Bengal	1.96	3.90	..	..	36.51	64.90
21	D.V.C. . . . .	..	..	..	..	104.00	212.14
	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) A. & N. Islands . .	..	..	..	..	..	..
	(c) Chandigarh . . . .	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..
	(e) Goa, Daman & Diu . . . . .	..	..	..	..	..	..
	(f) Laccadive, Minicoy & Amindive . . . . .	..	..	..	..	..	..
	(g) N.E.F.A. . . . .	..	..	..	..	..	..
	(h) Pondicherry . . . .	..	..	..	..	..	..
	ALL INDIA	7.86	26.07	277.51	1,201.14	6,785.41	27,195.95

TABLE No. 8

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

Sl. No.	State/Power Corporation	PUBLIC SECTOR			
		State Electricity Board		Electricity Deptts./ Govt. Undertaking/ Corporation	
		Installed Plant Capacity@ (MW)	Energy Generated@ (Million kWh)	Installed Plant Capacity@ (MW)	Energy Generated (Million kWh)
1	2	3	4	5	6
1	Andhra Pradesh	382.50	2,030.28	..	..
2	Assam	35.00	2.40	..	..
3	Bihar	545.00	1,947.38	..	..
4	Gujarat	664.50	2,958.41	..	..
5	Haryana	90.60	464.33	..	..
6	Himachal Pradesh	..	..	..	..
7	Jammu & Kashmir	..	..	22.50	25.00
8	Kerala	..	..	..	..
9	Madhya Pradesh	564.50	2,778.10	..	..
10	Maharashtra	637.50	3,486.38	96.00	206.44
11	Manipur	..	..	..	..
12	Mysore	..	..	..	..
13	Nagaland	..	..	..	..
14	Orissa	258.25	639.17	..	..
15	Punjab	5.00	14.28	10.00	13.00
16	Rajasthan	163.65	592.20	..	..
17	Tamil Nadu	430.00	925.77	600.00	1,944.05
18	Tripura	..	..	..	..
19	Uttar Pradesh	890.13	3,847.35	..	..
20	West Bengal	375.56	1,610.74	285.00	747.91
21	D.V.C.	..	..	957.50	4,014.70
	<i>Union Territories.</i>				
	(a) Delhi	..	..	..	..
	(b) A. & Nicobar Islands	..	..	1.10	1.00
	(c) Chandigarh	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..
	(f) Laccadive, Minicoy & Amindive	..	..	..	..
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA	5,042.19	21,296.79	1,972.10	6,952.10

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

TABLE NO. 8—contd.

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

Sl. No.	State/Power Corporation	PUBLIC SECTOR		PRIVATE SECTOR		TOTAL	
		Municipalities		Companies		Installed Plant Capacity (MW)	Energy Generated (Million kWh)
		Installed Plant Capacity (MW)	Energy Generated (Million kWh)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)		
1	2	7	8	9	10	11	12
1	Andhra Pradesh . . .	..	..	..	..	382·50	2,030·28
2	Assam . . . . .	..	..	..	..	35·00	2·40
3	Bihar . . . . .	..	..	27·77	93·91	572·77	2,041·29
4	Gujarat . . . . .	..	..	235·10	1,471·90	899·60	4,430·31
5	Haryana . . . . .	..	..	..	..	90·60	464·33
6	Himachal Pradesh . .	..	..	..	..	..	..
7	Jammu & Kashmir . .	..	..	..	..	22·50	25·00
8	Kerala . . . . .	..	..	..	..	..	..
9	Madhya Pradesh . . .	..	..	17·50	10·25	582·00	2,788·35
10	Maharashtra . . . . .	..	..	337·50	2,265·00	1,071·00	5,957·82
11	Manipur . . . . .	..	..	..	..	..	..
12	Mysore . . . . .	..	..	..	..	..	..
13	Nagaland . . . . .	..	..	..	..	..	..
14	Orissa . . . . .	..	..	..	..	258·25	639·17
15	Punjab . . . . .	..	..	..	..	15·00	27·28
16	Rajasthan . . . . .	..	..	..	..	163·65	592·20
17	Tamil Nadu . . . . .	..	..	..	..	1,030·00	2,869·82
18	Tripura . . . . .	..	..	..	..	..	..
19	Uttar Pradesh . . . .	..	..	48·75	207·68	938·88	4,055·03
20	West Bengal . . . . .	..	..	510·87	1,935·50	1,171·43	4,294·15
21	D.V.C. . . . .	..	..	..	..	957·50	4,014·70
	<i>Union Territories</i>						
	(a) Delhi	276·20	1,380·99	..	..	276·20	1,380·99
	(b) A. & Nicobar Islands . . . . .	..	..	..	..	1·10	1·00
	(c) Chandigarh . . . . .	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..
	(e) Goa, Daman & Diu . . . . .	..	..	..	..	..	..
	(f) Laccadive, Minicoy & Amindive . . . . .	..	..	..	..	..	..
	(g) N.E.F.A. . . . .	..	..	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..	..	..
	ALL INDIA	276·20	1,380·99	1,177·49	5,984·24	8,467·98	35,614·12

TABLE No. 9

Statewise Installed Gas Turbine and Diesel Plant Capacity and Gross Generation by Ownership (Utilities)

Sl. No.	State/Power Corporation	PUBLIC SECTOR			
		State Electricity Board		Electricity Deptts./ Govt. Undertaking/ Power Corporation	
		Installed Plant Capacity (MW)	Energy Generated (Million kWh)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)
1	2	3	4	5	6
1	Andhra Pradesh	20.07 ¹	23.28 ¹	..	..
2	Assam	107.74 ²	260.34 ²	..	..
3	Bihar	13.33	1.92	..	..
4	Gujarat	66.67 ³	185.92 ³	..	..
5	Haryana	4.99	3.27	..	..
6	Himachal Pradesh	1.19	0.07	..	..
7	Jammu & Kashmir	..	..	5.94	8.94
8	Kerala	1.60	..	..	..
9	Madhya Pradesh	1.32	0.16	..	..
10	Maharashtra	2.56	0.42	..	..
11	Manipur	..	..	5.24	11.42
12	Mysore	0.06	Neg	..	..
13	Nagaland	..	..	2.03	0.32
14	Orissa	1.05	0.70	..	..
15	Punjab	49.13 ¹	36.56	..	..
16	Rajasthan	41.80	6.76 ⁴	..	..
17	Tamil Nadu	..	..	..	..
18	Tripura	.. ⁵	.. ⁵	5.15	5.81
19	Uttar Pradesh	15.49	5.20	..	..
20	West Bengal	15.85	7.44	..	..
21	D.V.C.	..	..	..	..
	<i>Union Territories</i>				
	(a) Delhi	..	..	..	..
	(b) A. & N. Islands	..	..	1.96	4.45
	(c) Chandigarh	..	..	2.48	Neg
	(d) Dadra Nagar Haveli	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..
	(f) Laccadive, Minicoy & Amindive	..	..	0.61	0.37
	(g) N.E.F.A.	..	..	..	..
	(h) Pondicherry	..	..	..	..
	ALL INDIA	342.85*	532.04*	23.41	31.31

1 Includes 20.00 MW capacity of gasturbine & 23.28 M. kWh generation therefrom.

2 Includes 81.50MW capacity of gasturbine & 249.02 M. kWh generation therefrom.

3 Includes 54.00MW capacity of gasturbine & 182.00 M kWh generation therefrom.

TABLE NO. 9—contd.

Statewise Installed Gas Turbine and Diesel Plant Capacity and Gross Generation by Ownership (Utilities)

Sl. No.	State/Power Corporation	PUBLIC SECTOR		PRIVATE SECTOR		TOTAL	
		Municipalities		Companies		Installed Plant Capacity (MW)	Energy Generated (Million kWh)
		Installed Plant Capacity (MW)	Energy Generated (Million kWh)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)		
1	2	7	8	9	10	11	12
1	Andhra Pradesh . . .	..	..	..	..	20.07	23.28
2	Assam . . . . .	..	..	..	..	107.74	260.34
3	Bihar . . . . .	..	..	3.07	3.18	16.40	5.10
4	Gujarat	1.10	0.12	5.48	1.55	73.25	187.59
5	Haryana . . . . .	..	..	..	..	4.99	3.27
6	Himachal Pradesh . . .	1.36	0.22	..	..	2.55	0.29
7	Jammu & Kashmir . . .	..	..	..	..	5.94	8.94
8	Kerala . . . . .	..	..	..	..	1.60	..
9	Madhya Pradesh . . . .	..	..	0.20	..	1.52	0.16
10	Maharashtra . . . . .	..	..	0.07	0.13	2.63	0.55
11	Manipur . . . . .	..	..	..	..	5.24	11.42
12	Mysore . . . . .	..	..	..	..	0.06	Neg.
13	Nagaland . . . . .	..	..	..	..	2.03	0.32
14	Orissa . . . . .	..	..	..	..	1.05	0.70
15	Punjab . . . . .	..	..	..	..	49.13	36.56
16	Rajasthan	0.37	..	2.34	3.77	44.51	10.53
17	Tamil Nadu . . . . .	..	..	..	..	..	..
18	Tripura . . . . .	..	..	..	..	5.15	5.81
19	Uttar Pradesh	3.22	0.61	0.45	0.03	19.16	5.84
20	West Bengal	1.14	0.39	0.42	0.89	17.41	8.72
21	D.V.C. . . . .	..	..	..	..	..	..
	<i>Union Territories</i>						
	(a) Delhi	20.80	23.67	..	..	20.80	23.67
	(b) A. & N. Islands . . .	..	..	..	..	1.96	4.45
	(c) Chandigarh . . . . .	..	..	..	..	2.48	Neg.
	(d) Dadra & Nagar Haveli . . .	..	..	..	..	..	..
	(e) Goa, Daman & Diu . . . . .	..	..	2.04	5.28	2.04	5.28
	(f) Laccadive, Minicoy & Amindive . . .	..	..	..	..	0.61	0.37
	(g) N.E.F.A. . . . .	..	..	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..	..	..
	ALL INDIA	27.99	25.01	14.07	14.83	408.32	603.19

4 Includes 10.00MW capacity of gasturbine & nil generation therefrom.

5 Includes 12.50MW capacity of gasturbine & 4.24 million kWh generation therefrom.

* Includes 178.00MW capacity of gasturbine & 458.54 million kWh generation therefrom.

TABLE No. 10

Installed Capacity (As on 31-3-1973) Maximum Demand and Generation of Atomic Power House

Name of the Station and State	Installed Plant Capacity (MW)	Maximum Demand (MW)	Generation (Gross) (M. kWh)	Generation (Net) (M. kWh)
1	2	3	4	5
Tarapore* (Maharashtra)	210.00	167.50	566.37	516.57
Tarapore* (Gujarat)	210.00	167.50	566.37	516.57
R.A.P.P. (Rajasthan)	200.00	..	..	..
TOTAL	620.00	335.00	1,132.74	1,033.14

*Share of Maharashtra and Gujarat in Tarapore Power Station is 50% each.

TABLE No. 11

Shares of Participating States in jointly owned Power Stations

Sl. No.	Name of the Power Station	Installed Plant Capacity (MW)	Energy Generated (Million kWh)		Name of the Participating States	Shares of the participating States		Energy sent out State-wise (Million kWh)
			Gross	Net		Percentage Share	Installed Capacity (MW)	
1	2	3	4	5	6	7	8	9
1	Machkund (Hydro)	114.75	618.3	616.4	Andhra Pradesh Orissa	70 30	80.33 34.42	379.50 236.98
2	Tungabhadra Right Bank & Hampi (Hydro)	72.00	289.2	288.3	Mysore Andhra Pradesh	20 80	14.40 57.60	65.99 222.37
3	Chambal Projects (Hydro)							
	(a) Gandhi Sagar	115.00	581.1	580.2	Madhya Pradesh Rajasthan	50 50	57.50 57.50	1,318.71 ¹
	(b) Rana Pratap Sagar	172.00	626.4	625.8	Madhya Pradesh Rajasthan	50 50	86.00 86.00	
	(c) Jawahar Sagar	66.00	232.9	232.8	Madhya Pradesh Rajasthan	50 50	33.00 33.00		1404.1
4	Satpura (Thermal)	312.50	1,412.0	1,284.0	Madhya Pradesh Rajasthan	60 40	187.50 125.00	
5	Bhakra Nangal (Hydro)	1,204.50	4,493.5	4,481.5	Punjab Haryana Rajasthan Common Pool Consumer : (a) Nangal Fertilizer (b) Himachal Pradesh (c) Jammu & Kashmir (d) D.E.S.U. (e) Chandigarh	84.78 × 60% 84.78 × 40% 15.22% 884.0	612.70 40.487 183.33	1,429.2 1,049.5 459.6 195.1 36.5 316.4 111.2
6	Indraprastha Extn. (Thermal)	187.50	1,084.7	1,009.6	Delhi Haryana	66.67 33.33	125.00 62.50	449.1 560.5
7	Tarapur Atomic	420.00	1,132.74	1,033.16	Maharashtra Gujarat	50.00 50.00	210.00 210.00	558.64 474.52

Off take of Rajasthan as given here includes supply from Chambal and Satpura. The balance is shown against Madhya Pradesh.

TABLE No. 12

Statewise Aggregate Generating Maximum demand by Ownership (MW)@

S. No.	State/Power Corporation	State Electricity Board	Government Department	Government Undertaking	Corporation	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9
1	Andhra Pradesh	520.40	179.60	..	..	..	..	700.00
2	Assam	103.34	..	..	..	..	4.53	107.87
3	Bihar	340.54	3.12	..	..	..	19.84	363.50
4	Gujarat	613.78	..	..	..	0.70	227.96	842.44
5	Haryana	22.24	..	..	..	..	..	22.24
6	Himachal Pradesh	31.80	..	..	..	2.40	..	34.20
7	Jammu and Kashmir	..	60.00	..	..	..	..	60.00
8	Kerala	593.88	..	..	..	..	..	593.88
9	Madhya Pradesh	902.39	..	..	..	..	5.60	907.99
10	Maharashtra	1,193.99	..	388.20	..	..	616.75	2,198.94
11	Manipur	..	3.59	..	..	..	..	3.59
12	Mysore	167.60	824.20	..	..	..	..	991.80
13	Nagaland	..	2.12	..	..	..	..	2.12
14	Orissa	383.98	..	..	..	..	..	383.98
15	Punjab	1,228.03	10.00	..	..	..	..	1,238.03
16	Rajasthan	48.50	..	..	..	..	1.47	49.97
17	Tamil Nadu	1,515.96	..	421.00	..	..	..	1,936.96
18	Tripura	..	2.80	..	..	..	..	2.80
19	Uttar Pradesh	1,391.41	..	..	..	4.10	36.40	1,431.91
20	West Bengal	349.57	3.60	200.00	..	1.43	326.57	881.17
21	D.V.C.	..	..	..	858.00	..	..	858.00
	<i>Union Territories</i>							
	(a) Delhi	..	..	..	..	250.35	..	250.35
	(b) Andaman & Nicobar Islands	..	1.80	..	..	..	..	1.80
	(c) Chandigarh	..	Neg.	..	..	..	..	Neg.
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..
	(e) Goa, Daman and Diu	..	..	..	..	..	2.01	2.01
	(f) Laccadive, Minicoy & Amindive	..	0.21	..	..	..	..	0.21
	(g) N.E.F.A.	..	Data not Available		..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..
	All INDIA	9,407.41	1,091.04	1,009.20	858.00	258.98	1,41.13	13,865.76

@Maximum Demand of the jointly owned Projects have been shown against states having maximum share

TABLE No. 13

Hydro Generating units Commissioned during 1972-73

Sl. No.	Installed at	State/Union Territory	No. of Sets	Cap. of each Set (MW)	Total Cap. (MW)
1	2	3	4	5	6
1	Kosi	Bihar	1	4.8	4.8
2	Nogli	Himachal Pradesh	1	1.0	1.0
3	Kuttiadi	Kerala	3	25.0	75.0
4	Jawahar Sagar*	Madhya Pradesh	2	33.0	66.0
5	U. B. D. C.	Punjab	1	15.0	15.0
6	Jaldhaka	West Bengal	1	9.0	9.0
7	Little Ranjit Hydro Electric	West Bengal	1	1.0	1.0

* Shared by Rajasthan and Madhya Pradesh.

TABLE No. 14

Steam, Gas and Nuclear Generating units Commissioned during 1972-73

Sl. No.	Installed at	State/Union Territory	No. of Sets	Capacity of each Set (MW)	Total Capacity (MW)
1	2	3	4	5	6
1	Ramagundam 'B'	(S) Andhra Pradesh	1	62.5	62.5
2	Gauhati (Chandrapura)	(S) Assam	1	30.0	30.0
3	Tura	(S) Assam	2	2.5	5.0
4	Dhuvran	(S) Gujarat	2	140.0	280.0
5	Parli	(S) Maharashtra	1	30.0	30.0
6	R.A.P.P. (Kota)	(N) Rajasthan	1	200.0	200.0
7	Ennore	(S) Tamil Nadu	1	110.0	110.0
8	Harduaganj 'B' Stage IV	(S) Uttar Pradesh	1	55.0	55.0
9	Obra Thermal Extension	(S) Uttar Pradesh	1	100.0	100.0
10	Indraprastha Extension	(S) Delhi	1	55.0	55.0

(S)---Steam

(N)---Nuclear

TABLE No. 15
Boilers Commissioned during 1972-73

Sl. No.	Installed at	State	No. of Boilers	Evaporating Capacity of each unit in 1000 kg/hr.	Steam condition at the stop value	
					Pressure in kg/CM ²	Temperature in °C
	1	2	3	4	5	6
1	Ramagundam 'B'	Andhra Pradesh	1	281.81	91.4	515
2	Chandrapura	Assam	1	152.41	67.0	487
3	Dhuvran	Gujarat	1	458.25	133.6	540
4	Parli	Maharashtra	1	11.366	61.5	496
5	Harduaganj 'B' Stage IV . .	Uttar Pradesh	1	260.00	96.00	540
6	Ennore	Tamil Nadu	1	370.00	139.00	570
7	Indraprastha Extension . .	Delhi	1	260.00	96.00	538

TABLE No. 16
Acquisition of Electricity Supply Undertakings

Sl. No.	Name of the Undertaking	Prior Ownership	Date & Year of acquisition	By whom acquired
	1	2	3	4
	<i>Generating and Distributing</i>	..	..	..
	<i>Generating, Purchasing and distributing</i>			
	1 Dibrugarh	Company	27-9-72	Assam State Electricity Board.
	2 Tinsukia	Company	27-9-72	Do.
	<i>Purchasing and Distributing</i>			
	1 Bardoli	Company	1-1-73	Gujarat State Electricity Board
	2 Gandhi Dham (Sindhu Resettlement) Adipur .	Company	30-4-72	Do.
	3 Kholvad	Company	15-12-72	Do.
	4 Bhadran	Municipality	31-8-72	Do.
	5 Barsi	Company	18-10-72	Maharashtra State Electricity Board.
	6 Igatpuri (Bhudgaon)	Company	1-10-72	Do.
	7 Madhavnagar	Company	18-6-72	Do.
	8 Saharanpur	Company	15-12-72	Uttar Pradesh State Electricity Board.
	9 Kasganj	Municipality	1-4-72	Do.
	10 Bankura	Company	15-11-72	West Bengal Electricity Board.
	11 Krishnanagar	Company	7-11-72	Do.
	12 Naihati	Company	11-12-72	Do.
	13 Midnapore	Company	22-11-72	Do.
	14 Tarkeshwar	Company	22-12-72	Do.
	15 Bagalkot	Company	14-11-72	Mysore State Electricity Board.

TABLE No. 17

Distribution of Licensee undertaking into (1) Generating (2) Generating and Purchasing
(3) Purchasing and Distributing—Statewise

Sl. No.	State	Number of Companies			
		Generating & Distributing	Generating, Purchasing & Distributing	Purchasing & Distributing	Total
1	2	3	4	5	6
1	Andhra Pradesh	..	..	1	1
2	Assam	..	1	..	1
3	Bihar	..	4	5	9
4	Gujarat	..	7	12	19
5	Haryana	..	..	..	..
6	Himachal Pradesh	..	..	..	..
7	Jammu & Kashmir	..	..	..	..
8	Kerala	..	..	3	3
9	Madhya Pradesh	..	2	3	5
10	Maharashtra	..	2	24	26
11	Manipur	..	..	..	..
12	Meghalaya	..	..	..	..
13	Mysore	..	..	8	8
14	Nagaland	..	..	..	..
15	Orissa	..	..	..	..
16	Punjab	..	..	1	1
17	Rajasthan	2	1	..	3
18	Tamil Nadu	..	..	7	7
19	Tripura	..	..	..	..
20	Uttar Pradesh	..	4	12	16
21	West Bengal	1	3	13	17
<i>Union Territories :</i>					
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..
	(c) Arunachal Pradesh	..	..	..	..
	(d) Chandigarh	..	..	..	..
	(e) Dadra & Nagar Haveli	..	..	..	..
	(f) Goa, Daman & Diu	1	..	..	1
	(g) Laccadive, Minicoy & Amindive	..	..	..	..
	(h) Mizoram	..	..	..	..
	(i) Pondicherry	..	..	..	..
	TOTAL	4	24	89	117

TABLE NO. 18

Distribution of Municipal Undertakings

Sl No.	State	Number of Municipalities			
		Generating & Distributing	Generating, purchasing & Distributing	Purchasing & Distributing	Total
1	2	3	4	5	6
1	Andhra Pradesh . . . . .	..	..	..	..
2	Assam . . . . .	..	..	..	..
3	Bihar . . . . .	..	..	..	..
4	Gujarat . . . . .	..	1	8	9
5	Haryana . . . . .	..	..	..	..
6	Himachal Pradesh . . . . .	..	1	..	1
7	Jammu & Kashmir . . . . .	..	..	..	..
8	Kerala . . . . .	..	..	1	1
9	Madhya Pradesh . . . . .	..	..	..	..
10	Maharashtra . . . . .	..	..	6	6
11	Manipur . . . . .	..	..	..	..
12	Meghalaya . . . . .	..	..	..	..
13	Mysore . . . . .	..	..	..	..
14	Nagaland . . . . .	..	..	..	..
15	Orissa . . . . .	..	..	..	..
16	Punjab . . . . .	..	..	1	1
17	Rajasthan . . . . .	..	1	..	1
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 Islands . . . . .	..	..	..	..
	(c) Arunachal Pradesh . . . . .	..	..	..	..
	(d) Chandigarh . . . . .	..	..	..	..
	(e) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(f) Goa, Daman & Diu . . . . .	..	..	1	1
	(g) Laccadive, Minicoy & Amindive . . . . .	..	..	..	..
	(h) Mizoram . . . . .	..	..	..	..
	(i) Pondicherry . . . . .	..	..	..	..
	TOTAL . . . . .	..	7	33	40

TABLE NO. 19

Classification of undertakings (utilities) owning Generating Stations according to ranges of Installed capacity

Range of Installed Capacity (MW)	State Electricity Board			Government Department/ Electricity Department		
	No. of Under-takings	Aggregate Installed Capacity of the group (MW)	Total Energy Generated by the group (M.kWh)	No. of Under-takings	Aggregate Installed Capacity of the group (MW)	Total Energy Generated by the group (M.kWh)
1	2	3	4	5	6	7
Upto 1.000 . . . . .	..	..	..	1	0.61	0.37
1.000 to 5.000 . . . . .	..	..	..	4	11.57	11.80
5.001 to 10.000 . . . . .	..	..	..	3	20.99	31.87
10.001 to 25.000 . . . . .	..	..	..	1	14.40	4.32
25.001 to 50.000	1	48.34	162.63	..	..	..
50.001 to 100.000 . . . . .	..	..	..	2	141.16	530.79
Over 100.000	15	10,740.27	42,462.29	2	860.75	4,451.67
TOTAL	16	10,788.61	42,624.92	13	1,049.48	5,030.82

Range of Installed Capacity (MW)	Government Undertaking			Power Corporation		
	No. of Under-takings	Aggregate Installed Capacity of the group (MW)	Total Energy generated by the group (M.kWh)	No. of Under-takings	Aggregate Installed Capacity of the group (MW)	Total Energy generated by the group (M.kWh)
1	8	9	10	11	12	13
Upto 1.000 . . . . .	..	..	..	..	..	..
1.001 to 5.000 . . . . .	..	..	..	..	..	..
5.001 to 10.000 . . . . .	..	..	..	..	..	..
10.001 to 25.000 . . . . .	..	..	..	..	..	..
25.001 to 50.000 . . . . .	..	..	..	..	..	..
50.001 to 100.000	1	96.00	206.44	..	..	..
Over 100.000	4	1,505.00	3,824.70	1	1,061.50	4,226.84
TOTAL	5	1,601.00	4,031.14	1	1,061.50	4,226.84

TABLE No. 19—*contd.*

Classification of undertakings (Utilities) owning Generating Stations according to ranges of Installed capacity

Range of Installed Capacity (MW)	Municipality			Companies		
	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	14	15	16	17	18	19
Upto 1.000	1	0.37	..	10	4.89	4.83
1.001 to 5.000	4	8.46	18.40	7	19.46	31.40
5.001 to 10.000	1	6.22	9.01	1	8.37	24.88
10.001 to 25.000 . . . . .	..	..	..	6	91.10	305.50
25.001 to 50.000 . . . . .	..	..	..	1	29.75	114.14
50.001 to 100.000 . . . . .	..	..	..	..	..	..
Over 100.000	1	297.00	1,404.66	3	1,315.50	6,719.46
TOTAL	7	312.05	1,432.07	28	1,469.07	7,200.21

Range of Installed Capacity (MW)	Total		
	No. of Undertakings	Aggregate Installed Capacity of the group (MW)	Total Energy generated by the group (M.kWh)
1	20	21	22
Upto 1.000	12	5.87	5.20
1.001 to 5.000	15	39.49	61.60
5.001 to 10.000	5	35.58	65.76
10.001 to 25.000	7	105.50	309.82
25.001 to 50.000	2	78.09	276.77
50.001 to 100.000	3	237.16	737.23
Over 100.000	26	15,780.02	63,089.62
TOTAL	70	16,281.71	64,546.00

TABLE NO. 20

Classification of Undertakings (Utilities) owning Generating Stations according to ranges of Generation

Range of Generation (M.kWh)	State Electricity Board		Government Department	
	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
Under 1.000 . . . . .	..	..	3	0.69
1.001 to 10.000 . . . . .	..	..	4	21.61
10.001 to 25.000 . . . . .	..	..	2	26.06
25.001 to 50.000 . . . . .	..	..	..	..
50.001 to 100.000 . . . . .	..	..	..	..
100.001 to 250.000	1	162.63	1	241.63
250.001 to 500.000	1	477.80	1	289.16
500.001 to 1000.000	1	531.84	1	618.34
Above 1000.000	13	41,452.65	1	3,833.33
TOTAL	16	42,624.92	13	5,030.82

Range of Generation (M.kWh)	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)
1	6	7	8	9
Under 1.000	1	..	..	..
1.001 to 10.000 . . . . .	..	..	..	..
10.001 to 25.000 . . . . .	..	..	..	..
25.001 to 50.000 . . . . .	..	..	..	..
50.001 to 100.000 . . . . .	..	..	..	..
100.001 to 250.000	1	206.44	..	..
250.001 to 500.000 . . . . .	..	..	..	..
500.001 to 1000.000	1	747.91	..	..
Above 1000.000	2	3,076.79	1	4,226.84
TOTAL	5	4,031.14	1	4,226.84

TABLE No. 20—contd.

Classification of Undertakings (Utilities) owning Generating Stations according to ranges of Generation

Range of Generation (M.kWh)	Municipalities		Companies	
	No. of Under- takings	Total Energy Generated by the group (M.kWh)	No. of Under- takings	Total Energy Generated by the group (M.kWh)
1	10	11	12	13
Under 1.000	2	0.12	9	1.16
1.001 to 10.000	1	4.29	7	18.26
10.001 to 25.000	3	23.00	3	51.94
25.001 to 50.000 . . . . .	..	..	1	34.01
50.001 to 100.000 . . . . .	..	..	4	261.24
100.001 to 250.000 . . . . .	..	..	1	114.14
250.001 to 500.000 . . . . .	..	..	..	..
500.001 to 1000.000 . . . . .	..	..	..	..
Above 1000.000	1	1,404.66	3	6,719.46
TOTAL	7	1,432.07	28	7,200.21

Range of Generation (M.kWh)	Total	
	No. of Undertakings	Total Energy Generated by the group (M. kWh)
1	14	15
Under 1.000	15	1.97
1.001 to 10.000	12	44.16
10.001 to 25.000	8	101.00
25.001 to 50.000	1	34.01
50.001 to 100.000	4	261.24
100.001 to 250.000	4	724.84
250.001 to 500.000	2	766.96
500.001 to 1000.000	3	1,898.09
Above 1000.000	21	60,713.73
TOTAL	70	64,546.00

TABLE NO. 21

Classification of undertakings owning Generating Stations according to the ranges of Generating maximum demand

Range of Maximum Demand (MW)	Public Sector			
	State Elec. Boards		Government Department	
	No. of Undertakings	Aggregate Maximum Demand of the group	No. of Undertakings	Aggregate Maximum Demand of the group
1	2	3	4	5
Upto 0.500	..	..	2	0.21
0.501 to 1.000	..	..	..	..
1.001 to 2.500	..	..	2	3.92
2.501 to 10.000	..	..	5	23.11
10.001 to 25.000	1	22.24	..	..
25.001 to 50.000	2	80.30	..	..
50.001 to 100.000	..	..	2	119.60
Over 100.000	13	9,304.87	2	944.20
TOTAL	16	9,407.41	13	1,091.04

Range of Maximum Demand (MW)	Public Sector					
	Government Undertakings		Power Corporation		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
1	6	7	8	9	10	11
Upto 0.500	1	..	..	..	1	..
0.501 to 1.000	..	..	..	..	2	1.30
1.001 to 2.500	..	..	..	..	2	3.83
2.501 to 10.000	..	..	..	..	1	3.50
10.001 to 25.000	..	..	..	..	..	..
25.001 to 50.000	..	..	..	..	..	..
50.001 to 100.000	1	53.20	..	..	..	..
Over 100.000	3	956.00	1	858.00	1	250.35
TOTAL	5	1,009.20	1	858.00	7	258.98

TABLE No. 21—contd.

Classification of undertakings owning Generating Stations according to the ranges of Generating maximum demand

Range of maximum Demand (MW)	Private Sector		Total	
	Companies		No. of Undertakings	Aggregate Maximum Demand of the group
	No. of Undertakings	Aggregate Maximum Demand of the group		
1	12	13	14	15
Upto 0.500	9	1.11	13	1.32
0.501 to 1.000	2	1.08	4	2.38
1.001 to 2.500	3	5.25	7	13.00
2.501 to 10.000	8	47.13	14	73.74
10.001 to 25.000	3	44.06	4	66.30
25.001 to 50.000 . . . . .	..	..	2	80.30
50.001 to 100.000 . . . . .	..	..	3	172.80
Over 100.000	3	1,142.50	23	13,455.92
TOTAL	28	1,241.13	70	13,865.76

TABLE No. 22

Classification of Hydro Power Stations according to the range of Installed Plant Capacity

Range of Installed Plant Capacity (MW)	No. of Generating Stations	Installed Plant group Total (MW)	Capacity percentage of Total	Energy Generated by the group (M.kWh)	Average Plant Load Factor %
1	2	3	4	5	6
Upto 1,000	24	6.87	0.10	12.69	21.09
1,001 to 10,000	20	71.14	1.05	308.60	49.52
10,001 to 50,000	34	1,051.35	15.49	3,843.14	41.73
50,001 to 100,000	16	1,074.50	15.84	4,324.22	45.94
Over 100,000	17	4,581.55	67.52	18,707.30	46.61
TOTAL	111	6,785.41	100.00	27,195.95	45.75

TABLE NO. 23

Classification of Steam Power Stations according to the range of Installed Plant Capacity

Range of Installed Plant Capacity	No. of Generating Stations	Installed Plant Capacity		Generation (M.kWh)	Total Capacity of Boilers (Tonnes per hour)	Average Capacity of Boilers kg/hr/kW of Generating 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 KW	4	2.57	0.03	0.53	12.57	4.89	8.12	2.40
1.001 to 10.000 KW	25	141.11	1.67	319.79	754.61	5.35	11.91	22.70
10.001 to 50.000 KW	27	568.30	6.71	1,961.28	3,160.71	5.56	15.59	39.40
50.001 to 100.000 KW	15	1,139.50	13.46	4,705.76	5,225.01	4.59	22.54	47.10
Above 100.000 KW	24	6,616.50	78.13	28,626.76	26,208.29	3.96	27.57	49.39
TOTAL	95	8,467.98	100.00	35,614.12	35,361.19	4.18	25.44	48.00

TABLE NO. 24

Distribution of Steam Power Stations according to Overall Thermal Efficiency

Overall Thermal Efficiency	No. of Generating Stations	Aggregate Installed Capacity (MW)	Energy Generated by the group (M.kWh)
1	2	3	4
Under 10%	14	106.16	151.19
Above 10% & upto 15%	19	553.72	1,226.24
Above 15% & upto 20%	17	729.80	3,260.06
Above 20% & upto 25%	8	625.75	3,548.70
Above 25% & upto 30%	19	4,362.10	17,876.27
Above 30%	8	1,965.00	9,551.66
TOTAL	85*	8,342.53	35,614.12

*Does not include 10 Nos. of Power Stations having total aggregate capacity of 125.45 MW due to nil generation & want of adequate data.

TABLE NO. 25

Classification of Gas Turbine Power Stations according to range of Installed Plant Capacity

Range of installed plant capacity (MW)	No. of Generating Stations	Installed Plant Capacity		Energy Generated by the group (M.kWh)	Fuel consumption (Kilo litres)	Fuel consumption in Lit/kWh generated	Average Plant Load Factor %	Remarks
		Group Total (MW)	Percentage of Total					
1	2	3	4	5	6	7	8	9
<i>Gas Turbine Power Stations</i>								
Upto 10.000	1	10.00	5.62	..	..	..	..	..
10.001 to 25.000	3	45.00	25.28	27.52	13,586	0.49	6.98	..
25.001 to 50.000	..	..	..	..	..	..	..	..
50.001 to 100.000	2	123.00	69.10	431.02	219.03 × 10 ⁶ Cu b.Met.	0.50 (Cub. Met/kWh)	40.00	(Natural Gas Turbine)
TOTAL	6	178.00	100.00	458.54	13,586 K. Lit. Diesel & 219.03 × 10 ⁶ cub. Meter Gas			

TABLE NO. 26

Plant Capacity and Generation by A.C. & D.C.

System of Generation	No. of generating Stations	Installed capacity		Generation (Million kWh)
		Aggregate Capacity	Percentage of total	
1	2	3	4	5
Alternating Current only	429*	16,278.29	99.98	64,542.35
Direct Current	5	3.42	0.02	3.65
TOTAL	434	16,281.71	100.00	64,546.00

*This does not include number of Diesel Stations of Assam State Electricity Board (26.24 MW) and Uttar Pradesh State Electricity Board (2.99 MW) for want of details.

H	=	111
S	=	95
D	=	220
G	=	6
A	=	2
		<hr/> 434

TABLE NO. 27

Analysis of Generating Sets according to type of Prime Mover and Ownership

Sl. No	Type of Prime Mover	Public Sector			
		State Electricity Board		Government Departments	
		No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
1	2	3	4	5	6
1.	Water Turbine—				
	A. C. Generator	257	5,403.57	55	992.47
	D. C. Generator . . . . .	..	..	..	..
	Sub-Total	257	5,403.57	55	992.47
2.	Steam Turbine—				
	A. C. Generator	186	5,038.41	6	33.60
	D. C. Generator . . . . .	..	..	..	..
	Sub-Total	186	5,038.41	6	33.60
3.	Reciprocating Steam Engines—				
	A. C. Generator	5	3.78	..	..
	D. C. Generator . . . . .	..	..	..	..
	Sub-Total	5	3.78	..	..
4.	Diesel Engines—				
	A. C. Generator	430*	161.94	186	23.41
	D. C. Generator	20	2.91	..	..
	Sub-Total	450	164.85	186	23.41
5.	Gas Turbine—				
	A. C. Generator	10	178.00	..	..
	D. C. Generator . . . . .	..	..	..	..
	Sub-Total	10	178.00	..	..
6.	Nuclear Turbine—				
	A. C. Generator . . . . .	..	..	..	..
	D. C. Generator . . . . .	..	..	..	..
	Sub-Total . . . . .	..	..	..	..
7.	Total—				
	A. C. Generator	888	10,785.70	247	1,049.48
	D. C. Generator	20	2.91	..	..
	GRAND TOTAL	908	10,788.61	247	1,049.48

*This does not include No. of Diesel Sets of Assam State Electricity Board (26.24 MW), H. P. State Electricity Board (1.19 MW), Orissa State Electricity Board (1.05 MW), U. P. State Elect. Board (2.99 MW), and M. P. Electricity Board (1.32 MW) for want of Data.

TABLE No. 27—contd.

Analysis of Generating Sets according to type of Prime Mover and Ownership

Sl. No.	Type of Prime Mover	Public Sector					
		Government undertaking		Power	Corporation	Municipalities	
		No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
1	2	7	8	9	10	11	12
1.	Water Turbine—						
	A. C. Generator . . .	..	..	6	104.00	21	7.86
	D. C. Generator . . .	..	..	..	..	..	..
	Sub-Total . . .	..	..	6	104.00	21	7.86
2.	Steam Turbine—						
	A. C. Generator . . .	20	981.00	10	957.50	11	276.20
	D. C. Generator . . .	..	..	..	..	..	..
	Sub-Total . . .	20	981.00	10	957.50	11	276.20
3.	Reciprocating Steam Engines ---						
	A. C. Generator . . .	..	..	..	..	..	..
	D. C. Generator . . .	..	..	..	..	..	..
	Sub-Total . . .	..	..	..	..	..	..
4.	Diesel Engines—						
	A. C. Generator . . .	..	..	..	..	37	27.99
	D. C. Generator . . .	..	..	..	..	..	..
	Sub-Total . . .	..	..	..	..	37	27.99
5.	Gas Turbine—						
	A. C. Generator . . .	..	..	..	..	..	..
	D. C. Generator . . .	..	..	..	..	..	..
	Sub-Total . . .	..	..	..	..	..	..
6.	Nuclear Turbine—						
	A. C. Generator . . .	3	620.00	..	..	..	..
	D. C. Generator . . .	..	..	..	..	..	..
	Sub-Total . . .	3	620.00	..	..	..	..
7.	Total—						
	A. C. Generator . . .	23	1,601.00	16	1,061.50	69	312.05
	D. C. Generator . . .	..	..	..	..	..	..
	GRAND TOTAL . . .	23	1,601.00	16	1,061.50	69	312.05

TABLE No. 27—contd.

Analysis of Generating Sets according to type of Prime Mover and Ownership

Sl. No.	Type of Prime Mover	Private Sector		Total		
		Companies		No. of Sets	Aggregate capacity (MW)	Percentage of total installed plant capacity
		No. of Sets	Aggregate capacity (MW)			
1		13	14	15	16	17
1.	Water turbine—					
	A. C. Generator	24	277.51	363	6,785.41	41.68
	D. C. Generator . . . . .	..	..	..	..	..
	Sub-Total	24	277.51	363	6,785.41	41.68
2.	Steam Turbine—					
	A. C. Generator	86	1,175.82	319	8,462.53	51.97
	D. C. Generator . . . . .	..	..	..	..	..
	Sub-Total	86	1,175.82	319	8,462.53	51.97
3.	Reciprocating Steam Engines—					
	A. C. Generator	6	1.40	11	5.18	0.03
	D. C. Generator	3	0.27	3	0.27	Neg.
	Sub-Total	9	1.67	14	5.45	0.03
4.	Diesel Engines—					
	A. C. Generator	43	13.83	696*	227.17*	1.40
	D.C. Generator	4	0.24	24*	3.15*	0.01
	Sub-Total	47	14.07	720*	230.32*	1.41
5.	Gas Turbine—					
	A. C. Generator . . . . .	..	..	10	178.00	1.10
	D. C. Generator . . . . .	..	..	..	..	..
	Sub-Total . . . . .	..	..	10	178.00	1.10
6.	Nuclear Turbine—					
	A. C. Generator . . . . .	..	..	3	620.00	3.81
	D. C. Generator . . . . .	..	..	..	..	..
	Sub-Total . . . . .	..	..	3	620.00	3.81
7.	Total—					
	A. C. Generator	159	1,468.56	1,402	16,278.29	99.99
	D. C. Generator	7	0.51	27	3.42	0.01
	GRAND TOTAL	166	1,469.07	1,429	16,281.71	100.00

TABLE NO. 28

Classification of Hydro Power Plant according to the size of the Sets

Size of the Generating Sets	Public Sector					
	State Electricity Boards		Govt. Departments		Govt. undertakings	
	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
1. A. C. Plant						
Under 1·000 MW	48	13·02	15	3·52	..	..
1·000 to 5·000 MW	28	79·30	15	58·20	..	..
5·001 to 10·000 MW	45	362·60	9	79·20	..	..
10·001 to 20·000 MW	49	717·15	5	75·00	..	..
20·001 to 30·000 MW	21	519·50	3	63·75	..	..
30·001 to 50·000 MW	42	1,762·00	..	..	..	..
Over 50·000 MW	24	1,950·00	8	712·80	..	..
Sub-Total	257	5,403·57	55	992·47	..	..
2. D. C. Plant						
TOTAL	257	5,403·57	55	992·47	..	..

Size of the Generating Sets	Public Sector			
	Power Corporation		Municipalities	
	No. of Sets	Aggregate plant capacity (MW)	No. of Sets	Aggregate plant capacity (MW)
1	8	9	10	11
1. A. C. Plant				
Under 1·000 MW . . . . .	..	..	21	7·86
1·001 to 5·000 MW	2	4·00	..	..
5·001 to 10·000 MW . . . . .	..	..	..	..
10·001 to 20·000 MW	3	60·00	..	..
20·001 to 30·000 MW . . . . .	..	..	..	..
30·001 to 50·000 MW	1	40·00	..	..
Over 50·000 MW . . . . .	..	..	..	..
Sub-Total	6	104·00	21	7·86
2. D. C. Plant				
TOTAL	6	104·00	21	7·86

TABLE NO. 28—contd.

Classification of Hydro Power Plant according to the size of the Sets

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
1. A. C. Plant					
Under 1·000 MW	6	1·51	90	25·91	0·38
1·001 to 5·000 MW . . . . .	..	..	45	141·50	2·09
5·001 to 10·000 MW . . . . .	..	..	54	441·80	6·52
10·001 to 20·000 MW	12	144·00	69	996·15	14·68
20·001 to 30·000 MW	6	132·00	30	715·25	10·54
30·001 to 50·000 MW . . . . .	..	..	43	1,802·00	26·55
Over 50·000 MW . . . . .	..	..	32	2,662·80	39·24
Sub-Total	24	277·51	363	6,785·41	100·00
2. D. C. Plant					
TOTAL	24	277·51	363	6,785·41	100·00

TABLE NO. 29

Classification of Steam Power Plant according to the size of the Sets

Size of Generating Sets	Public Sector					
	State Elec. Board		Govt. Department		Govt. Undertaking	
	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
1. A. C. Plant						
Upto 1·000 MW	14	9·95	2	1·10	..	..
1·001 to 5·000 MW	68	241·74	..	..	..	..
5·001 to 10·000 MW	15	123·75	4	32·50	..	..
10·001 to 20·000 MW	18	266·25	..	..	6	96·00
20·001 to 30·000 MW	18	540·00	..	..	2	60·00
30·001 to 50·000 MW	19	914·00	..	..	6	300·00
Over 50·000 MW	39	2,946·50	..	..	6	525·00
Sub-Total	191	5,042·19	6	33·60	20	981·00
2. D. C. Plant						
Under 1·000 MW . . . . .	..	..	..	..	..	..
TOTAL	191	5,042·19	6	33·60	20	981·00

TABLE No. 29—contd.

Classification of Steam Plant according to the size of the Sets

Size of Generating Sets	Public Sector				Private Sector	
	Power Corporation		Municipalities		Companies	
	No. of Sets	Aggregate Plant capacity (MW)	No. of Sets	Aggregate Plant capacity (MW)	No. of Sets	Aggregate Plant capacity (MW)
1	8	9	10	11	12	13
1. A. C. Plant						
Under 1·000 MW . . . . .	..	..	..	..	10	4·90
1·001 to 5·000 MW . . . . .	..	..	1	5·00	42	146·82
5·001 to 10·000 MW . . . . .	..	..	5	39·60	9	65·50
10·001 to 20·000 MW . . . . .	..	..	1	15·00	16	252·50
20·001 to 30·000 MW . . . . .	..	..	..	..	9	270·00
30·001 to 50·000 MW . . . . .	..	..	1	36·60	2	100·00
Over 50·000 MW	10	957·50	3	180·00	4	337·50
Sub-Total	10	957·50	11	276·20	92	1,177·22
2. D. C. Plant						
Under 1·000 MW . . . . .	..	..	..	..	3	0·27
TOTAL	10	957·50	11	276·20	95	1,177·49

Size of the Generating Sets	Total		Percentage of total Steam plant
	No. of Sets	Aggregate Plant capacity (MW)	
1	14	15	16
1. A. C. Plant			
Under 1·000 MW	26	15·95	0·19
1·001 to 5·000 MW	111	393·56	4·65
5·001 to 10·000 MW	33	261·35	3·09
10·001 to 20·000 MW	41	629·75	7·43
20·001 to 30·000 MW	29	870·00	10·28
30·001 to 50·000 MW	28	1,350·60	15·95
Over 50·000 MW	62	4,946·50	58·41
Sub-Total	330	8,467·71	100·00
2. D. C. Plant			
Under 1·000 MW	3	0·27	Neg.
TOTAL	333	8,467·98	100·00

Neg. — Negligible.

TABLE
Classification of Gas Turbine Power Plant

Size of the Generating Sets	PUBLIC SECTOR							
	State Elec'y. Boards		Govt. Deptts.		Government Undertakings		Power Corporation	
	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)
1	2	3	4	5	6	7	8	9
GAS TURBINE PLANT								
I. A.C. Plant:—								
Upto 10,000 MW	3	30.00	..	..	..	..	..	..
Above 10,000 MW	7	148.00	..	..	..	..	..	..
II. D.C. Plant:—								
..
SUB-TOTAL	10	178.00	..	..	..	..	..	..

TABLE
Classification of Generating Sets

Sl. No.	No. of Phase	Voltage of Generation	Type of Plant	Public Sector	
				State Electricity Board	
				No. of Sets.	Aggregate Capacity (MW)
1	2	3	4	5	6
ALTERNATING CURRENT					
1	3	33 kV	H S	....	....
2	3	10.5 to 13.8 kV	H S G A	195 124 10 ..	5296.15 4724.25 178.00 ..
3	3	5 to 6.6 kV	H S	9 42	28.50 255.19
4	3	2 to 3.9 kV	H S	26 20	74.67 54.25
5	3	400 to 460 V	H S	27 5	4.25 8.50
6	1	230 Volts	H S	....	....
DIRECT CURRENT					
7	3 Wire	400-500 V	H S	....	....
8	2 Wire	220 V	H S	....	....
SUB-TOTALS			H S G A	257 191 10 ..	5403.57 5042.19 178.00 ..

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

X9(D66):732.2sn

No. 30

According to the Size of the Sets (Ownership-Wise)

PUBLIC SECTOR		PRIVATE SECTOR				
Municipalities		Companies		Total		
No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	Percentage of total plant Capacity
10	11	12	13	14	15	16
..	3	30.00	16.9
..	7	148.00	83.1
..
..	10	178.00	100.00

No. 31

According to Voltage of Generation

PUBLIC SECTOR					
Government Departments		Government Undertakings		Power Corporation	
No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
7	8	9	10	11	12
..
..
30	946.75	..	..	6	104.00
1	10.00	16	897.00	10	957.50
..	..	3	620.00	..	..
..
14	44.32	..	..	..	..
3	22.50	4	84.00	..	..
..
..
11	1.40	..	..	..	..
2	1.10	..	..	..	..
..
..
..
..
..
..
55	992.47	..	..	6	104.00
6	33.60	20	981.00	10	957.50
..	..	3	620.00	..	..
..

TABLE No. 31—contd.

Classification of Generating Sets According to Voltage of Generation

Sl. 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
		<i>ALTERNATING CURRENT</i>							
1	3	33 kV	H S	.. ..	.. ..	.. 10	.. 330.00	.. 10	.. 330.00
2	3	10.5 to 13.8 kV	H S G A	.. 7 .. ..	.. 250.80 .. ..	.. 25 .. ..	.. 585.00	231 183 10 3	6,346.90 7,424.55 178.00 620.00
3	3	5 to 6.6 kV	H S	2 4	1.00 25.40	18 22	276.00 192.00	43 75	349.82 579.09
4	3	2 to 3.9 kV	H S	12 ..	3.86 ..	6 35	1.51 70.22	44 55	80.04 124.47
5	3	400 to 460 V	H S	7 ..	3.00 ..	.. ..	.. ..	45 7	8.65 9.60
6	1	230 V	H S	....	....	....	....	....	....
		<i>DIRECT CURRENT</i>							
7	3 Wire	400—500 V	H S	.. ..	.. ..	.. 3	.. 0.27	.. 3	.. 0.27
8	2 Wire	220 V	H S	....	....	....	....	....	....
		SUB-TOTALS	H S G A	21 11	7.86 276.20	24 95	277.51 1177.49	363 333 10 2	6,785.41 8,467.98 178.00 620.00

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

TABLE NO. 32
Fuel Consumption

Sl No.	State	STEAM POWER STATION					
		Coal (Tonnes)	Furnace Oil (K. L.)	Natural & other Gaseous fuel Cu. Meters/M. Tons.	Heat input (K. Cal. × 109)	Gross Generation (Million kWh)	Average Heat Input in (K. Cal./kWh) generated
1	2	3	4	5	6	7	8
1	Andhra Pradesh	1,440,066	10,278	..	6,745·90	2,030·28	3,322
2	Assam	..	3,400	..	20·74	2·40	8,642
3	Bihar	1,117,116	113,655	..	6,677·26	2,041·29	3,271
4	Gujarat	887,124	867,327	142·064 (M. Cu. m)	1,6187·30	4,430·31	3,654
5	Haryana	75,982	..	..	321·81	102·77	3,131
6	Himachal Pradesh	..	..	..	..	..	..
7	Jammu & Kashmir	29,200	..	..	181·04	25·00	7,242
8	Karnataka	..	..	..	..	..	..
9	Kerala	..	..	..	..	..	..
10	Madhya Pradesh	2,344,739	15,337	..	10,617·81	3,353·15	3,166
11	Maharashtra	2,834,268	468,270@	8551 M.T. (Refinery gas)	19,003·09	5,957·82	3,190
12	Manipur	..	..	..	..	..	..
13	Nagaland	..	..	..	..	..	..
14	Orissa	₹431,274	..	..	2,076·58	639·17	3,249
15	Punjab	₹28,298	..	..	125·34	27·28	4,595
16	Rajasthan	₹47,796	4,162	..	323·98	27·40	9,585
17	Tamil Nadu	@@2,898,577	105,931	..	9,008·31	2,869·82	3,139
18	Tripura	..	..	..	..	..	..
19	Uttar Pradesh	3,114,057	26,557	..	16,223·54	4,055·03	3,999
20	West Bengal	2,665,031	31,486	..	15,643·90	4,294·15	3,643
21	D.V.C.	2,230,459	35,219	..	11,700·18	4,014·70	2,914
<i>Union Territories</i>							
	(a) Delhi	913,250	40,077£	..	5,500·10	1,742·55	3,156
	(b) A & N Islands	11,832\$	..	..	14·79	1·00	14,790
	(c) Chandigarh	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..
	(f) L. Minicoy & Amindive	..	..	..	..	..	..
	(g) N.E.F.A.	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..
ALL INDIA TOTAL		21,069,069	1,721,699	142·064 Cu. Ms. 8,551 M.T. Ref. Gas	120,371·67 × 109	35,614·12	3,379

- @ Includes 458.354 M.T. of Furnace oil equivalent of Low & High Sulphur pitch.
 @@ Includes 2,391.000 Metric Tonnes of lignite used in Neyveli Power Station.
 £ Includes 3223 K.L. of diesel oil used.
 \$ Wood Fuel.

TABLE No. 32—contd.
Fuel Consumption

Sl. No.	State	Gas Turbine and Diesel Power Stations		
		Oil consumption (K.L.)	Generation (Million kWh)	Average Oil consumption (Lit/kWh) generated
1	2	9	10	11
1	Andhra Pradesh	11,561 ¹	23·28	0·50
2	Assam	4,599 ²	260·34 ³	0·40
3	Bihar	1,819	5·10	0·36
4	Gujarat	1,923 ⁴	187·59 ⁵	0·34
5	Haryana	1,298	3·27	0·40
6	Himachal Pradesh	111	0·29	0·38
7	Jammu & Kashmir	2,578	8·94	0·29
8	Karnataka	..	..	..
9	Kerala	..	..	..
10	Madhya Pradesh	80	0·16	0·50
11	Maharashtra	277	0·55	0·50
12	Manipur	3,358	11·42	0·29
13	Nagaland	182	0·32	0·57
14	Orissa	370	0·70	0·53
15	Punjab	10,070	36·56	0·28
16	Rajasthan	4,183	10·53	0·40
17	Tamil Nadu	..	..	..
18	Tripura	2,526	5·81	0·43
19	Uttar Pradesh	2,856 ⁶	5·84 ⁷	0·49
20	West Bengal	3,230	8·72	0·37
21	D.V.C.	..	..	..
	<i>Union Territories</i>			
	(a) Delhi	7,154	23·67	0·30
	(b) A & N Islands	1,544	4·45	0·35
	(c) Chandigarh	..	Neg.	..
	(d) Dadra & Nagar Haveli	..	..	..
	(e) Goa, Daman & Diu	1,812	5·28	0·34
	(f) L. Minicoy & Amindive	210	0·37	0·57
	(g) N.E.F.A.	..	..	..
	(h) Pondicherry	..	..	..
	ALL INDIA TOTAL	61,741	603·19*	0·36*

¹ All diesel oil consumed by Gas Turbine Plant, Erragada.

² The Gas Turbines at Naharkatia consume Natural Gas. The figure represents therefore the diesel oil used only by diesel engine stations.

³ Includes 249·02 million kWh generated by Gas Turbine at Naharkatia.

⁴ The Gas Turbines at Dhuvaran consume Natural gas. The figure represents therefore the diesel oil used only by the diesel engine stations.

⁵ Includes 182·00 million kWh generated by gas turbine at Dhuvaran.

⁶ Includes diesel oil consumed by gas turbine.

⁷ Includes 4·24 million kWh generated by gas turbine at Muradnagar.

* Includes 431·02 million kWh energy generated by gas turbine consuming.

TABLE NO. 33

Utilization of Electricity Generated, Purchased, sold and Energy Losses — All India Utilities—1972-73.

Sl. No.	Item	Energy (Million kWh)	As percentage of Item 5
1	2	3	4
1	Energy generated (gross) (Utilities)	64,546.00	105.5
2	Energy used by power station auxiliaries	3,397.94	5.5
3	Energy generated (Net) —(1)–(2)	61,148.06	99.7
4	Energy purchased from non-utilities	177.85	0.3
5	Energy available for supply—(3)+(4)	61,325.91	100.0
6	Energy sold to Ultimate consumers	49,088.06	80.0
7	Energy sold to the other countries (Nepal) & (Bhutan)	7.83	Neg.
8	Energy lost in transformation, transmission and distribution and unaccounted for (5)–(6) + (7).	12,230.02	20.0

TABLE NO. 34

Statement Showing Inter-State Transfer of Power— Region-wise (1972—73)

Sl. No.	Name of Supplier	Name of Purchaser	Maximum Demand	Units Transferred
1	2	3	4	5
A.	NORTHERN REGION			
1	Bhakra Management Board	Punjab State Elect. Board	N.A.	1,419.59
2	Do.	Haryana State Elect. Board	N.A.	1,049.53
3	Do.	Rajasthan State Elect. Board	N.A.	459.55
4	Do.	Delhi Elect. Supply Undertaking	N.A.	316.43
5	Do.	Jammu and Kashmir	N.A.	36.47
6	Do.	Himachal Pradesh Elect. Board	N.A.	195.14
7	Do.	Chandigarh	N.A.	111.21
8	Do.	Nangal Fertilizers	N.A.	884.02
9	Haryana State Elect. Board	Himachal Pradesh Elect. Board	N.A.	11.98
10	Do.	Rajasthan State Elect. Board	N.A.	1.27
11	Himachal Pradesh Elect. Board	Punjab State Elect. Board	N.A.	145.00
12	Delhi Elect. Supply Undertaking	Uttar Pradesh State Elect. Board	N.A.	7.54
13	Do.	Haryana State Elect. Board	N.A.	235.56
B.	WESTERN REGION			
14	Gujarat Electricity Board	Dadra & Nagar Haveli	0.60MVA	1.79
15	Do.	Goa, Daman and Diu (a) Daman Area (b) Diu Area	0.32MVA 0.94MVA	0.77 2.72

TABLE No. 34—contd.

Statement Showing Inter-State Transfer of Power—Region-wise (1972-73)

Sl. No.	Name of Supplier	Name of Purchaser	Maximum Demand	Units Transferred
1	2	3	4	5
16	Gujarat Elect. Board	Maharashtra State Elect. Board	N.A.	45.22*
17	Madhya Pradesh State Elect. Board	Do.	32.17MV	91.84
18	Maharashtra State Elect. Board	Madhya Pradesh State Elect. Board	13.25MVA	18.19
19	Do.	Govt. of Goa, Daman and Diu	4.5MVA	4.58
C. SOUTHERN REGION				
20	Tamil Nadu State Elect. Board	Kerala State Elect. Board	N.A.	2.63
21	Do.	Govt. of Pondicherry	26.04MVA	99.67
22	Do.	A.P. State Elect. Board	N.A.	44.25
23	Mysore State Elect. Board	Do.	N.A.	103.18
24	Do.	Tamil Nadu State Elect. Board	N.A.	3.18
25	A.P. State Elect. Board	Do.	N.A.	5.88
26	Do.	Mysore State Elect. Board	N.A.	55.47
27	Kerala State Elect. Board	Tamil Nadu State Elect. Board	N.A.	301.02
28	Do.	Govt. of Pondicherry	0.84 MVA	3.11
29	Do.	Mysore State Elect. Board	N.A.	0.16
D. EASTERN REGION				
30	Bihar State Elect. Board@	Damodar Valley Corporation	N.A.	54.02
31	West Bengal State Elect. Board (Bandal)@.	Do.	N.A.	0.03
32	Durgapur Project shed@	Do.	N.A.	48.53
33	Fertilizer Corpn. of India (Sindri)@	Do.	N.A.	2.84
34	Bokaro Steel Plant@	Do.	N.A.	58.70
35	Damodar Valley Corpn.@	Durgapur Projects Ltd.	N.A.	44.27
36	Do.@	West Bengal State Elect. Board	N.A.	0.03
37	Do.@	Bihar State Elect. Board	N.A.	19.25
38	Do.	West Bengal State Elect. Board	N.A.	271.74
39	Do.	Bihar State Elect. Board	N.A.	907.25
40	Do.	Sijua Jharia Co.	N.A.	159.27
41	Do.	Dishergarh Co., Calcutta & Sibpore	N.A.	67.26
42	Orissa State Elect. Board	Bihar State Elect. Board	N.A.	10.49
E. NORTH EASTERN REGION				
43	Assam State Elect. Board	Government of Nagaland	N.A.	6.04
44	Do.	Tripura	N.A.	7.30
45	Do.	Arunachal Pradesh	N.A.	0.04

TABLE No. 34---concl'd.

Statement Showing Inter State Transfer of Power---Regionwise (1972-73)

Sl. No.	Name of Supplier	Name of Purchaser	Maximum Demand	Units Transferred
1	2	3	4	5
F.	<i>INTER REGIONAL TRANSFER OF POWER</i>			
	<i>WESTERN REGION</i>	<i>NORTHERN REGION</i>		
46	Madhya Pradesh State Elect. Board	Punjab State Elect. Board	N.A.	25.94
47	Do.	Rajasthan State Elect. Board	N.A.	4.36
48	Do.	U.P. State Elect. Board	N.A.	408.14
	<i>SOUTHERN REGION</i>	<i>WESTERN REGION</i>		
49	Mysore State Elect. Board	Goa, Daman and Diu	N.A.	104.21
50	Do.	Maharashtra State Elect. Board	N.A.	66.02
	<i>NORTHERN REGION</i>	<i>EASTERN REGION</i>		
51	Uttar Pradesh State Elect. Board	Bihar State Electricity Board	76.6MVA	138.77
D.	<i>EASTERN REGION</i>	<i>NORTHERN REGION</i>		
52	Bihar State Elect. Board	Uttar Pradesh State Electricity Board	N.A.	204.08
53	Damodar Valley Corporation	Do.	N.A.	54.02
	<i>WESTERN REGION</i>	<i>SOUTHERN REGION</i>		
54	Maharashtra State Elect. Board @	Andhra Pradesh State Electricity Board	N.A.	17.68
55	Do.	Mysore State Electricity Board	N.A.	45.38
	<i>NORTHERN REGION</i>	<i>WESTERN REGION</i>		
56	Uttar Pradesh State Elect. Board	Madhya Pradesh State Electricity Board	N.A.	149.52
57	Bihar	Nepal	N.A.	7.77

@Through inter connected system.

*Over drawl by Maharashtra State Electricity Board from Tarapore Atomic Power Projects.

Note:--D.V.C. treated as a separate entity for the purpose of this table.

TABLE NO. 35

Statewise Energy Generation, Purchase, Utilisation & Losses

Sl. No.	State	Energy generated from Power Houses other than jointly owned (Net) (Million kWh)	Energy received from (Million kWh)		
			Jointly owned Projects/ DVC including losses	Self-generating industries	Outside the State (as purchased)
1	2	3	4	5	6
1	Andhra Pradesh	2349.48	601.87	..	165.11
2	Assam@@@	472.44	..	..	..
3	Bihar	1814.00	2814.13	62.91	149.97
4	Gujarat	4293.30	474.52	114.74	..
5	Haryana	94.75	1386.06	..	235.31
6	Himachal Pradesh	173.53	195.14	..	11.98
7	Jammu and Kashmir	233.89	..	..	36.47
8	Kerala	2330.80	..	..	2.63
9	Madhya Pradesh	1761.90	1399.51	..	167.71
10	Maharashtra	9436.76	558.64	..	157.85
11	Meghalaya	DATA INCLUDED IN ASSAM			
12	Mysore	4351.22	65.99	..	101.01
13	Manipur	12.09	..	..	..
14	Nagaland	0.29	..	..	10.50
15	Orissa	1601.08	236.98	..	..
16	Punjab@@	505.07	2349.61	..	170.94
17	Rajasthan	34.33	1782.88	..	5.63
18	Tamil Nadu	6662.67	..	..	310.08
19	Tripura	5.70	..	..	7.30
20	Uttar Pradesh	6405.66	..	..	619.76
21	West Bengal	4017.45	1000.99	..	923.01
	<i>Union Territory</i>				
	(a) Delhi	613.96	989.51	..	Nil
	(b) Andaman & Nicobar Islands	5.13	..	..	..
	(c) Chandigarh	Neg.	111.21	..	..
	(d) Dadra & Nagar Haveli	..	..	..	1.79
	(e) Goa, Daman and Diu	5.16	..	..	112.29
	(f) Laccadive M. & A. Islands	0.36	..	..	..
	(g) Arunachal Pradesh	..	..	..	..
	(h) Pondicherry	..	..	..	102.78
	ALL INDIA	47181.02	13967.04	177.65	3292.12

@@@Sales to Bhutan and Arunachal Pradesh 0.2 (M. kWh) and 0.4 (M. kWh) respectively not shown in Assam.

@@Nangal Fertilizer & I. B. have been taken as consumers of Punjab State and sales to Nangal Fertilizers & I. B. have been taken as receipt by Punjab State from the B. M. B. shown in Col. 4.

TABLE No. 35—contd.

Statewise Energy Generation, Purchase, Utilisation & Losses

Sl. No.	State	Energy available for distribution within the State and for inter-state sale (Million kWh) (3+4+5+6)	Energy sent out to/sold to.		
			Other States	Ultimate consumers	Total (8+9)
1	2	7	8	9	10
1	Anhra Pradesh	3116.46	61.35	2168.13	2229.48
2	Assam @@@	472.44	17.86	380.96	398.82
3	Bihar	4841.01	1134.86@	2708.85	3843.71@
4	Gujarat	4882.76	5.28	3939.90	3945.18
5	Haryana	1716.12	13.25	1262.30	1275.55
6	Himachal Pradesh	380.65	145.00	168.80	313.80
7	Jammu and Kashmir	270.36	..	188.50	188.50
8	Kerala	2333.43	304.29	1670.96	1975.25
9	Madhya Pradesh	3329.12	530.28	2304.31	2834.59
10	Maharashtra	10153.25	85.83	8813.78	8899.61
11	Meghalaya	DATA INCLUDED IN ASSAM			
12	Mysore	4518.22	276.59	3486.10	3762.69
13	Manipur	12.09	..	8.91	8.91
14	Nagaland	10.79	..	9.03	9.03
15	Orissa	1838.06	10.49	1656.54	1667.03
16	Punjab@@	3025.62	36.47	2287.45	2323.92
17	Rajasthan	1822.84	..	1260.34	1260.34
18	Tamil Nadu	6972.75	146.55	5363.17	5509.72
19	Tripura	13.00	..	9.94	9.94
20	Uttar Pradesh	7025.42	288.29	4677.00	4965.29
21	West Bengal	5941.45	0.71	5235.99	5236.70
	<i>Union Territory</i>				
	(a) Delhi	1603.47	242.85	1213.17	1456.02
	(b) Andaman & Nicobar Islands	5.13	..	3.33	3.33
	(c) Chandigarh	111.21	..	83.70	83.70
	(d) Dadra & Nagar Haveli	1.79	..	1.18	1.18
	(e) Goa Daman and Diu	117.45	..	96.54	96.54
	(f) Laccadive M. & A. Islands	0.36	..	0.30	0.30
	(g) Arunachal Pradesh	DATA NOT AVAILABLE			
	(h) Pondicherry	102.78	..	88.88	88.88
	ALL INDIA	64618.03	3299.95@	49088.06	52388.01

@Includes 7.77 M. kWh Energy sold to Nepal Govt.

TABLE No. 35—concl'd.

Statewise Energy Generation, Purchase, Utilisation & Losses

Sl No.	State	Transformation, Trans- mission, Distribution losses and energy unaccounted for	
		Million kWh (7—10)	% of Col. 7
1	2	11	12
1	Andhra Pradesh	886.98	28.46
2	Assam @@@	73.62	15.56
3	Bihar	997.30	20.60
4	Gujarat	937.58	19.20
5	Haryana	440.57	25.67
6	Himachal Pradesh	66.85	17.56
7	Jammu and Kashmir	81.86	30.28
8	Kerala	358.18	15.35
9	Madhya Pradesh	494.53	14.85
10	Maharashtra	1253.64	12.34
11	Meghalaya	DATA INCLUDED IN ASSAM	
12	Mysore	755.53	16.72
13	Manipur	3.18	26.30
14	Nagaland	1.76	16.31
15	Orissa	171.03	9.30
16	Punjab@@	701.70	23.19
17	Rajasthan	562.50	30.86
18	Tamil Nadu	1463.03	20.98
19	Tripura	3.06	23.54
20	Uttar Pradesh	2060.13	29.32
21	West Bengal	704.75	11.87
	<i>Union Territory</i>		
	(a) Delhi	147.45	9.20
	(b) Andaman & Nicobar Islands	1.80	35.08
	(c) Chandigarh	27.51	24.74
	(d) Dadra & Nagar Haveli	0.61	34.07
	(e) Goa Daman and Diu	20.91	17.80
	(f) Laccadive M. & A. Islands	0.06	16.67
	(g) Arunachal Pradesh	DATA NOT AVAILABLE	
	(h) Pondicherry	13.90	13.52
	ALL INDIA	12230.02	19.94

TABLE No. 36

Energy Generation, Purchase, Utilisation and Losses by the State Electricity Boards and D.E.S.U

Sl. No.	Electricity Boards and Delhi Electric Supply Undertaking	Energy generated from Power Houses other than jointly owned (net) (Million kWh)	Energy Received from (Million kWh)		
			Utilities within the State and jointly owned	Utilities outside the State	Self Generating Industries
1	2	3	4	5	6
1	Andhra Pradesh	2349.48	601.87	165.11	..
2	Assam	468.52	..	..	..
3	Bihar	1720.67	926.50	149.97	1.37
4	Gujarat	2902.18	633.22	..	114.94
5	Haryana	94.75	1386.06	235.51	..
6	Himachal Pradesh	162.20	..	195.14	..
7	Jammu & Kashmir	233.89	..	36.47	..
8	Kerala	2330.80	..	2.63	..
9	Madhya Pradesh	1753.05	1399.51	167.71	..
10	Maharashtra	5928.60	977.66	157.85	..
11	Mysore	526.58	3890.63	101.01	..
12	Orissa	1601.08	236.98	..	..
13	Punjab	505.07	1419.59	170.94	..
14	Rajasthan	30.75	1782.88	5.63	..
15	Tamil Nadu	4932.99	1480.93	310.08	..
16	Uttar Pradesh	6200.95	..	619.76	..
17	West Bengal	1544.09	740.75	..	..
	(a) Delhi Electric Supply Undertaking	590.76	989.51	..	..

TABLE No. 36--contd.

Energy Generation, Purchase, Utilisation and Losses by the State Electricity Boards and D.E.S.U

Sl No	Electricity Boards and Delhi Electric Supply Undertaking	Energy available for supply including sales outside the States (Million kWh) (3+4+5+6)	Energy Sold (Million kWh)		
			Licenses within the State	Other State	Ultimate Consumers
1	2	7	8	9	10
1	Andhra Pradesh	3116.46	..	61.35	2168.13
2	Assam	468.52	24.80	17.86	355.29
3	Bihar	2798.51	163.78	265.87	1500.92
4	Gujarat	3650.34	459.40	5.28	2406.31
5	Haryana	1716.12	..	13.25	1262.30
6	Himachal Pradesh	357.34	23.70	145.00	142.29
7	Jammu & Kashmir	270.36	..	..	188.50
8	Kerala	2333.43	69.01	304.29	1634.66
9	Madhya Pradesh	3320.27	77.58	530.28	2231.06
10	Maharashtra	7064.11	2730.15	85.83	3227.47
11	Mysore	4518.22	54.39	276.59	3446.30
12	Orissa	1838.06	..	10.49	1656.54
13	Punjab	2095.60	102.40	36.47	1334.25
14	Rajasthan	1819.26	30.59	..	1230.99
15	Tamil Nadu	6724.00	498.50	146.55	4703.29
16	Uttar Pradesh	6820.71	446.82	288.29	4209.42
17	West Bengal	2284.84	879.06	..	1211.41
	(a) Delhi Electric Supply Undertaking	1603.47	275.56	242.85	955.17

TABLE No. 36—concl'd.

Energy Generation, Purchase, Utilisation and Losses by the State Electricity Boards and D.E.S.U.

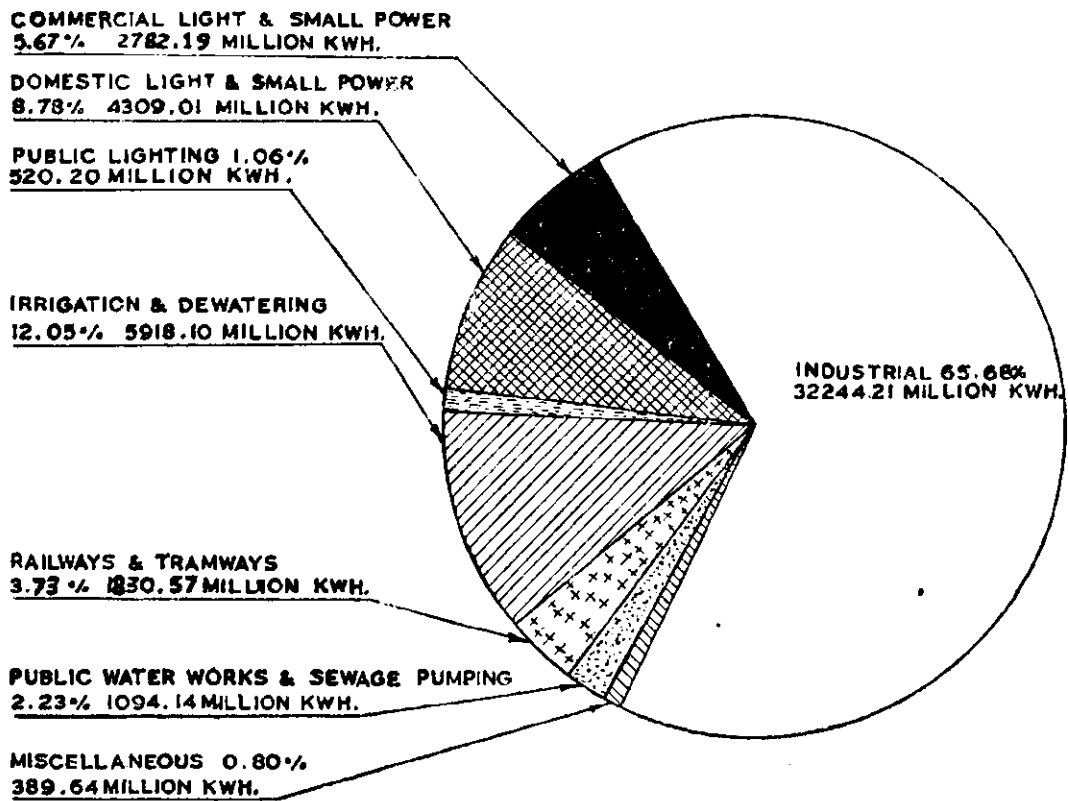
Sl. No.	Electricity Boards and Delhi Electric Supply Undertaking	Transformation, Transmission, Distribution and un-accounted for losses	
		Million kWh	%
1	2	11	12
1	Andhra Pradesh	886.98	28.46
2	Assam	70.57	15.06
3	Bihar	867.94	31.01
4	Gujarat	779.35	21.35
5	Haryana	440.57	25.67
6	Himachal Pradesh	46.35	12.97
7	Jammu & Kashmir	81.86	30.28
8	Kerala	325.47	13.95
9	Madhya Pradesh	481.35	14.50
10	Maharashtra	1020.66	14.45
11	Mysore	740.94	16.40
12	Orissa	171.03	9.30
13	Punjab	622.48	29.70
14	Rajasthan	557.68	30.65
15	Tamil Nadu	1375.66	20.46
16	Uttar Pradesh	1876.18	27.51
17	West Bengal	194.37	8.59
	(a) Delhi Electricity Supply Undertaking	129.89	8.10

TABLE No. 37

Energy Sales 1972-73 (Category-Wise)

Sl. No.	Category	Energy sold in 1972-73 (M. kWh)	Percentage to total sales	Energy sold in 1971-72 (M. kWh)	Percentage increase over year 1971-72
1	2	3	4	5	6
1	Domestic	4309.01	8.78	4107.46	4.91
2	Commercial	2782.19	5.67	2942.78	(-)-5.46
3	Industrial Power	32244.21	65.68	31637.18	1.92
4	Public Lighting	520.20	1.06	490.81	5.99
5	Railways/Tramways	1830.57	3.73	1632.69	12.12
6	Agriculture	5918.10	12.05	5005.62	18.23
7	Public Water Works & Sewage Pumping	1094.14	2.23	1008.64	8.48
8	Miscellaneous	389.64	0.80	238.02	63.70
	TOTAL	49088.06	100.00	47063.20	4.30

ENERGY SALES 1972-73



TOTAL SALES DURING THE YEAR
49088.06 (100%) MILLION KWH.

TABLE No. 38

Statewise Energy Sales by Utilities to Ultimate Consumers—1972-73 (Million kWh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial power at low and medium voltage	Industrial power and high voltage
1	2	3	4	5	6	7
1	Andhra Pradesh	2168.13	193.78	205.04	161.16	983.40
2	Assam	380.96	50.05	79.96	95.89	139.24
3	Bihar (B)	2708.85	103.85	111.28	173.23	1826.85
4	Gujarat	3939.90	276.00	125.93	452.16	2250.20
5	Haryana	1262.30	76.29	86.18	165.94	414.59
6	Himachal Pradesh	168.80	29.36	17.95	23.63	1.74
7	Jammu & Kashmir	188.50	70.50	19.25	66.50	..
8	Kerala	1670.96	123.34	85.34	148.61	1195.70
9	Madhya Pradesh	2304.31	157.14	135.50	186.26	1547.04
10	Maharashtra	8813.78	811.57	573.82	820.13	5164.24
11	Manipur	8.91	7.46	0.05	1.25	..
12	Mysore	3486.10	287.79	72.46	317.65	2395.94
13	Nagaland	9.03	3.99	2.55	1.25	0.26
14	Orissa	1656.54	30.90	44.36	41.84	1417.10
15	Punjab	2287.45	170.34	111.92	268.02	1100.90 (C)
16	Rajasthan	1260.34	88.75	70.26	139.62	623.72
17	Tamil Nadu	5363.17	360.43	314.86	381.54	2519.58
18	Tripura	9.94	5.40	0.66	2.00	..
19	Uttar Pradesh	4677.00	396.44	122.88	665.09	2323.82
20	West Bengal (B)	5235.99	677.04	299.84	308.23	3330.00
	<i>Union Territories</i>					
	(a) Andaman & Nicobar Islands	3.33	2.14	0.39	0.56	..
	(b) Chandigarh	83.70	16.45	23.77	11.65	15.21
	(c) Dadra & Nagar Haveli	1.18	0.23	0.17	0.11	0.50
	(d) Delhi	1213.17	348.70	265.84	107.58	346.35
	(e) Goa, Daman and Diu	96.54	9.78	5.76	5.31	64.26
	(f) Laccadive & Minicoy Islands	0.30	0.18	0.09	0.02	..
	(g) Pondicherry	88.88	11.11	6.08	0.69	37.65
	(h) Arunachal Pradesh		DATA NOT AVAILABLE			
	(E) ALL INDIA TOTAL	49088.06	4309.01	2782.19	4545.92	27698.29

(A)—Includes Public Water Works.

(B)—Includes D.V.C. sales to ultimate consumers within the State.

(C)—Includes N.F.F.

TABLE NO. 38—contd.

Statewise Energy Sales by Utilities to Ultimate Consumers—1972-73 (Million kWh)

Sl. No.	State	Public lighting	Traction	Agricultural	Public water works and sewage pumping	Miscellaneous	
1	2	8	9	10	11	12	
1	Andhra Pradesh	30.25	..	530.60	48.60	15.30	
2	Assam	5.22	..	1.50	7.30	1.80	
3	Bihar (B)	6.30	364.19	75.03	40.65	7.47	
4	Gujarat	41.26	..	661.22	115.81	17.33	
5	Haryana	4.72	..	499.28	9.32	5.98	
6	Himachal Pradesh	1.49	..	1.38	15.29	77.96(D)	
7	Jammu & Kashmir	3.60	..	11.30	17.35	..	
8	Kerala	29.33	..	76.27	12.37	..	
9	Madhya Pradesh	27.27	61.70	120.76	68.64	..	
10	Maharashtra	85.95	671.26	456.82	141.03	88.96	
11	Manipur	0.15	..	..	..	..
12	Mysore	63.51	..	237.54	111.21	..	
13	Nagaland	0.51	..	..	0.33	0.14
14	Orissa	6.25	56.36	8.29	19.55	31.89	
15	Punjab	8.16	..	623.47(F)	4.64	..	
16	Rajasthan	12.98	..	230.65	69.06	25.30	
17	Tamil Nadu	83.15	136.12	1488.60	54.64	24.25	
18	Tripura	0.66	..	0.23	0.99	..	
19	Uttar Pradesh	27.86	172.14	809.87	96.47	62.43	
20	West Bengal (B)	37.37	368.80	35.43	150.26	29.02	
	<i>Union Territories.</i>						
	(a) Andaman & Nicobar Islands	0.07	..	..	0.17	..
	(b) Chandigarh	1.42	..	14.79(A)	..	0.41	
	(c) Dadra & Nagar Haveli	0.07	..	0.08	0.02	..	
	(d) Delhi	40.07	..	6.36	98.27	..	
	(e) Goa, Daman and Diu	1.26	..	0.33	8.44	1.40	
	(f) Laccadive & Minicoy Islands	0.01	..	..	..	..
	(g) Pondicherry	1.32	..	28.30	3.73	..	
	(h) Arunachal Pradesh	DATA NOT AVAILABLE					
	(E) ALL INDIA TOTAL	520.21	1830.57	5918.10	1094.14	389.64	

(D)—Includes supply to Power Projects in Himachal Pradesh.

(E)—Totals may not tally due to rounding of figures.

(F)—Inclusive of Public Water Works & I.B. consumption.

TABLE No. 39

Energy sales by the State Electricity Boards—1972-73

(Million kWh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at low and medium voltage	Industrial Power at high voltage
1	2	3	4	5	6	7
1	Andhra Pradesh	2155·80	193·30	204·80	160·40	983·40
2	Assam	355·29	43·46	71·27	92·10	133·36
3	Bihar	1500·92	60·22	53·43	149·20	902·56
4	Gujarat	2406·31	139·99	28·65	233·28	1295·46
5	Haryana	1262·30	76·29	86·18	165·94	414·59
6	Himachal Pradesh	142·29	23·26	16·45	18·13	1·74
7	Jammu & Kashmir	188·50	70·50	19·25	66·50	..
8	Kerala	1634·66	117·21	80·39	136·78	1183·56
9	Madhya Pradesh	2231·06	145·26	122·59	173·75	1517·16
10	Maharashtra	3227·47	231·51	119·23	234·10	1866·13
11	Mysore	3446·30	274·33	67·11	305·10	2395·18
12	Orissa	1656·54	30·90	44·46	41·84	1417·10
13	Punjab	1334·25	150·21	98·60	241·13	214·56(B)
14	Rajasthan	1230·99	81·58	64·56	134·23	618·06
15	Tamil Nadu	4703·29	280·20	235·66	288·63	2194·65
16	Uttar Pradesh	4209·42	273·01	56·70	533·48	2242·05
17	West Bengal	1211·41	53·18	76·56	76·69	660·40
	TOTAL (D)	32896·80	2244·41	1445·79	3051·28	18039·96

(A)—Consumption in public water works, I. B. included in agricultural.

(B)—Consumption by N.F.F. is not taken under P.S.E.B.

TABLE No. 39—*contd.**Energy sales by the State Electricity Boards—1927-73*

(Million kWh)

Sl. No.	State	Public Lighting	Traction	Agricultural	Public Works	Miscellaneous
1	2	8	9	10	11	12
1	Andhra Pradesh	30·10	..	519·90	48·60	15·30
2	Assam	4·50	..	1·50	7·30	1·80
3	Bihar	3·09	230·66	72·34	29·42	..
4	Gujarat	23·94	..	639·93	45·06	..
5	Haryana	4·72	..	499·28	9·32	5·98
6	Himachal Pradesh	1·12	..	1·38	2·25	77·96(C)
7	Jammu & Kashmir	3·60	..	11·30	17·35	..
8	Kerala	28·40	..	76·27	12·05	..
9	Madhya Pradesh	25·18	61·70	117·39	68·03	..
10	Maharashtra	44·12	72·81	455·07	118·66	85·84
11	Mysore	61·00	..	237·30	106·28	..
12	Orissa	6·25	56·36	8·29	19·55	31·89
13	Punjab	6·50	..	623·25(A)	..	..
14	Rajasthan	12·24	..	228·69	66·55	25·08
15	Tamil Nadu	65·42	136·12	1441·21	40·84	20·56
16	Uttar Pradesh	17·24	172·14	794·48	59·39	60·93
17	West Bengal	4·86	268·10	35·39	7·46	28·77
	TOTAL (D)	342·28	997·89	5762·97	658·11	354·11

(C)—Includes supply to power projects in Himachal Pradesh.

(D)—Totals may not tally due to rounding off.

TABLE No. 40

Energy sales by Organisations other than Boards & Licensees and Bhakra Management Board to Ultimate Consumers—1972-73

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial power at low voltage	Industrial power at high voltage
1	2	3	4	5	6	7
A. Municipalities						
1	Gujarat	88.81	27.45	3.77	10.74	35.30
2	Himachal Pradesh	26.51	6.10	1.50	5.50	..
3	Maharashtra	1064.53	341.39	324.81	231.32	129.97
4	Punjab	65.71	18.87	12.69	25.53	2.32
5	Tamil Nadu	107.00	25.89	35.57	23.59	13.26
6	Uttar Pradesh	100.67	40.10	18.24	27.03	1.81
7	West Bengal	6.04	3.53	1.30	0.79	..
8	DESU & NDMC (Delhi)	1213.17	348.70	265.84	107.58	346.35
B. Corporations & Govt. Departments						
1	D.V.C.—Bihar	852.14	..	0.03	..	711.16
	D.V.C.—West Bengal	714.16	..	0.07	..	645.97
2	Bhakra Management Board—Punjab	884.02	..	..	..	884.02
States						
1	Manipur	8.91	7.46	0.05	1.25	..
2	Maharashtra (Chola)	363.26	..	33.36	..	61.24
3	Nagaland	9.03	3.99	2.55	1.25	0.26
4	Tamil Nadu (Neyveli)	248.29	4.13	1.29	0.02	237.46
5	Tripura	9.94	5.40	0.66	2.00	..
6	West Bengal	147.75	2.34	0.46	1.00	135.00
Union Territories						
1	A & N Islands	3.33	2.14	0.39	0.56	..
2	Chandigarh	83.70	16.45	23.77	11.65	15.21
3	Dadra Nagar Haveli	1.18	0.23	0.17	0.11	0.50
4	Goa, Daman & Diu	91.38	9.78	5.76	5.31	59.10
5	Laccadive & Minicoy	0.03	0.18	0.09	0.02	..
6	Pondicherry	88.88	11.11	6.08	0.69	37.65
	Total (†)	6178.71	875.24	738.45	455.94	3316.58

(*) — Agricultural category includes Water Works energy consumption also.

TABLE No. 40—contd.

Energy sales by Organisations other than Boards & Licensees and Bhakra Management Board to Ultimate Consumers—1972-73

Sl. No.	State	Public lighting	Traction	Agricultural	Public Water Works and Sewage Pumping	Miscellaneous
1	2	8	9	10	11	12
A. Municipalities						
1	Gujarat	2.48	..	4.34	4.47	0.26
2	Himachal Pradesh	0.37	..	..	13.04	..
3	Maharashtra	22.43	..	0.09	14.52	..
4	Punjab	1.55	..	0.11	4.64	..
5	Tamil Nadu	2.65	..	1.24	1.86	2.94
6	Uttar Pradesh	3.97	..	0.35	9.16	0.01
7	West Bengal	0.21	..	..	0.21	..
8	DESU & NDMC (Delhi)	40.07	..	6.36	98.27	..
B. Corporations & Govt. Departments						
1	D.V.C. -Bihar . . . . .	..	133.48	..	..	7.47
	D.V.C. -West Bengal . . . . .	..	67.87	..	..	0.25
2	Bhakra Management Board—Punjab . . . . .	..	..	..	..	..
States						
1	Manipur	0.15	..	..	..	..
2	Maharashtra (Chola) . . . . .	..	265.55	..	..	3.11
3	Nagaland	0.51	..	..	0.33	0.14
4	Tamil Nadu (Neyveli)	0.79	..	..	4.60	..
5	Tripura	0.66	..	0.23	0.99	..
6	West Bengal	0.31	0.10	..	8.54	..
Union Territories						
1	A & N Islands	0.07	..	..	0.17	..
2	Chandigarh	1.42	..	14.79(*)	..	0.41
3	Dadra & Nagar Haveli	0.07	..	0.08	0.02	..
4	Goa, Daman & Diu	1.26	..	0.33	8.44	1.40
5	Laccadive & Minicoy	0.01	..	..	..	..
6	Pondicherry	1.32	..	28.30	3.73	..
	TOTAL (†)	80.30	467.00	56.22	172.99	15.99

(†)—Total may not tally due to rounding off.

TABLE No. 41

Energy Sales by Private Sector—1972-1973 (Million kWh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at Low and Medium Voltage	Industrial Power at High Voltage
1	2	3	4	5	6	7
1	Andhra Pradesh	12.33	0.48	0.24	0.76	..
2	Assam	25.67	6.59	8.69	3.79	5.88
3	Bihar	355.79	43.63	57.82	24.03	213.13
4	Gujarat	1444.78	108.56	93.51	208.14	919.44
5	Haryana	..	..	..	..	..
6	Himachal Pradesh	..	..	..	..	..
7	Jammu and Kashmir	..	..	..	..	..
8	Kerala	36.30	6.13	4.95	11.83	12.14
9	Madhya Pradesh	73.25	11.88	12.91	12.51	29.88
10	Maharashtra	4158.52	238.67	96.42	354.71	3106.90
11	Manipur	..	..	..	..	..
12	Meghalaya	..	..	..	..	..
13	Mysore	39.80	13.46	5.35	12.55	0.76
14	Nagaland	..	..	..	..	..
15	Orissa	..	..	..	..	..
16	Punjab	3.47	1.26	0.63	1.36	..
17	Rajasthan	29.35	7.17	5.70	5.39	5.66
18	Tamil Nadu	304.59	50.21	42.34	69.30	74.21
19	Uttar Pradesh [@]	366.91	83.33	47.94	104.58	79.96
20	West Bengal	3156.63	617.99	221.45	229.75	1888.63
21	Goa, Daman and Diu	5.16	..	..	..	5.16
	TOTAL	10012.55	1189.36	597.95	1038.70	6341.75

[@] —Renusagar Plant taken in Non-utility and hence excluded.

TABLE No. 41—contd.

Energy sales by Private Sector—1972-73 (Million kWh)

Sl. No.	State	Public Lighting	Traction	Agri-cultural	Public Water and Sewage Pumping	Miscellaneous
1	2	8	9	10	11	12
1	Andhra Pradesh	0.15	..	10.70	..	..
2	Assam	0.72	..	..	..	..
3	Bihar	3.21	0.05	2.69	11.23	..
4	Gujarat	14.83	..	16.95	66.28	17.67
5	Haryana . . . . .	..	..	..	..	..
6	Himachal Pradesh . . . . .	..	..	..	..	..
7	Jammu and Kashmir . . . . .	..	..	..	..	..
8	Kerala	0.93	..	..	0.32	..
9	Mahdy Pradesh	2.09	..	3.37	0.61	..
10	Maharashtra	19.40	332.90	1.66	7.85	0.01
11	Manipur . . . . .	..	..	..	..	..
12	Meghalaya . . . . .	..	..	..	..	..
13	Mysore	2.51	..	0.24	4.93	..
14	Nagaland . . . . .	..	..	..	..	..
15	Orissa . . . . .	..	..	..	..	..
16	Punjab	0.11	..	0.11	..	..
17	Rajasthan	0.74	..	1.96	2.51	0.22
18	Tamil Nadu	14.29	..	46.15	7.34	0.75
19	Uttar Pradesh@	6.65	..	15.04	27.92	1.49
20	West Bengal	31.99	32.73	0.04	134.05	..
21	Goa, Daman and Diu . . . . .	..	..	..	..	..
	TOTAL	97.62	365.68	98.91	263.04	19.54

i). Area & Population of Arunachal Pradesh & Mizoram included in Totals.

ii). Meghalaya included in Assam.

TABLE No. 42

Annual per capita consumption of Electricity—1972-73 (in Kilo Watt hours)

Sl. No.	State	Population (Million) Mid. Financial year (based on 1971 census)	Utilities		
			Domestic	Commercial	Industrial including public water works & Misc. and Traction
1	2	3	4	5	6
1	Andhra Pradesh	44.674	4.33	4.59	27.05
2	Assam (A)	16.649	3.01	4.80	14.67
3	Bihar	57.890	1.79	1.92	41.67
4	Gujarat	27.704	9.96	4.55	102.35
5	Haryana	10.306	7.40	8.36	57.81
6	Himachal Pradesh	3.480	8.44	5.16	34.09
7	Jammu & Kashmir	4.757	14.82	4.05	17.63
8	Kerala	22.027	5.60	3.87	61.59
9	Madhya Pradesh	43.219	3.64	3.14	43.12
10	Maharashtra	52.019	15.60	11.03	132.36
11	Manipur	1.104	6.76	0.05	1.13
12	Mysore	30.157	9.54	2.41	93.67
13	Nagaland	0.527	7.57	4.84	3.76
14	Orissa	22.628	1.36	1.96	69.23
15	Punjab	13.859	12.29	8.08	99.11
16	Rajasthan	26.645	3.33	2.64	32.19
17	Tamil Nadu	42.322	8.52	7.44	73.63
18	Tripura	1.606	3.36	0.41	1.87
19	Uttar Pradesh	90.620	4.37	1.36	36.64
20	West Bengal	45.948	14.73	6.53	91.11
	<i>Union Territories</i>				
	(a) A & N Islands	0.119	17.98	3.28	6.13
	(b) Chandigarh	0.264	62.31	90.04	103.30
	(c) Dadra & Nagar Haveli	0.077	2.99	2.21	8.18
	(d) Delhi	4.342	80.31	61.22	127.18
	(e) Goa, Daman & Diu	0.884	11.06	6.52	89.83
	(f) Laccadive & Minicoy	0.033	5.45	2.73	0.61
	(g) NEFA	DATA NOT AVAILABLE			
	(h) Pondicherry	0.487	22.81	12.48	86.39
	ALL INDIA(B).	564.806	7.63	4.93	62.95

(A)—Includes Meghalaya & Mizoram also.

(B)—Includes 0.459 Million Population of NEFA.

PER CAPITA CONSUMPTION OF ELECTRICITY (K.W.H.)

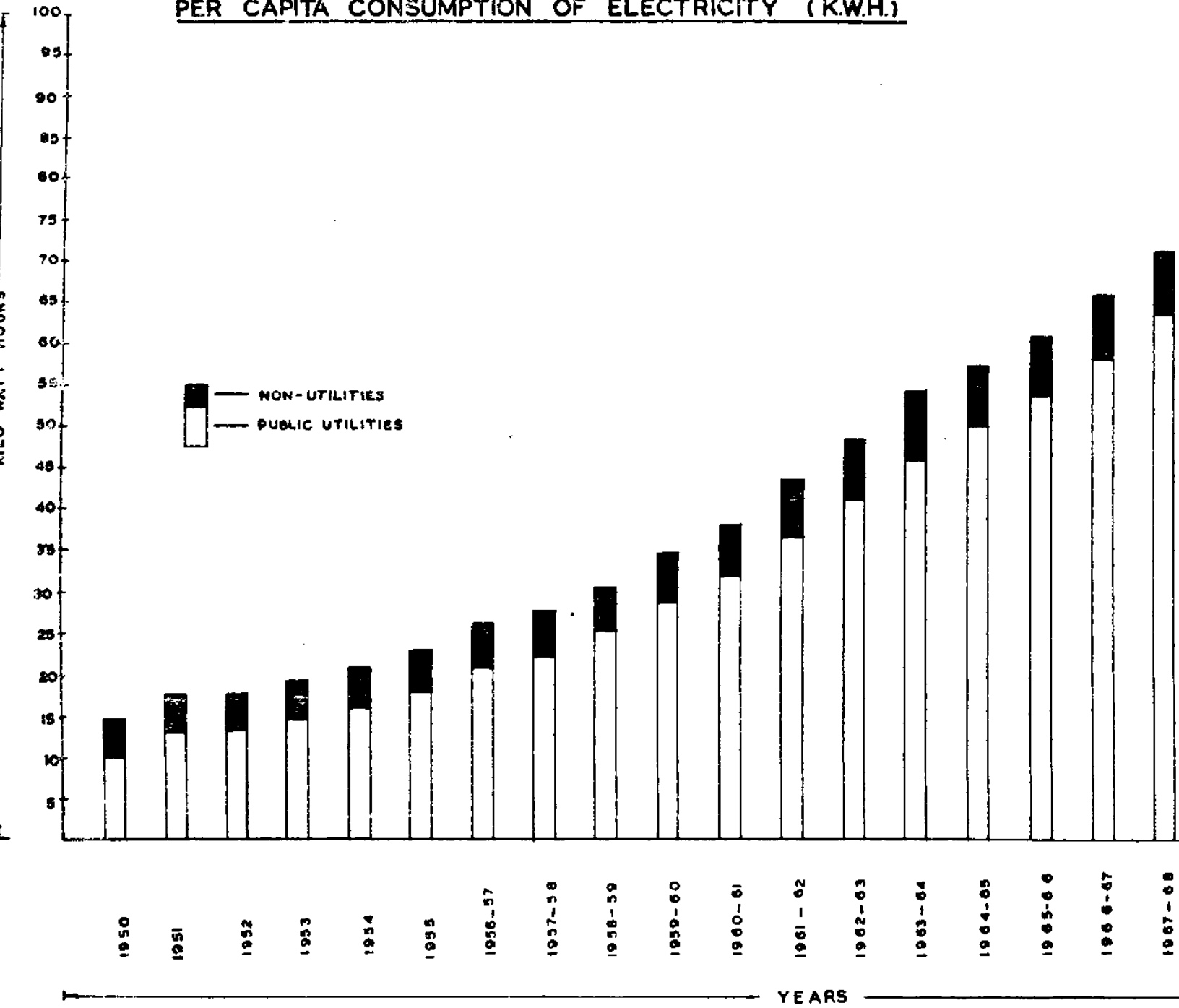


TABLE No. 42—contd.

Annual per capita consumption of Electricity—1972-73 (in Kilo Watt hours)

Sl. No.	State	Utilities			kWh from self generation of non-utilities	Total (Col. 9+10)
		Public lighting	Agricultural pumping	Total		
1	2	7	8	9	10	11
1	Andhra Pradesh	0.68	11.88	48.53	5.44	53.97
2	Assam(A)	0.31	0.09	22.88	3.27	26.15
3	Bihar	0.11	1.30	46.79	20.40	66.19
4	Gujarat	1.49	23.86	142.21	10.61	152.82
5	Haryana	0.46	48.45	122.48	7.42	129.90
6	Himachal Pradesh	0.44	0.38	48.51	..	48.51
7	Jammu & Kashmir	0.76	2.37	39.63	..	39.63
8	Kerala	3.46	1.33	75.85	3.60	79.45
9	Madhya Pradesh	0.63	2.79	53.32	9.88	63.10
10	Maharashtra	1.65	8.78	169.43	4.35	173.78
11	Manipur	0.13	..	8.07	..	8.07
12	Mysore	2.11	7.88	115.61	2.55	118.16
13	Nagaland	0.97	..	17.14	..	17.14
14	Orissa	0.28	0.37	73.20	20.95	93.15
15	Punjab	0.59	44.98	165.05	0.18	165.23
16	Rajasthan	0.49	8.65	47.30	12.34	59.64
17	Tamil Nadu	1.96	35.17	126.72	4.31	131.03
18	Tripura	0.41	0.14	6.19	..	6.19
19	Uttar Pradesh	0.31	8.93	51.61	12.06	63.67
20	West Bengal	0.81	0.77	113.95	6.43	120.38
	<i>Union Territories</i>					
	(a) A & N Islands	0.59	..	27.98	..	27.98
	(b) Chandigarh	5.38	56.02	317.05	..	317.05
	(c) Dadra & Nagar Haveli	0.91	1.04	15.33	..	15.33
	(d) Delhi	9.23	1.46	279.40	24.45	304.85
	(e) Goa, Daman & Diu	1.43	0.37	109.21	..	109.21
	(f) Laccadive & Minicoy	0.30	..	9.09	..	9.09
	(g) NEFA					
	(h) Pondicherry	2.71	58.11	182.50	..	182.50
	ALL INDIA(B)	0.92	10.48	86.91	9.44	96.35

TABLE NO. 43

Installed plant capacity @ (As on 31-3-1973) and energy consumption (1972-73) (utilities only) per square kilometre and per thousand of population.

Sl. No.	Name of State	Population (Mid. financial year) (Millions)	Area in 1000 Sq. Kilometre	Installed Plant Capacity (MW)	Installed capacity per 1000 of population (kW)
1	2	3	4	5	6
1	Andhra Pradesh	44.674	275.28	670.50	15.01
2	Assam@	16.649	121.97	209.45	12.58
3	Bihar	57.890	174.04	1,315.07	22.72
4	Gujarat	27.704	187.11	1,182.85	42.60
5	Haryana	10.306	44.06	504.06	48.91
6	Himachal Pradesh	3.480	55.66	51.45	14.78
7	Jammu & Kashmir	4.757	222.80	69.16	14.54
8	Kerala	22.027	38.85	623.10	28.29
9	Madhya Pradesh	43.219	443.45	760.02	17.59
10	Maharashtra	52.019	307.45	2,127.95	40.91
11	Manipur	1.104	22.35	5.84	5.29
12	Mysore	30.157	192.20	966.66	50.29
13	Nagaland	0.527	16.49	2.03	3.85
14	Orissa	22.628	155.82	563.72	24.91
15	Punjab	13.859	50.38	757.83	54.68
16	Rajasthan	26.645	342.27	767.99	28.80
17	Tamil Nadu	42.322	130.36	2,254.00	53.26
18	Tripura	1.606	10.45	5.15	3.21
19	Uttar Pradesh	90.620	294.36	1,564.34	17.26
20	West Bengal	45.948	87.62	1,575.35	34.29
	<i>Union Territories</i>				
	(a) Delhi	4.342	1.48	297.00	68.40
	(b) Chandigarh	0.264	0.11	2.48	9.39
	(c) Andaman & Nicobar Islands	0.119	8.33	3.06	25.71
	(d) Dadra & Nagar Haveli	0.077	0.50	..	..
	(e) Goa, Daman and Diu	0.884	4.18	2.04	2.31
	(f) L. Minicoy Islands	0.033	0.03	0.61	18.48
	(g) Pondicherry	0.487	0.48	..	..
	ALL INDIA@@.	564.806	3,269.48	16,281.71	28.83

@—Includes figures of Meghalaya & Mizoram.

@@—All India Total includes Population & Area of Arunachal Pradesh (NEFA).

TABLE NO. 43—contd.

Installed Plant Capacity (As on 31-3-1973) and Energy Consumption (1972-73) (Utilities Only) Per Square Kilometre and Per Thousand of Population

Sl. No.	Name of State	Installed capacity per square kilometre	Total Energy consumed (Million kWh)	Energy consumed per thousand of population (kWh)	Energy consumed per square Kilometre (kWh)
1	2	7	8	9	10
1	Andhra Pradesh	2.4	2,168.13	48,532	7,877
2	Assam@	1.7	380.96	22,882	3,123
3	Bihar	7.6	2,708.85	46,798	15,565
4	Gujarat	6.3	3,939.90	1,42,214	21,056
5	Haryana	11.4	1,262.30	1,22,482	28,650
6	Himachal Pradesh	0.9	168.80	48,506	2,033
7	Jammu and Kashmir	0.3	188.50	39,626	846
8	Kerala	16.0	1,670.96	75,856	43,011
9	Madhya Pradesh	1.7	2,304.31	53,317	5,196
10	Maharashtra	6.9	8,813.78	1,69,434	28,667
11	Manipur	0.3	8.91	8,071	299
12	Mysore	5.0	3,486.10	1,15,602	10,138
13	Nagaland	0.1	9.03	17,135	548
14	Orissa	3.6	1,656.54	73,208	10,631
15	Punjab	15.0	2,287.45	1,65,052	45,404
16	Rajasthan	2.2	1,260.34	47,301	3,682
17	Tamil Nadu	17.3	5,363.17	1,26,722	41,141
18	Tripura	0.5	9.94	6,189	951
19	Uttar Pradesh	5.3	4,677.00	51,611	15,889
20	West Bengal	18.0	5,235.99	1,13,955	59,758
	<i>Union territories</i>				
	(a) Delhi	200.0	1,213.17	2,79,403	8,19,709
	(b) Chandigarh	22.5	83.70	3,17,045	7,60,909
	(c) Andaman & Nicobar Islands	0.4	3.33	27,983	400
	(d) Dadra & Nagar Haveli	..	1.18	15,324	2,360
	(e) Goa, Daman and Diu	0.5	96.54	1,09,208	23,095
	(f) L. Minicoy Islands	20.3	0.30	9,091	10,000
	(g) Pondicherry	..	88.88	1,82,505	1,85,167
	ALL INDIA	5.0	49,088.06	86,911	15,014

PROGRESS OF ELECTRICITY SUPPLY IN THE COUNTRY
INSTALLED PLANT CAPACITY

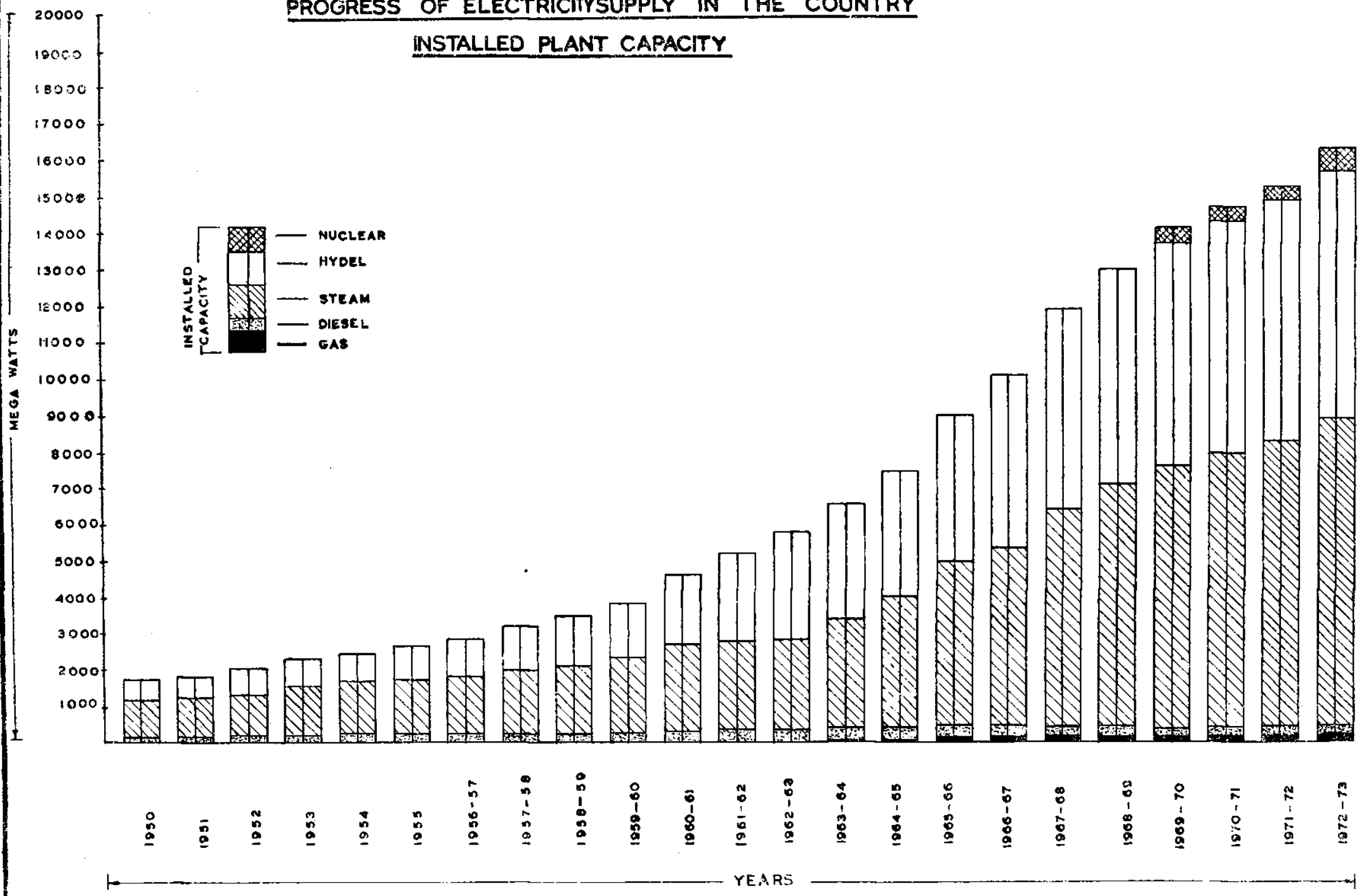


TABLE NO. 44
Progress of Electricity Supply—All India (Electric Utilities only)

Year	Installed Plant Capacity in MW				Aggregate of Maximum Demand Generating (MW)	Energy generated (Million kWh) (Gross)	Energy generated per kW of Capacity	Energy sold (Million kWh)	Average load factor based on Col. 6 & 7	Average plant demand factor based on Col. 5 & 6
	Hydro	Steam	Gas Turbine & Diesel	Total						
1	2	3	4	5	6	7	8	9	10	11
1946 . .	442·169	540·760	86·790	1069·719	575·801	2442·415	2,283	2,034·636	48·42	53·8
1947 . .	508·129	757·457	97·679	1363·265	882·853	4073·318	2,988	3,358·794	52·67	64·8
1948 . .	515·554	788·393	107·019	1410·966	965·780	4575·466	3,243	3,721·464	54·08	68·4
1949 . .	559·73	852·639	125·468	1537·186	1008·000	4909·289	3,194	4,004·716	55·60	65·6
1950 . .	559·185	1004·434	148·796	1712·515	1098·314	5106·700	2,981	4,156·657	53·08	64·1
1951 . .	575·179	1097·567	162·680	1835·426	1205·194	5858·403	3,192	4,793·344	55·49	65·7
1952 . .	715·179	1176·317	170·259	2061·755	1310·651	6120·347	2,969	5,005·682	53·31	63·6
1953 . .	731·179	1393·717	180·294	2305·190	1416·350	6697·187	2,905	5597·085	53·98	61·4
1954 . .	793·346	1491·043	209·607	2493·996	1625·123	7521·777	3,016	6252·501	52·84	65·2
1955 . .	939·483	1546·805	208·529	2694·817	1849·672	8592·451	3,189	7,111·011	53·03	68·6
1956-57 .	1061·441	1596·412	228·288	2886·141	1989·774	9662·133	3,348	7959·345	55·43	68·9
1957-58 .	1213·919	1763·257	245·935	3223·111	2288·212	11369·142	3,527	9,345·224	56·72	71·0
1958-59 .	1361·745	1879·553	270·288	3511·586	2542·255	12993·886	3,700	10,718·610	58·33	72·4
1959-60 .	1530·145	2047·011	296·010	3873·166	2931·360	15032·953	3,881	12,406·943	58·54	75·7
1960-61 .	1916·661	2436·255	300·135	4653·051	3545·930	16937·012	3,640	13,840·369	54·53	76·2
1961-62 .	2419·100	2471·019	328·697	5218·816	3971·206	19669·945	3,769	16,448·295	56·54	76·3
1962-63 .	2936·349	2537·693	327·152	5801·194	4635·049	22364·972	3,855	18,679·021	55·08	79·9
1963-64 .	3167·016	3007·634	401·289	6575·939	5548·503	26817·575	4,078	21,793·977	55·17	84·4
1964-65 .	3388·726	3604·575	403·364	7396·665	6257·197	29563·079	3,996	24,219·269	53·93	84·6
1965-66 .	4123·745	4417·115	486·159	9027·019	7306·230	32990·125	3,655	26,734·944	51·54	80·9

TABLE NO. 44--Contd.

1	2	3	4	5	6	7	8	9	10	11
1966-67	4757.223	4886.910	448.034	10092.167	8291.571	36375.587	3,604	29,127.636	50.08	82.16
1967-68	5486.916	5975.410	420.837	11883.163	9702.787	41194.637	3,467	32,736.872	48.47	81.65
1968-69	5906.91	6640.34	410.02	12957.27	10871.06	47433.30	3,661	37,352.35	49.81	83.90
1969-70	6134.77	7616.39*	351.29	14102.45	11946.18	51988.72	3,687	41,061.70	49.68	84.71
1970-71	6383.23	7928.18*	397.54	14708.95	12532.90	55827.64	3,795	43,724.16	50.85	85.21
1971-72	6611.61	8230.38*	404.38	15254.37	13333.09	60925.63	3,993	47063.20	52.16	87.40
1972-73	6785.41	9087.98**	408.32	16281.71	13865.76	64546.00	3,964	49,088.06	53.14	90.89

*Includes installed capacity of 420 MW Nuclear Power stations.

**Includes installed capacity of 620 MW Nuclear Power stations.

TABLE NO. 45 (1)
Progress of Electricity Supply—ANDHRA PRADESH

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	66.000	166.150	152.92	267.93	267.93
Steam	46.000	46.000	83.500	113.50	320.00	382.50
Diesel	13.164	19.876	20.188	12.13	0.19	0.07
Gas Turbine . . . . .	..	..	..	20.00	20.00	20.00
TOTAL	59.164	131.876	269.838	298.55	608.12	670.50

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro . . . . .	..	169.364	748.743	764.61	1312.08	1116.90
Steam	89.612	60.177	145.836	510.38	1820.11	2030.28
Gas Turbine . . . . .	..	..	..	38.41	3.86	23.28
Diesel	14.328	9.661	5.450	6.77	0.02	..
TOTAL	103.940	239.202	900.029	1320.17	3136.07	3170.46
Purchase from non-utilities	N.A.	N.A.	..	2.21	..	..
Used by power station auxiliaries . . . . .	..	..	23.237	43.77	117.77	158.76
<i>Sale (within the State)</i>						
Domestic light and small power	20.946	32.67	0.82	85.75	201.30	193.78
Commercial light and small power	18.657	38.81	30.32	172.90	308.70	205.04
Industrial Power	44.297	88.64	393.33	574.37	1271.50	1144.56
Public lighting	5.873	0.03	14.87	20.35	39.20	30.25
Railway/Tramways . . . . .	..	..	..	..	..	..
Agricultural	4.905	10.46	54.83	172.66	505.60*	530.60
Public Water Works & Sewage Pumping	3.493	6.41	7.40	22.31	*	48.60
Miscellaneous . . . . .	..	..	..	..	3.50	15.30
TOTAL	98.171	177.02	501.57	1048.34	2329.80	2168.13
Per capita consumption (Utility & Non-utility)	N.A.	N.A.	19.2	30.9	57.49	53.97

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.

* Public Water Works consumption in Board is included in Agriculture.

TABLE NO. 45(2)
Progress of Electricity Supply—ASSAM

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	0.55	0.55	9.27	45.94	66.71	66.71
Steam	0.20	0.62	..	..	..	35.00
Diesel	2.59	4.11	10.16	32.10	26.24	26.24
Gas Turbine . . . . .	..	..	..	81.50	81.50	81.50
TOTAL	3.34	5.28	19.43	159.54	174.45	209.45

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh) (Gross)</i>						
Hydro	2.130	2.90	20.88	56.39	191.36	219.12
Steam	0.001	..	..	..	..	2.40
Diesel	4.469	8.37	15.34	26.65	13.94	11.32
Gas Turbine	2.130	..	..	14.86	219.84	249.02
TOTAL	8.730	11.27	36.22	97.90	425.14	481.86
Used by power station auxiliaries . . . . .	..	..	1.27	4.92	11.23	9.42
<i>Sales (within the State)</i>						
Domestic light and small power	2.08	3.33	9.90	23.59	44.66	50.05
Commercial light and small power	2.06	3.69	4.21	19.33	72.18	79.96
Industrial Power	0.77	1.38	11.83	23.59	208.00	235.13
Public lighting	0.61	0.74	2.70	3.65	4.92	5.22
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	0.11	0.50	1.50
Public Water Works and Sewage Pumping	0.07	0.14	0.46	0.76	4.50	7.30
Miscellaneous . . . . .	..	..	..	..	1.75	1.80
TOTAL	5.59	9.28	29.10	71.03	336.51	380.96
Per capita consumption(utility & non-utility) in kWh.	N.A.	N.A.	3.6	7.8	25.13	26.15

TABLE No. 45(3)
Progress of Electricity Supply—BIHAR

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
Installed Capacity @ (MW)						
Hydro . . . . .	..	4.00	44.00	44.00	9.60	14.40
Steam	39.51	185.05	288.52	608.77	572.77	572.77
Diesel	7.49	15.40	18.37	19.52	16.40	16.40
TOTAL	47.00	204.45	350.89	672.29	598.77	603.57

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
Energy Generation @ (M.kWh.)						
Hydro . . . . .	..	2.15	143.66	124.51	2.80	4.32
Steam	118.87	580.12	1408.55	3079.56	1525.83	2641.29
Diesel	13.16	20.96	44.62	22.80	7.53	5.10
TOTAL	132.03	603.23	1596.83	3226.87	1536.16	2050.71
Purchased from Non-utilities	N.A.	N.A.	28.79	..	6.28	62.91
Used by power station auxiliaries @	N.A.	N.A.	98.62	300.68	179.77	236.71
Sales (within the State)*						
Domestic light and small power	14.82	27.14	44.31	61.09	97.33	103.85
Commercial light and small power	6.06	13.40	29.83	69.35	97.45	111.28
Industrial power	87.85	298.54	776.40	1397.25	2073.85	2000.08
Public lighting	1.09	1.94	3.65	4.80	5.80	6.30
Railways/Tramways . . . . .	..	..	4.53	343.09	372.97	364.19
Agricultural	4.60	4.27	18.26	29.33	56.00	75.03
Public Water Works and Sewage Pumping	4.17	8.13	12.24	27.64	37.29	40.65
Miscellaneous . . . . .	..	..	..	..	8.35	7.47
TOTAL	118.59	353.42	889.22	1932.55	2749.04	2708.85
Per capita consumption (utility & Non-utility) in Kwh	N.A.	N.A.	41.5	57.7	65.47	66.19

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.

TABLE NO. 45(4)
Progress of Electricity Supply—GUJARAT

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	108·93	183·60	280·90	609·60	619·60	899·60
Diesel	32·95	40·61	52·37	41·02	20·25	19·25
Gas . . . . .	..	..	..	..	54·00	54·00
Nuclear . . . . .	..	..	..	..	210·00	210·00
TOTAL	141·88	224·21	333·27	650·62	903·85	1182·85

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (M.kWh)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	316·41	739·37	1209·14	2155·48	3308·29	4430·31
Diesel	57·24	51·58	62·08	51·90	6·16	5·59
Gas . . . . .	..	..	..	..	139·00	182·00
Nuclear . . . . .	..	..	..	..	594·66	566·37
TOTAL	373·65	790·95	1271·22	2207·38	4048·11	5184·27
Purchased from non-utilities . . . . .	..	..	..	0·87	122·90	114·94
Used by power station auxiliaries . . . . .	..	..	82·62	177·76	303·60	374·39
<i>Sales (within the State)</i>						
Domestic light and small power	30·90	46·73	71·57	141·54	259·00	276·00
Commercial light and small power	12·33	14·94	31·66	48·98	113·32	125·93
Industrial power	266·69	590·40	805·96	1421·15	2581·89	2702·36
Public lighting	5·89	8·98	15·27	22·23	37·71	41·25
Railways /Tramways . . . . .	..	..	..	..	..	..
Agricultural	1·33	6·06	19·61	100·53	421·28	661·22
Public WaterWorks and Sewage Pumping	12·08	26·75	39·56	62·04	106·39	115·81
Miscellaneous . . . . .	..	..	..	..	14·95	17·33
TOTAL	329·22	693·86	983·63	1796·47	3534·54	3939·90
Per capita Consumption (utilities and non-utilities) in kWh	N.A.	N.A.	N.A.	N.A.	139·97	152·82

TABLE NO. 45(5)
*Progress of Electricity Supply—HARYANA***

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	..	..	245.69	408.47	408.47
Steam	1.30	6.75	6.30	28.10	90.60	90.60
Diesel	6.99	7.52	4.31	6.32	4.99	4.99
TOTAL	8.29	14.27	10.61	280.11	504.06	504.06

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy (Million kWh) Generation</i>						
Hydro	1083.26	1651.20	1523.83
Steam	2.88	6.77	6.66	14.15	406.33	464.33
Diesel	6.87	4.05	0.86	3.68	2.14	3.27
TOTAL	9.75	10.82	7.52	1101.09	2059.67	1991.43
Used by power station auxiliaries	1.339	35.69	40.10
Purchased from non-utilities
<i>Sales (within the State)</i>						
Domestic light and small power	71.98	76.29
Commercial light and small power	62.60	86.18
Industrial power	559.20	580.53
Public lighting	4.28	4.72
Railways/Tramways
Agricultural	366.50£	499.28
Public Water Works and Sewage Pumping	£	9.32
Miscellaneous	3.60	5.98
TOTAL	1068.16	1262.30
Per capita consumption (utilities and non-utilities) in kWh	111.48	129.90

NOTES :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 Haryana are not available prior to 1967-68.

TABLE NO. 45(6)

*Progress of Electricity Supply—HIMACHAL PRADESH**

Year	31-12-1951	31-12-1956	1960-61	1965-66	1971-72	31-3-1973
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	48.90	48.90
Diesel	2.55	2.55
TOTAL	51.45	51.45

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (M.kWh)</i>						
Hydro	148.70	174.13
Diesel	0.04	0.29
TOTAL	148.74	174.42
Purchased from non-utilities
Used by Power Station auxiliaries	2.01	0.89
<i>Sales (within the State)</i>						
Domestic light and small power	23.60	29.36
Commercial light and small power	17.19	17.95
Industrial power	26.00	24.37
Public lighting	1.39	1.49
Railways/Tramways
Agricultural	1.02	1.38
Public Water Works and Sewage Pumping	15.38	15.29
Miscellaneous	67.89£	77.96
TOTAL	152.47	167.80
Per capita consumption (utilities and non-utilities) in kWh	44.06	48.51

* Figures for the years 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.

TABLE NO. 45(7)
Progress of Electricity Supply—JAMMU & KASHMIR

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	4.514	10.606	10.612	28.07	40.72	40.72
Steam	1.500	1.500	1.500	1.50	22.50	22.50
Diesel	0.465	0.769	0.869	1.54	5.94	5.94
TOTAL	6.479	12.875	12.981	31.11	69.16	69.16

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million k Wh)</i>						
Hydro	23.479	23.896	43.489	N.A.	149.91	207.69
Steam	1.774	..	..	N.A.	23.24	25.00
Diesel	0.261	0.075	0.025	N.A.	8.82	8.94
TOTAL	25.514	23.971	43.514	..	181.97	241.63
Used by Power Station auxiliaries . . . . .	..	..	0.509	..	6.96	7.74
<i>Sales (Estimated) (within the State)</i>						
Domestic light and small power	7.66	8.864	22.500	data	70.00	70.50
Commercial light and small power	0.811	0.176	1.000	not	19.00	19.25
Industrial power	6.318	6.424	22.000	available	66.00	66.50
Public lighting	0.552	0.566	1.300	..	3.50	3.60
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	0.424	0.302	0.700	..	11.00	11.30
Public Water Works and Sewage Pumping	1.610	2.086	3.500	..	17.50	17.35
Miscellaneous . . . . .	..	..	..	..	..	..
TOTAL	17.375	18.418	51.00	..	187.00	188.50
Per capita consumption (utilities and non utilities) in kWh	N.A.	N.A.	14.25	N.A.	39.70	39.63

TABLE NO. 45 (8)
Progress of Electricity Supply—KERALA

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (kWh)</i>						
Hydro	28.500	85.500	132.500	192.50	546.50	621.50
Steam . . . . .	..	..	..	..	..	..
Diesel	4.170	4.277	4.762	4.60	1.60	1.60
TOTAL	32.670	89.777	137.262	197.10	548.10	623.10

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	152.179	349.599	581.818	840.34	2293.07	2348.92
Steam . . . . .	..	..	..	..	..	..
Diesel	1.460	0.132	..	1.60	..	..
TOTAL	153.639	349.731	581.818	841.94	2293.07	2348.92
Used by power station auxiliaries .	N.A.	N.A.	18.394	18.82	17.33	18.12
<i>Sales (within the State)</i>						
Domestic light and small power .	13.748	22.890	51.073	89.93	106.04	123.34
Commercial light and small power .	2.697	2.291	3.851	14.43	77.80	85.34
Industrial power	140.939	223.592	396.407	602.90	1256.59	1344.31
Public lighting	1.604	2.722	8.358	10.55	24.55	29.33
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	6.170	10.721	18.287	24.03	66.93	76.27
Public Water Works and Sewage Pumping	3.292	7.001	7.844	7.96	12.05	12.37
Miscellaneous . . . . .	..	..	..	..	0.03	..
TOTAL	168.450	269.217	485.820	749.80	1543.99	1670.96
Per capita consumption (utilities) in kWh & non-utilities	N.A.	N.A.	28.75	41.80	74.09	79.45

TABLE No. 45 (9)
Progress of Electricity Supply—MADHYA PRADESH

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	..	69.00	46.00	143.50	176.50
Steam	27.31	66.32	169.79	238.40	582.00	582.00
Diesel	11.98	15.98	28.74	26.14	1.62	1.52
TOTAL	39.29	82.30	267.53	310.54	727.12	760.02

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro . . . . .	..	..	23.24	78.06	500.80	720.22
Steam	57.35	150.07	429.68	1110.20	2395.25	2788.35
Diesel	15.95	19.27	24.05	19.96	0.30	0.16
TOTAL	73.30	169.34	476.97	1208.22	2896.35	3508.73
Purchased from non-utilities . . . . .	..	..	30.00	69.29	..	..
Used by power station auxiliaries . . . . .	..	..	30.99	100.06	230.66	257.01
<i>Sales (within the State)</i>						
Domestic light and small power	14.85	25.21	45.40	74.39	161.39	157.14
Commercial light and small power	7.47	13.53	20.79	26.64	93.39	135.50
Industrial power	23.09	77.28	301.27	868.38	1581.05	1733.30
Public lighting	2.18	4.80	9.11	9.97	25.46	27.27
Railways/Tramways . . . . .	..	..	..	..	58.05	61.70
Agricultural	0.19	0.69	3.89	11.76	86.08	120.76
Public Water Works and Sewage Pumping	10.32	18.49	25.24	37.28	70.41	68.64
Miscellaneous . . . . .	..	..	..	..	..	..
TOTAL	58.10	140.00	405.70	1028.42	2075.83	2304.31
Per capita consumption kWh . . . . .	..	..	..	..	58.13	63.10

NOTE:— Figure 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.

TABLE NO. 45 (10)
Progress of Electricity Supply—MAHARASHTRA

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity in (MW)</i>						
Hydro	253.11	279.91	281.91	598.89	844.32	844.32
Steam	64.95	225.11	443.25	653.25	1041.00	1071.00
Diesel	21.12	27.92	34.36	52.36	14.09	2.63
Nuclear . . . . .	..	..	..	..	210.00	210.00
TOTAL	339.18	532.94	759.52	1304.50	2109.41	2127.95

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (M.kWh)</i>						
Hydro	1229.02	1467.48	1364.95	3157.56	5017.49	3940.22
Steam	280.04	742.34	1834.76	2415.92	4701.29	5957.82
Diesel	32.20	38.88	68.17	61.71	0.52	0.55
Nuclear . . . . .	..	..	..	..	594.66	566.37
TOTAL	1541.26	2248.70	3267.88	5635.19	10313.96	10464.96
Purchased from non-utilities . . . . .	..	..	2.20	..	..	..
Used by power station auxiliaries . . . . .	..	..	136.11	212.11	452.08	511.62
<i>Sales (within the State)</i>						
Domestic light and small power	107.96	165.57	259.90	448.21	778.60	811.57
Commercial light and small power	86.13	131.30	198.23	363.38	662.21	573.82
Industrial power	815.80	1234.90	1852.67	3297.26	5679.29	5984.37
Public lighting	7.13	14.50	19.88	38.57	77.55	85.95
Railways/Tramways	270.95	344.46	338.93	413.86	661.44	671.26
Agricultural	2.75	5.13	14.76	89.55	412.13	456.82
Public Water Works and Sewage Pumping	23.34	31.37	35.15	65.70	170.16	141.03
Miscellaneous . . . . .	..	..	..	..	0.03	88.96
TOTAL	1314.06	1927.23	2719.52	4716.53	8441.41	8813.78
Per capita consumption (utilities and non utilities) in kWh.	N.A.	N.A.	52.00	85.3	167.99	173.78

NOTE:— Figures of installed capacity and generation of jointly owned projects have been taken according to the share of participating States.

TABLE NO. 45 (11)
Progress of Electricity Supply—MYSORE

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	107.20	178.20	178.20	432.00	966.60	966.60
Steam	0.06	..	..	1.10	..	..
Gas Turbine . . . . .	..	..	..	10.00	..	..
Diesel	7.68	12.26	12.88	12.53	0.65	0.06
TOTAL	114.94	190.46	191.08	455.63	967.25	966.66

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (M.kWh)</i>						
Hydro	525.34	809.73	1038.76	1916.07	4931.86	4423.01
Steam . . . . .	..	..	..	1.60	..	..
Gas Turbine . . . . .	..	..	..	0.61	..	..
Diesel	13.16	16.45	19.24	17.52	0.02	Neg.
TOTAL	538.50	826.18	1058.00	1935.83	4931.88	4423.01
Purchased from non-utilities . . . . .	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	16.65	9.60	15.05	14.11
<i>Sales (within the State)</i>						
Domestic light and small power	31.99	55.49	75.25	131.26	279.31	287.79
Commercial light and power	8.73	17.79	21.30	27.29	77.64	72.46
Industrial power	292.17	486.23	731.89	1035.51	2680.06	2713.59
Public lighting	7.14	13.84	18.88	28.68	62.03	63.51
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	6.97	16.47	28.72	66.02	203.04	237.54
Public Water Works and Sewage Pumping	37.03	42.57	58.92	92.85	90.08	111.21
Miscellaneous . . . . .	..	..	..	..	0.02	..
TOTAL	384.03	632.39	934.96	1381.61	3392.18	3486.10
Per capita consumption (utilities and non-utilities) in kWh.	N.A.	N.A.	44.2	55.1	115.32	118.16

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.

TABLE NO. 45 (12)
Progress of Electricity Supply—NAGALAND

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity in (MW)</i>						
Hydro
Steam
Diesel	0.73	2.12	2.03
TOTAL	0.73	2.12	2.03

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy generation (Gross) (Million kWh)</i>						
Hydro
Steam
Diesel	1.01	0.64	0.32
TOTAL	1.01	0.64	0.32
Purchased from non-utilities
Used by power station auxiliaries	0.01	0.02	0.03
<i>Sales (within the State)</i>						
Domestic light and small power	0.65	3.20	3.99
Commercial light and small power	@	2.55
Industrial power	0.07	0.45	1.51
Public lighting	0.07	0.45	0.51
Railways/Tramways
Agricultural
Public Water Works and Sewage Pumping	0.05	0.32	0.33
Miscellaneous	1.42	0.14
TOTAL	0.84	5.84	9.03
Per capita consumption (utilities and non-utilities) in kWh	2.1	11.02	17.14

@ Included in Domestic light and small power.

TABLE NO. 45 (13)
Progress of Electricity Supply—ORISSA

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	0.01	24.01	123.01	304.44	304.42	304.42
Steam	0.78	5.78	5.78	5.75	258.25	258.25
Diesel	4.08	3.99	7.47	4.80	1.05	1.05
TOTAL	4.87	33.78	136.26	314.99	563.72	563.72

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro	0.01	0.01	483.74	1155.52	1308.91	1239.28
Steam	2.13	17.62	..	..	516.53	639.17
Diesel	4.67	3.52	5.90	0.97	0.88	0.70
TOTAL	6.81	21.15	489.64	1156.49	1826.32	1879.15
Purchased from non-utilities	NA.	N.A.	44.81	9.03	..	..
Used by power station auxiliaries . . . . .	..	..	3.68	4.26	79.35	93.13
<i>Sales (Within the State)</i>						
Domestic light and small power	2.23	4.02	18.30	29.93	35.51	30.90
Commercial light and small power	1.41	1.94	7.87	16.69	63.51	44.36
Industrial power	1.12	7.58	457.47	882.21	1531.60	1458.94
Public lighting	0.24	0.61	1.49	7.95	5.38	6.25
Railways/Tramways . . . . .	..	..	..	32.72	58.55	56.36
Agricultural . . . . .	..	..	0.75	1.73	5.39	8.29
Public Water Works and Sewage Pumping	0.10	1.05	2.30	5.36	19.87	19.55
Miscellaneous . . . . .	..	..	..	..	20.50	31.89
TOTAL	5.10	15.20	488.18	976.59	1740.31	1656.54
Per capita consumption (utilities and non-utilities) in kWh	N.A.	N.A.	42.8	79.4	97.15	93.15

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.

TABLE NO. 45 (14)
Progress of Electricity Supply—PUNJAB

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	48.24	144.24	324.73	417.37	675.70	693.70
Steam	1.08	1.08	1.58	5.00	15.00	15.00
Diesel	8.60	10.45	9.54	10.28	15.14	49.13
TOTAL	57.92	155.77	335.85	432.65	705.84	757.83

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	163.72	413.50	977.73	1806.34	2762.90	2733.47
Steam . . . . .	..	..	..	8.00	19.40	27.28
Diesel	9.31	0.69	4.36	4.45	5.25	36.56
TOTAL	173.03	414.19	982.09	1818.79	2787.55	2797.31
Purchased from non-utilities . . . . .	..	..	..	..	..	..
Used by Power Station auxiliaries . . . . .	..	..	0.96	0.31	9.65	12.59
<i>Sales (within the State)</i>						
Domestic lights and small power	24.90	10.84	69.87	113.54	156.36	170.34
Commercial light and small power	12.01	34.82	61.40	86.43	119.20	111.92
Industrial Power	56.13	153.63	355.97	1915.71	1463.16	1368.92(A)
Public Lighting	2.44	5.75	9.09	9.87	6.95	8.16
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	0.49	22.66	74.85	210.85	556.42	623.47(B)
Public Water Works and Sewage Pumping	6.59	8.73	9.12	13.41	4.64	4.64
Miscellaneous . . . . .	..	..	..	..	8.45	..
TOTAL	102.56	236.43	580.30	2349.81	2315.18	2287.45
Per capita consumption (utilities and non-utilities) in kWh	N.A.	N.A.	32.9	101.6	168.7	165.23

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 reorganised 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.F.F.

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

TABLE NO. 45 (15)
Progress of Electricity Supply--RAJASTHAN

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	..	..	156.27	326.83	359.83
Steam	17.26	24.00	46.25	48.50	169.15	163.65
Diesel	13.68	19.79	24.43	31.81	35.68	34.51
Gas Turbine . . . . .	..	..	..	10.00	10.00	10.00
Nuclear . . . . .	..	..	..	..	..	200.00
TOTAL	30.94	43.79	70.68	246.58	541.66	767.99

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro . . . . .	..	..	..	564.24	1241.70	1404.13
Steam	42.72	61.28	70.41	127.31	447.36	592.20
Diesel	21.55	29.03	37.99	36.16	10.25	10.53
Gas turbine . . . . .	..	..	..	1.38	..	..
Nuclear . . . . .	..	..	..	..	..	Neg.
TOTAL	64.27	90.31	108.40	729.09	1699.31	2006.86
Purchase from non-utilities	N.A.	N.A.	0.11	..	..	..
Used by power station auxiliaries . . . . .	..	..	6.40	10.55	44.86	57.43
<i>Sales (within the State)</i>						
Domestic light and small power	10.83	12.33	20.73	38.51	77.89	88.75
Commercial light and small power	5.83	11.12	15.86	38.26	62.82	70.26
Industrial power	14.19	21.89	33.68	197.81	709.15	763.34
Public lighting	1.97	2.99	5.20	7.27	10.48	12.98
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	1.66	1.85	3.62	19.68	154.37	230.65
Public Water Works and Sewage Pumping	12.92	14.46	19.54	24.26	60.06	69.06
Miscellaneous . . . . .	..	..	..	..	18.85	25.30
TOTAL	47.40	64.64	98.53	325.79	1093.62	1260.34
Percapita consumption utilities and non-utilities) in kWh	N.A.	N.A.	11.5	21.4	52.83	59.64

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.

TABLE NO. 45 (16)
Progress of Electricity Supply—TAMIL NADU

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity in MW</i>						
Hydro	101.95	165.15	415.45	906.65	1224.00	1224.00
Steam	52.00	84.00	101.50	401.50	961.50	1030.00
Diesel	0.52	0.52	0.52	6.00	..	..
TOTAL	154.47	249.67	517.47	1314.15	2185.50	2254.00

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	579.17	802.62	1797.55	1978.63	3749.02	4140.65
Steam	140.19	281.72	416.17	2230.50	3055.61	2869.82
Diesel	0.20	..	..	..	..	..
TOTAL	719.56	1084.34	2213.72	4209.13	6804.63	7010.47
Purchased from non-utilities . . . . .	..	..	..	..	..	..
Used in power station auxiliaries . . . . .	..	..	64.75	266.33	364.27	347.80
<i>Sales (within the State)</i>						
Domestic light and small power	59.34	108.92	152.89	213.70	357.51	360.43
Commercial light and small power	54.69	90.40	156.71	299.14	434.91	314.86
Industrial Power	324.29	449.37	909.79	1792.32	3167.47	2901.12
Public lighting	14.18	20.77	33.92	48.91	92.06	83.15
Railways/Tramways	15.75	12.63	15.00	20.29	0.14£	136.12
Agricultural	69.64	138.30	382.40	819.65	1402.83	1488.60
Public Water Works and Sewage Pumping	8.63	10.32	14.43	28.11	49.19	54.64
Miscellaneous . . . . .	..	..	..	..	28.88	24.25
TOTAL	546.52	830.71	1665.14	3222.12	5532.99	5363.17
Per capita consumption (utilities & non-utilities) in kWh	N.A.	N.A.	50.5	88.7	134.51	131.03

£ traction consumption is included in Industrial consumption (H.V.)

TABLE NO. 45 (17)
Progress of Electricity Supply—UTTAR PRADESH

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity in (MW)</i>						
Hydro	26.22	96.39	92.47	477.76	606.30	606.30
Steam	161.09	179.86	270.81	398.23	814.78	938.88
Diesel	12.88	32.49	34.16	42.05	22.54	6.66
Gas Turbine . . . . .	..	..	..	12.50	12.50	12.50
TOTAL	200.19	1308.74	397.44	930.54	1456.12	1564.34

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	157.32	232.31	439.97	1542.86	2288.41	2721.38
Steam	398.27	490.83	786.26	1450.67	3887.08	4055.03
Diesel	14.18	20.34	26.09	25.10	1.88	1.60
Gas Turbine . . . . .	..	..	..	14.03	1.06	4.24
TOTAL	569.77	743.48	1252.32	3032.66	6178.43	6782.25
Purchased from non-utilities . . . . .	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	59.55	188.35	368.56	376.59
<i>Sales (within the State)</i>						
Domestic light and small power	49.59	71.51	122.72	190.50	386.40	396.44
Commercial light and small power	40.45	59.32	74.74	116.11	122.61	122.88
Industrial Power	230.99	314.18	503.93	1639.76	2863.22	2988.91
Public lighting	6.25	8.38	13.85	18.61	27.94	27.86
Railways/Tramways . . . . .	..	..	..	20.32	130.29	172.14
Agricultural	98.23	90.44	199.99	315.99	703.81	809.87
Public Water Works & Sewage Pumping	32.43	42.15	60.48	70.94	93.88	96.47
Miscellaneous	*	*	*	*	48.80	62.43
TOTAL	457.94	585.98	975.71	2372.23	4376.95	4677.00
Per capital consumption (utilities & non-utilities) in kWh	N.A.	N.A.	15.1	29.9	59.69	63.67

*Included in Commercial light and small power.

TABLE NO. 45 (18)
Progress of Electricity Supply—WEST BENGAL

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
Installed Capacity (MW)@						
Hydro	2.76	4.76	67.21	67.51	26.51	36.51
Steam	539.90	528.35	676.98	1211.21	1171.43	1171.43
Diesel	3.51	5.61	9.47	13.47	17.53	17.41
TOTAL	546.17	538.72	753.66	1292.19	1215.47	1225.35

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
Energy Generation @ (Million kWh)						
Hydro	5.93	8.34	159.89	144.90	44.34	64.90
Steam	1196.90	1765.62	2150.17	3879.68	3994.27	4294.15
Diesel	4.45	4.63	8.68	16.36	21.09	8.72
TOTAL	1207.28	1778.59	2318.74	4040.94	4059.70	4367.77
Purchased from non-utilities	N.A.	N.A.	147.13	..	..	..
Used by power station auxiliaries@	N.A.	N.A.	130.60	329.45	327.03	350.32
Sales (within the State)*						
Domestic light and small power	180.83	253.40	353.52	510.14	644.72	677.04
Commercial light and small power	37.55	79.28	115.79	173.87	273.34	299.84
Industrial Power	731.95	1291.50	1808.13	3009.71	3363.23	3638.23
Public lighting	8.35	15.11	23.40	29.80	34.91	37.37
Railways/Tramways	42.90	47.49	95.30	227.01	351.18	368.80
Agricultural . . . . .	..	2.17	0.65	4.25	19.85	35.43
Public Water Works & Sewage Pumping	32.56	65.59	95.99	110.14	143.69	150.26
Miscellaneous . . . . .	..	..	..	..	10.67	29.02
TOTAL*	1034.14	1754.54	2492.78	4064.92	4841.59	5235.99
Per capita consumption (utilities & non-utilities) in kWh	N.A.	N.A.	83.9	114.3	114.96	120.38

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

*Sales to ultimate consumers by D.V.C. in West Bengal included.

TABLE NO. 45 (19)
Progress of Electricity Supply—D.V.C.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro	104.00	104.00
Steam	957.50	957.50
Diesel
TOTAL	1061.50	1061.50

Year	31-12-51	31-12-56	31-12-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Energy Generation (Gross)</i>						
<i>(Million kWh)</i>						
Hydro	427.67	212.14
Steam	4041.41	4014.70
Diesel
TOTAL	4469.08	4226.84
Purchased from non-utilities	N.A.	N.A.	N.A.	0.81	..	..
Used by power station auxiliaries	444.16	411.72

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

TABLE No. 45 (20)
Progress of Electricity Supply—Delhi

Year	31-12-51	31-12-56	1960-61	1965-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	35.15	52.40	53.60	91.60	221.20	276.20
Diesel	7.44	2.79	22.70	20.82	20.80	20.80
TOTAL	42.59	55.19	76.30	112.42	242.00	297.00

Year	1951	1956	1960-61	1965-66	1971-72	1972-73
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	131.88	231.68	271.41	387.13	1093.48	1380.99
Diesel	5.40	0.54	39.35	7.35	7.92	23.67
TOTAL	137.28	232.22	310.76	394.48	1101.40	1404.66
Used by Power Station auxiliaries . . . . .	..	..	59.24	38.25	93.60	117.63
<i>Sales (within the State)</i>						
Domestic Light and small power	24.250	52.462	97.101	186.51	309.40	348.70
Commercial Light and small power	33.003	57.629	72.892	167.29	236.47	265.84
Industrial Power	32.406	74.306	153.892	178.43	411.04	453.93
Public Lighting	2.637	6.491	10.937	15.88	21.47	40.07
Railways/Tramways . . . . .	..	0.347	0.171	..	..	..
Agricultural	5.730	4.928	5.007	6.91	5.70	6.36
Public Water Works and Sewage Pumping	21.420	31.592	43.185	55.05	98.90	98.27
Miscellaneous . . . . .	..	..	..	..	..	..
TOTAL	119.446	227.755	383.185	610.07	1082.98	1213.17
Per capita consumption (utilities & non-utilities) in kWh	N.A.	N.A.	186.8	205.5	283.05	304.85

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

TABLE No. 46

Index Number of Public Electricity Supply Utilities—All India

	31-12-50	31-12-56	31-3-61	31-3-66	31-3-72	31-3-73
1	2	3	4	5	6	7
<i>Installed Plant capacity at the end of</i>						
(a) Hydro	100	160.0	342.7	757.8	1102.1	1213.2
(b) Steam (Including Nuclear)	100	154.0	242.6	439.8	778.8	904.8
(c) Gas Turbine & Diesel	100	140.0	201.7	326.7	271.8	274.4
All Types	100	157.4	271.8	527.1	890.7	950.7
	1951	1956	1960-61	1965-66	1971-72	1972-73
<i>Energy Generated</i>						
(a) Hydro	100	150.1	274.0	532.4	980.0	951.0
(b) Steam (including Nuclear)	100	184.1	314.2	625.1	1124.0	1322.3
(c) Gas Turbine & Diesel	100	106.2	167.5	178.6	216.2	274.5
Coal Consumption*	100	166.4	257.4	414.6	817.1	942.7
All Types	100	164.9	289.1	563.1	1040.0	1102.0
Diesel Oil consumption in Gas Turbine & Diesel Power Stations.	100	104.3	153.1	233.1	46.9	72.4
Aggregate Maximum Demand	100	165.1	294.2	606.2	1106.1	1150.3
<i>Energy Sales</i>						
Domestic Light & Small Power	100	157.2	251.2	396.4	691.4	725.3
Commercial Light & Small Power	100	165.4	256.9	500.0	821.7	843.03
Industrial Power	100	174.0	317.0	617.1	1034.0	1053.8
Public Lighting	100	173.2	285.8	413.6	726.1	769.6
Railways/Tramways	100	122.9	137.7	324.4	495.4	555.4
Agricultural	100	155.7	410.2	931.7	2465.2	2914.4
Public Water Works & Sewage Pumping	100	150.9	207.6	297.5	480.0	520.8
All Categories	100	166.1	208.9	557.8	981.8	1024.1

*Excludes wood and lignite

**Including Miscellaneous

Base : - (a) For installed capacity 31-12-50 (nearest available for the beginning of First Plan)

(b) For generation and sales : 1951 (calendar year)

TABLE NO. 47

Length of Transmission and Distribution Lines of Utilities as on 31-3-1973

(Circuit Kilometres)

S I. No.	State/Power Corporation	Distribution lines upto 500 V	3.3/2.2 KV		6.6/5KV	
			O.H.	U.G.	O.H.	U.G.
1	2	3	4	5	6	7
1	Andhra Pradesh	63,421	..	..	..	..
2	Assam	3,387	..	..	40	180
3	Bihar	37,074	41	9	250	57
4	Gujarat	36,332	113	159	..	2
5	Haryana	41,974	..	..	..	..
6	Himachal Pradesh	6,055	14	65	..	..
7	Jammu and Kashmir	3,500	..	..	300	..
8	Kerala	25,224	35	55	7	11
9	Madhya Pradesh	43,337	65	44	37	..
10	Maharashtra	80,058	83	92	368	967
11	Manipur	735	..	..	..	..
12	Mysore	94,862	2335	202	..	..
13	Nagaland	525	..	..	..	..
14	Orissa	7,953	30	3	..	..
15	Punjab (A)	32,037	..	..	..	..
16	Rajasthan	27,526	40	..	70	..
17	Tamil Nadu	187,339	5	..	89	63
18	Tripura (R)	236	..	..	..	..
19	Uttar Pradesh	56,319	181	297	203	474
20	West Bengal	12,894	62	38	443	1815
21	D.V.C. . . . .	..	..	..	..	..
	<i>Union Territories</i>					
	(a) Delhi	7,167	..	..	39	155
	(b) A. & Nicobar Islands (R)	101	..	..	30	..
	(c) Chandigarh	407	..	..	..	..
	(d) Dadra and Nagar Haveli (R)	56	..	..	..	..
	(e) Goa, Daman and Diu	1,341	..	..	..	..
	(f) L. Minicoy & Amindive . . . . .	..	5	..	..	..
	(g) N.E.F.A.	DATA	NOT	AVAILABLE		
	(h) Pondicherry	1,756	12	..	..	..
	ALL INDIA	771,616	3,021	964	1,876	3,724

(R) Data Repeated.

(A) Bhakra Management Board included.

TABLE NO. 47—Contd.

Length of Transmission and Distribution Lines of Utilities as on 31-3-1973

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	41,362	..	..	..	6,705	..	..
2	Assam	4,543	..	..	..	3,044	..	..
3	Bihar	27,657	36	..	..	6,624	35	..
4	Gujarat	24,916	786	6,184	..	3,470	..	..
5	Haryana	27,908	..	..	..	2,323	..	..
6	Himachal Pradesh	3,167	308	1,210	..	658	23	..
7	Jammu and Kashmir	2,000	..	..	..	540	..	..
8	Kerala	9,073	36	160	..	..	..	..
9	Madhya Pradesh	28,366	33	..	..	10,895	..	..
10	Maharashtra	39,268	1,118	7,843	783	7460	..	..
11	Manipur	500	..	..	..	200	..	..
12	Mysore	46,306	238	11	..	2,446	..	..
13	Nagaland	303	..	..	..	475	..	..
14	Orissa	8582	49	..	..	4524	..	..
15	Punjab (A)	19929	..	..	..	2169	..	..
16	Rajasthan	19344	..	..	..	7979	..	..
17	Tamil Nadu	38775	..	16720	..	2870	..	..
18	Tripura (R)	418	..	..	..	231	..	..
19	Uttar Pradesh	79463	685	22	..	10996	74	3467
20	West Bengal	11814	223	..	60	2677	475	..
21	D.V.C.	..	..	..	..	447	..	..
	<i>Union Territories</i>							
	(a) Delhi	1492	1020	..	..	240	223	..
	(b) A. & Nicobar Islands(R)	..	9	..	..	..	..	..
	(c) Chandigarh	261	..	..	..	19	..	..
	(d) Dadra and Nagar Haveli (R)	74	..	..	..	..	..	..
	(e) Goa, Daman and Diu	821	..	..	..	320	..	..
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..
	(g) N.E.F.A.	DATA	NOT	AVAILABLE				
	(h) Pondicherry	87	..	318	..	..	..	..
	ALL INDIA	4,36,429	4,541	32,468	843	77,312	830	3,467

TABLE No. 47—Concl'd.

Length of Transmission and Distribution Lines of Utilities as on 31-3-1973

(Circuit Kilometres)

Sl. No.	State/Power Corporation	78/66 KV	110/90 KV	132 KV	220 KV	230 KV	Total
		O.H.	O.H.	O.H.	O.H.	O.H.	
1	2	15	16	17	18	19	20
1	Andhra Pradesh . . .	2,953	..	3,733	1,144	..	1,19,318
2	Assam	401	..	681	93	..	12,369
3	Bihar . . . . .	..	..	2,268	558	..	74,609
4	Gujarat	3,766	..	2,487	980	..	79,195
5	Haryana	745	..	917	..	..	73,867
6	Himachal Pradesh . .	87	..	5	..	..	11,592
7	Jammu and Kashmir . .	232	..	132	..	..	6,704
8	Kerala	1669	1350	..	316	..	37936
9	Madhya Pradesh . . .	424	..	3735	1162	..	88098
10	Maharashtra	2389	2503	2629	1276	..	146837
11	Manipur . . . . .	..	..	..	..	..	1435
12	Mysore	2759	3565	..	1965	..	154689
13	Nagaland	20	..	..	..	..	1323
14	Orissa	600	..	2253	147	..	24141
15	Punjab (A)	1068	..	1816	415	..	57434
16	Rajasthan	412	..	2155	919	..	58445
17	Tamil Nadu	3244	5746	..	..	1678	256529
18	Tripura (R) . . . . .	..	..	148	..	..	1033
19	Uttar Pradesh	2621	..	4734	2026	..	161562
20	West Bengal	480	..	1231	..	..	32212
21	D.V.C. . . . .	..	..	2516	..	..	2963
<i>Union Territories</i>							
	(a) Delhi . . . . .	..	..	10	42	..	10388
	(b) A. & Nicobar Islands(R)	..	..	..	..	..	140
	(c) Chandigarh . . . .	..	..	..	..	..	687
	(d) Dadra and Nagar Haveli (R)	..	..	..	..	..	130
	(e) Goa, Daman and Diu	..	68	..	..	..	2550
	(f) L. Minicoy & Amindive	..	..	..	..	..	5
	(g) N.E.F.A.	DATA	NOT	AVAILABLE			
	(h) Pondicherry . . . .	..	..	..	..	..	2173
	ALL INDIA	23870	13232	31450	11043	1678	1418364

(R) — Data Repeated.

(A) — Bhakra Management Board included.

TABLE NO. 48

Length of Transmission Lines (11 KV and above) Commissioned during the year 1972-73

Sl. No.	Undertaking	Line Voltage	Length (Circuit km)
1	2	3	4
1	<i>Andhra Pradesh</i>		
	Andhra Pradesh State Electricity Board	132 KV 33 KV 11 KV	57.7 32.7 2792.4
2	<i>Assam</i>		
	Assam State Electricity Board	33 KV 11 KV	261.0 1160.0
3	<i>Bihar</i>		
	Bihar State Electricity Board	132 KV 33 KV 11 KV	116.10 381.6 2091.6
4	<i>Gujarat</i>		
	Gujarat State Electricity Board	220 KV 132 KV 66 KV 33 KV 22 KV 11 KV	100.00 191.0 261.0 280.0 918.0 3074.0
5	<i>Haryana</i>		
	Haryana State Electricity Board	132 KV 33 KV 11 KV	68.6 74.6 2032.0
6	<i>Himachal Pradesh</i>		
	Himachal Pradesh State Electricity Board	33 KV 11 KV	68.0 93.2
7	<i>Jammu and Kashmir</i>		
	Jammu and Kashmir State Electricity Board	DATA	NOT AVAILABLE
8	<i>Kerala</i>		
	Kerala State Electricity Board	110 KV 60 KV 11 KV	15.0 60.0 610.0
9	<i>Madhya Pradesh</i>		
	Madhya Pradesh State Electricity Board	132 KV 33 KV 11 KV	132.0 325.7 2388.4
10	<i>Maharashtra</i>		
	Maharashtra State Electricity Board	220 KV 110 KV 66 KV 33 KV 22 KV 11 KV	75.0 92.2 187.6 286.7 503.1 3546.3
	Tata Hydro Electric Power Supply Company Limited	22 KV	24.5
11	<i>Manipur</i>	DATA	NOT AVAILABLE

TABLE NO. 48—Contd.

Length of Transmission Lines (11 KV and above) Commissioned during the year 1972-73—Concid.

Sl. No.	Undertaking	Line Voltage	Length (Circuit Km)
1	2	3	4
12	<i>Mysore</i>		
	Mysore State Electricity Board	220 KV 110 KV 66 KV 33 KV 13.2 KV	406.6 306.6 14.3 109.0 3823.6
13	<i>Nagaland</i>		
	Nagaland Electricity Department	33 KV 11 KV	111.9 42.9
14	<i>Orissa</i>		
	Orissa State Electricity Board	33 KV 11 KV	482.6 3035.2
15	<i>Punjab</i>		
	Punjab State Electricity Board	132 KV 66 KV 33 KV 11 KV	89.5 145.9 119.0 1266.6
	Bhakra Management Board	132 KV	97.6
16	<i>Rajasthan</i>		
	Rajasthan State Electricity Board	220 KV 132 KV 33 KV 11 KV	380.0 36.0 813.8 3613.7
17	<i>Tamil Nadu</i>		
	Tamil Nadu Electricity Board	230 KV 110 KV 33 KV 22 KV 11 KV	87.0 63.0 71.0 726.0 2521.0
18	<i>Tripura</i>		
	Tripura Electricity Department	11 KV	33.0
19	<i>Uttar Pradesh</i>		
	Uttar Pradesh State Electricity Board	230 KV 132 KV 33 KV 11 KV	30.0 126.5 756.6 6199.6
20	<i>West Bengal</i>		
	West Bengal State Electricity Board.	132 KV 33 KV 11 KV	148.0 352.7 3446.4
	Damodar Valley Corporation	33 KV	99.0
21	<i>Delhi</i>		
	Delhi Electric Supply Undertaking	33 KV 11 KV	82.5 206.1

TABLE NO. 49

Total Installed Transformers Capacity (Max. Contd. Rating) Utilities as on 31-3-1973

Sl. No.	State/Power Corporation	Step-up Transformers		Step-down Transformers with Secondary 300 V and above	
		No.	Aggregate Capacity	No.	Aggregate Capacity
1	2	3	4	5	6
1	Andhra Pradesh	54	1034.13	675	3630.07
2	Assam	45	243.41	148	483.52
3	Bihar	44	849.50	395	1609.72
4	Gujarat	66	1012.22	408	2835.00
5	Haryana	7	38.00	219	1516.90
6	Himachal Pradesh	21	59.87	63	93.12
7	Jammu and Kashmir	21	65.14	16	22.50
8	Kerala	50	769.37	140	1204.80
9	Madhya Pradesh	47	835.35	480	2083.42
10	Maharashtra	125	2548.28	897	6697.37
11	Manipur	15	8.65	..	..
12	Mysore	85	1774.30	350	2459.50
13	Nagaland	5	1.50	11	5.65
14	Orissa	26	815.48	185	1305.70
15	Punjab	50	3005.50	269	4655.30
16	Rajasthan	48	29.34	476	1514.31
17	Tamil Nadu	79	2316.23	661	4633.01
18	Tripura (R)	13	3.90	5	5.00
19	Uttar Pradesh	149	1678.10	1087	5791.52
20	West Bengal	118	842.85	371	2366.97
21	D.V.C.	17 (R)	1390.00 (R)	67	1616.32
	<i>Union Territories</i>				
	(a) Delhi (R)	14	498.00	58	532.00
	(b) A. & N. Islands (R)	4	1.76	..	..
	(c) Chandigarh	3	1.90	2	12.00
	(d) Dadra & Nagar Haveli (R)	..	..	..	..
	(e) Goa, Daman and Diu	..	..	17	121.95
	(f) L. Minicoy & Amindive	1	0.05	1	0.02
	(g) N.E.F.A.	DATA	NOT	AVAILABLE	
	(h) Pondicherry	..	..	..	..
	ALL INDIA	1107	19822.83	7001	45195.67

TABLE NO. 49—Contd.

Total Installed Transformers Capacity (Max. Contd. Rating) Utilities as on 31-3-1973

Sl. No.	State/Power Corporation	Distribution Transformers with Secondary 500 V and below		Total		Remarks
		No.	Aggregate Capacity (MVA)	No.	Aggregate Capacity (MVA)	
1	2	7	8	9	10	11
1	Andhra Pradesh	21,807	1,524.48	22,536	6,188.68	
2	Assam	2,180	331.20	2,373	1,058.13	
3	Bihar	12,344	819.95	12,783	3,279.17	
4	Gujarat	19,084	1,626.16	19,558	5,473.38	
5	Haryana	19,797	1,390.38	20,023	2,945.28	
6	Himachal Pradesh	1,410	80.50	1,494	233.49	
7	Jammu and Kashmir	721	75.31	758	162.95	
8	Kerala	8,095	569.14	8,285	2,543.31	
9	Madhya Pradesh	13,090	1,014.09	13,617	3,932.86	
10	Maharashtra	25,548	7,229.62	26,570	16,475.27	
11	Manipur	133	7.97	148	16.62	
12	Mysore	23,552	1,431.69	23,987	5,665.49	
13	Nagaland	127	11.91	143	19.06	
14	Orissa	4,541	364.54	4,752	2,485.72	
15	Punjab [£]	13,260	908.90	13,579	8,569.70	£—includes B.M.B.
16	Rajasthan	9,919	856.14	10,443	2,399.79	(R)—Data not received for this year
17	Tamil Nadu	32,525	2,694.28	33,265	9,643.52	& hence repeated.
18	Tripura	128	8.90	146	17.80	
19	Uttar Pradesh	77,909	3,099.68	79,145	10,569.30	
20	West Bengal	4,328	479.54	4,817	3,689.36	
21	D.V.C. . . . .	..	..	84	3,006.32	
	<i>Union Territories</i>					
	(a) Delhi (R)	1,962	622.60	2,034	1,652.60	
	(b) A. & N. Island (R)	21	1.52	25	3.28	(R)
	(c) Chandigarh	242	62.32	247	76.22	
	(d) Dadra & Nagar Haveli (R)	22	1.45	22	1.45	(R)
	(e) Goa, Daman and Diu	417	29.65	434	151.60	
	(f) L.Minicoy & Amindive	1	0.02	3	0.09	
	(g) N.E.F.A.	DATA	NOT	AVAILABLE		
	(h) Pondicherry	393	39.40	393	39.40	
	ALL INDIA	2,93,556	25,281.34	3,01,664	90,299.84	

TABLE No. 50

Important Transformers Commissioned During the year 1972-73

Sl. No.	State/ Power Corporation	Voltage Ratio	Unit Capacity (KVA)	No.	Aggregate Capacity (MVA)	Remarks
1	2	3	4	5	6	7
1	Andhra Pradesh					
	Andhra Pradesh State Electricity Board	13-8/132	75,000	1	75,000	
		132/66/33-11	7,500	1	7,500	
		132/33-11	15,000	1	15,000	
		132/33-11	7,500	1	7,500	
		-do-	4,000	1	4,000	
		132/33	75,000	1	75,000	
		132/33	50,000	1	50,000	
		66/33-11	7,500	1	7,500	
2	Assam	DATA NOT AVAILABLE				
3	Bihar	Details not reported		12	54,000	
4	Gujarat					
	Gujarat State Electricity Board	13-8/138	17,000	2	34,000	
		11/33	7,500	1	7,500	
		220/132	100,000	1	100,000	
		220/132	50,000	1	50,000	
		132/66	20,000	2	40,000	
		132/33	20,000	1	20,000	
		66/33	10,000	1	10,000	
		66/33	5,000	2	10,000	
		66/33/11	5,000	1	5,000	
		66/22	10,000	3	30,000	
		66/22/11	5,000	1	5,000	
		66/11	10,000	8	80,000	
		-do-	5,000	11	55,000	
5	Haryana					
	Haryana State Electricity Board	132/33	12,500	1	12,500	
		-do-	8,000	1	8,000	
		-do-	20,000	2	40,000	
		66/11	10,000	1	10,000	
		-do-	12,500	1	12,500	
		-do-	7,500	1	7,500	
6	Kerala					
	Kerala State Electricity Board	Details not reported				
7	Madhya Pradesh					
	Madhya Pradesh State Electricity Board	33/66	9,000	1	9,000	
		133/33	N.A.	2	25,000	
		132/66/33	12,500	1	12,500	
8	Maharashtra					
	Maharashtra State Electricity Board	132/33	N.A.	2	20,000	
		132/25	10,000	2	21,600	
		132/11	10,000	1	10,000	
		110/33	20,000	1	20,000	
		110/33	7,500	5	37,500	
		110/22	77,500	1	7,500	
		66/33	N.A.	2	20,000	
		-do-	5,000	1	5,000	
		66/11	10,000	1	10,000	
		-do-	N.A.	5	25,000	
	Bombay Suburb Elect., Supply Company.	22/11	10,000	4	40,000	

TABLE No. 50—Contd.

Important Transformers Commissioned During the year 1972-73

Sl. No.	State/Power Corporation	Voltage Ratio	Unit Capacity (KVA)	No.	Aggregate Capacity (KVA)	Remarks
1	2	3	4	5	6	7
9	Mysore Mysore State Electricity Board	11/220 220/110/11 220/66 110/13·2-11 110/33/11 66/33	99,000 100,000 67,500 500-20,000 10,000 1500-800	1 1 1 13 2 3	99,000 100,00 67,500 129,500 20,000 18,500	
10	Orissa Orissa State Electricity Board	132/33/11 33/11 132/33	12,500 5,000 12,500	1 3 3	12,500 15,000 37,500	
11	Punjab Punjab State Electricity Board	11/132 132/66 -do- 132/33 132/33/11 -do- 132/11 132/11 66/33/11 66/33/11 66/11	16,667 50,000 40,000 16,000 20,000 12,500 12,500 20,000 12,500 8,000 5,000	2 1 1 1 2 1 4 1 1 2 1	33,334 50,000 40,000 16,000 40,000 12,500 50,000 20,000 12,500 16,000 5,000	
12	Rajasthan Rajasthan State Electricity Board	220/132 132/33 132/33 132/33 132/11 33/11	100,000 20,000 10,000 6,000 12,500 5,000	2 1 1 11 1 3	200,000 20,000 10,000 66,000 12,500 15,000	
13	Tamil Nadu Tamil Nadu Electricity Board	11/230 110/22 110/22-11 110/11 33/11	42,000 10,000 25,000 5,000 5,000	3 1 1 2 6	126,000 10,000 25,000 10,000 30,000	
14	Tripura Tripura Electricity Board	33/11	3,000	1	3,000	
15	Uttar Pradesh Uttar Pradesh State Electricity Board	11/220 11/37·5 220/132 220/132 132/37·5 132/33 132/25 132/11 66/33 66/11 37·5/11 33/11 -do-	65,000 1,500 100,000 60,000 20,000 20,000 12,500 12,500 7,500 5,000 5,000 6,000 5,000	1 1 1 2 1 12 3 1 1 1 8 6 9	65,000 1,500 100,000 120,000 20,000 240,000 37,500 12,500 7,500 5,000 40,000 36,000 45,000	

TABLE NO. 50—*Concl'd.**Important Transformers Commissioned During the year 1972-73*

Sl. No.	State/Power Corporation	Voltage Ratio	Unit Capacity (KVA)	No.	Aggregate Capacity (KVA)	Remarks
1	2	3	4	5	6	7
		33/6·6	5,000	1	5,000	
		33/3·3	12,500	2	25,000	
		-do-	5,000	1	5,000	
		11/6·9	7,500	2	15,000	
		11/3·3	5,000	1	5,000	
		10·5/6·9	7,500	2	15,000	
	Western U.P. Electric Power Supply Company	37/11	5,000	1	5,000	
16	<i>West Bengal</i>					
	West Bengal State Electricity Board	132/33	Not reported	2	37,000	
		66/33	-do-	2	10,500	
17	<i>Goa, Daman and Diu</i>	110/33/11	30,000	1	30,000	

TABLE NO. 51

Classification of Consumers of Utilities as on 31-3-1973

Sl. No.	State/Corporation	Domestic		Commercial	
		A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6
1	Andhra Pradesh	822,607	..	239,912	..
2	Assam	81,513	..	17,489	..
3	Bihar	321,797	510	144,700	224
4	Gujarat	1,267,699	443	179,956	193
5	Haryana	435,076	1,200	92,266	911
6	Himachal Pradesh	195,997	..	28,790	..
7	Jammu & Kashmir	175,000	..	27,500	..
8	Kerala	519,184	..	187,721	..
9	Madhya Pradesh	463,968	..	154,202	..
10	Maharashtra	1,713,152	2	408,121	5
11	Manipur	10,615(C)	..	..	..
12	Mysore	980,278	..	126,527	..
13	Nagaland	11,379(C)	..	..	..
14	Orissa	117,243	..	54,128	..
15	Punjab (E)	811,397	69,000	177,859	11,389
16	Rajasthan	364,564	..	124,872	..
17	Tamil Nadu	1,398,932	..	380,138	..
18	Tripura (G)	7,500	..	600	..
19	Uttar Pradesh	879,454	51,996	210,591	14,852
20	West Bengal	595,231	301,917(F)	92,606	320
21	D.V.C.	..	..	3	..
	<i>Union Territories</i>				
	(a) Delhi	552,802	..	103,185	..
	(b) A. & Nicobar Islands	6,616	..	139	..
	(c) Chandigarh	41,472	..	5,484	..
	(d) Dadra & Nagar Haveli (G)	251	..	..	..
	(e) Goa, Daman and Diu	32,149	..	8,911	..
	(f) L. Minicoy & Amindive	1,602	..	221	..
	(g) N.E.F.A.	DATA NOT AVAILABLE			
	(h) Pondicherry	29,747(C)	..	..	..
	ALL INDIA	11,837,225	425,068	2,765,921	27,894

- (A) Included in Industrial load.
 (B) Public Water Works figures included in agricultural.
 (C) Includes commercial figures.
 (D) HV consumers of Punjab State Electricity Board included in LV Industrial Consumers.
 (E) Data for Amritsar Municipality repeated.
 (F) Includes Commercial figures of CESC.
 (G) Data Repeated.

TABLE NO. 51—Contd.
 Classification of Consumers of Utilities as on 31-3-1973

Industrial Power, Low and Medium		Industrial Power (H.V.)		Public Lighting	
A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
7	8	9	10	11	12
26,426	..	698	..	10,938	..
2,348	..	300	..	1,256	..
32,664	18	786	1	4,918	..
76,651	12	790	..	4,647	1
29,470	17	444	..	322	..
2,590	..	5	..	144	..
5,300	..	..	..	13,200	..
22,397	..	365	..	4,844	..
29,647	..	428	..	4,325	..
81,508	8	1,985	..	10,828	..
291	..	..	..	1,705	..
45,191	..	625	..	6,000	..
126	..	26	..	4,650	..
5,731	..	139	..	967	..
34,347(D)	335	2	..	389	10
19,670	..	166	..	1,369	..
84,101	..	931	..	35,307	..
365	..	..	..	8	..
66,580	1,542	1,068	..	6,760	..
35,664	14,069	1,819	1	336	13
..	..	11	..	..	..
19,629	..	279	..	637	..
76	..	..	..	439	..
630	..	..	..	80	..
64	..	3	..	3	..
1,133	..	47	..	143	..
20	..	..	..	592	..
DATA NOT AVAILABLE					
1,106	..	22	..	8	..
623,725	16,001	10,939	2	114,815	24

TABLE NO. 51—Contd.

Classification of Consumers of Utilities as on 31-3-1973

Sl. No.	State/Corporation	Traction		Agricultural	
		A.C.	D.C.	A.C.	D.C.
1	2	13	14	15	16
1	Andhra Pradesh . . . . .	..	..	243,965	..
2	Assam . . . . .	..	..	481	..
3	Bihar	5	..	87,817	..
4	Gujarat . . . . .	..	..	91,774	..
5	Haryana . . . . .	..	..	116,882(B)	..
6	Himachal Pradesh . . . . .	..	..	786	..
7	Jammu & Kashmir . . . . .	..	..	178	..
8	Kerala . . . . .	..	..	27,193	..
9	Madhya Pradesh	5	..	115,008	..
10	Maharashtra	4	..	282,418	..
11	Manipur . . . . .	..	..	..	..
12	Mysore . . . . .	..	..	168,912	..
13	Nagaland . . . . .	..	..	1	..
14	Orissa	4	..	1,345	..
15	Punjab (E) . . . . .	..	..	109,405	..
16	Rajasthan . . . . .	..	..	66,708	..
17	Tamil Nadu	5	..	646,003	..
18	Tripura (G) . . . . .	..	..	25	..
19	Uttar Pradesh	8	..	180,518	1
20	West Bengal	12	..	2,589	..
21	D.V.C.	2	..	..	..
	<i>Union Territories</i>				
	(a) Delhi . . . . .	..	..	208	..
	(b) A. & Nicobar Islands . . . . .	..	..	..	..
	(c) Chandigarh . . . . .	..	..	394(B)	..
	(d) Dadra & Nagar Haveli (G) . . . . .	..	..	58	..
	(e) Goa, Daman & Diu . . . . .	..	..	283	..
	(f) L. Minicoy & Amindive . . . . .	..	..	..	..
	(g) N.E.F.A.	DATA NOT AVAILABLE			
	(h) Pondicherry . . . . .	..	..	5,726	..
	ALL INDIA	45	..	2,148,677	1

TABLE NO. 51—*Concl'd.*
Classification of Consumers of Utilities as on 31-3-1973

Public Water Works & Sewage		Miscellaneous		TOTAL		GRAND TOTAL
A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
17	18	19	20	21	22	23
(A)	1,344,546	..	1,344,546
36	..	N.A.	..	103,423	..	103,423
553	2	N.A.	..	593,240	755	593,995
3241	..	889	..	1,625,647	649	1626296
..	..	59	..	674,519	2128	676647
1	..	17	..	228,330	..	228330
240	221,418	..	221418
341	762,045	..	762045
702	768,285	..	768285
1,814	..	2959	..	2502,789	15	2502804
4	12,615	..	12,615
1,119	1,328,652	..	1,328,652
15	..	12	..	16,209	..	16,209
315	..	N.A.	..	179,872	..	179,872
40	1,133,439	80,734	1,214,173
1,518	..	510	..	579,377	..	579,377
4,623	..	10,915	..	2,560,955	..	2,560,955
2	8,500	..	8,500
658	4	785	38	1,346,422	68,433	1,414,855
205	..	55	..	728,517	316,320	1,044,837
..	..	1	..	17	..	17
63	676,803	..	676,803
4	7,274	..	7,274
..	48,060	..	48,060
19	398	..	398
15	..	4	..	42,685	..	42,685
..	2,435	..	2,435
DATA NOT AVAILABLE						
2	36,611	..	36,611
15,530	6	16,206	38	17,533,083	469,034	18,002,117

TABLE NO. 52

Classification of Connected Load of Utilities as on 31-3-1973 (in MW)

Sl. No.	State/Corporation	Domestic		Commercial	
		A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6
1	Andhra Pradesh	391.45	..	248.30	..
2	Assam	51.43	..	40.92	..
3	Bihar	159.66	0.24	99.31	0.27
4	Gujarat	715.24	0.06	122.76	0.02
5	Haryana	121.36	0.33	44.98	0.88
6	Himachal Pradesh	89.15	..	23.17	..
7	Jammu & Kashmir	43.25(C)	..	..	..
8	Kerala	318.45	..	107.32	..
9	Madhya Pradesh	271.11	..	143.53	..
10	Maharashtra	1,385.34	0.01	447.15	0.01
11	Manipur	2.96(C)	..	..	..
12	Mysore	406.83	..	82.32	..
13	Nagaland	11.59(C)	..	..	..
14	Orissa	68.17	..	51.13	..
15	Punjab (E)	324.36	5.71	114.12	3.94
16	Rajasthan	217.98	..	85.30	..
17	Tamil Nadu	712.37	..	381.51	..
18	Tripura (G)	4.50	..	0.60	..
19	Uttar Pradesh	506.92	34.59	132.66	14.96
20	West Bengal	536.68	327.45(F)	126.87	0.57
21	D.V.C.	DATA NOT AVAILABLE			
	<i>Union Territories</i>				
	(a) Delhi	403.01	..	89.68	..
	(b) A. & Nicobar Islands	DATA NOT AVAILABLE			
	(c) Chandigarh	56.53	..	27.09	..
	(d) Dadra & Nagar Haveli (G)	0.23	..	..	..
	(e) Goa, Daman and Diu	28.15	..	9.46	..
	(f) Laccadive, Minicoy & Admindive	0.95	..	0.27	..
	(g) N.E.F.A.	DATA NOT AVAILABLE			
	(h) Pondicherry	17.85(C)	..	..	..
	ALL INDIA	6,845.52	368.39	2,378.45	20.65

(A) Included in Industrial Load.

(B) Public Water Works included in Agricultural.

(C) Includes Commercial figures.

(D) Connected load of HV consumers of Punjab State Electricity Board included in LV consumers.

(E) Data for Amritsar Municipality repeated.

(F) Includes Commercial figures of CESC.

(G) Data repeated.

TABLE NO. 52—Contd.

Classification of Connected Load of Utilities as on 31-3-1973 (in MW)

Industrial Power (Low and Medium)		Industrial Power (H.T.)		Public Lighting	
A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
7	8	9	10	11	12
280.22	..	434.22	..	17.66	..
71.42	..	75.84	..	2.74	..
306.82	0.13	465.13	..	4.40	..
522.82	0.05	599.57	..	19.73	..
251.82	0.08	219.93	..	1.86	..
37.03	..	4.60	..	0.69	..
60.00	..	..	..	0.89	..
223.96	..	331.09	..	13.66	..
255.88	..	339.59	..	13.85	..
864.19	0.26	1,668.43	..	29.02	..
2.66	..	..	..	0.07	..
265.88	..	449.39	..	20.83	..
1.07	..	0.69	..	0.26	..
59.22	..	258.67	..	5.03	..
488.99(D)	1.66	0.45	..	3.14	0.18
189.79	..	163.73	..	6.02	..
549.11	..	676.54	..	53.37	..
4.00	..	..	..	0.40	..
609.55	6.79	691.84	..	9.94	0.55
249.43	114.49	834.78	0.16	6.46	4.13
DATA NOT AVAILABLE					
122.29	..	82.66	..	8.03	..
DATA NOT AVAILABLE					
25.81	..	..	..	0.65	..
0.88	..	0.40	..	0.04	..
29.26	..	30.07	..	0.42	..
0.14	..	..	..	0.02	..
DATA NOT AVAILABLE					
16.59	..	13.79	..	0.61	..
5,488.83	123.46	7,341.41	0.16	219.79	4.86

TABLE No. 52—Contd.

Classification of Connected Load of Utilities as on 31-3-1973 (in MW)

Sl. No.	State/Corporation	Traction		Agricultural	
		A.C.	D.C.	A.C.	D.C.
1	2	13	14	15	16
1	Andhra Pradesh	..	..	1,017.31	..
2	Assam	..	..	9.50	..
3	Bihar	138.96	..	252.69	..
4	Gujarat	..	..	561.44	..
5	Haryana	..	..	537.64	..
6	Himachal Pradesh	..	..	6.44	..
7	Jammu & Kashmir	..	..	6.70	..
8	Kerala	..	..	108.80	..
9	Madhya Pradesh	37.10	..	274.42	..
10	Maharashtra	35.00	..	955.01	..
11	Manipur	..	..	..	..
12	Mysore	..	..	557.72	..
13	Nagaland	..	..	0.01	..
14	Orissa	21.00	..	23.73	..
15	Punjab	..	..	476.07	..
16	Rajasthan	..	..	333.62	..
17	Tamil Nadu	35.18	..	2,103.73	..
18	Tripura	..	..	0.25	..
19	Uttar Pradesh	81.29	..	1,100.51	Neg.
20	West Bengal	104.37	Neg.	27.26	..
21	D.V.C.		DATA NOT AVAILABLE		
	<i>Union Territories</i>				
	(a) Delhi	..	..	2.91	..
	(b) Andaman and Nicobar Islands		DATA NOT AVAILABLE		
	(c) Chandigarh	..	..	7.16(B)	..
	(d) Dadra & Nagar Haveli	..	..	0.22	..
	(e) Goa, Daman and Diu	..	..	1.25	..
	(f) L. Minicoy and Amindive	..	..	..	..
	(g) N.E.F.A.		DATA NOT AVAILABLE		
	(h) Pondicherry	..	..	21.47	..
	ALL INDIA	452.90	..	8,385.86	..

TABLE NO. 52—Concl'd.

Classification of Connected Load of Utilities as on 31-3-1973 (in MW)

Public Water Works & Sewage		Miscellaneous		Total		Grand Total
A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
17	18	19	20	21	22	23
(A)	2,389.16	..	2,389.16
4.25	..	N.A.	..	256.10	..	256.10
15.96	0.06	N.A.	..	1,442.93	0.70	1,443.63
50.96	..	10.90	..	2,603.42	0.13	2,603.55
(B)	..	13.06	..	1,190.65	1.29	1,191.94
3.62	..	52.42	..	217.12	..	217.12
5.00	115.84	..	115.84
8.88	1,112.16	..	1,112.16
23.62	1,359.09	..	1,359.09
63.27	..	62.55	..	5,509.96	0.28	5,510.24
0.08	5.76	..	5.76
23.59	1,806.57	..	1,806.57
0.32	..	1.96	..	15.90	..	15.90
7.89	..	N.A.	..	494.84	..	494.84
0.55	1,407.69	11.49	1,419.18
36.19	..	13.15	..	1,045.78	..	1,045.78
26.09	..	77.96	..	4,615.86	..	4,615.86
0.40	10.15	..	10.15
25.81	0.21	36.70	Neg.	3,195.22	57.10	3,252.32
28.21	..	0.25	..	1,914.31	446.80	2,361.11
DATA NOT AVAILABLE						
24.94	733.52	..	733.52
DATA NOT AVAILABLE						
..	117.24	..	117.24
0.03	1.80	..	1.80
3.38	..	0.74	..	102.73	..	102.73
..	1.38	..	1.38
DATA NOT AVAILABLE						
1.23	71.54	..	71.54
354.27	0.27	269.69	..	31,736.72	517.79	32,254.51

TABLE NO. 53

Towns Electrified in the various Population Groups (1961 Census) as on 31-3-1973

Sl. No.	States/Union Territories	Total No.	No. electrified in various population groups		
			Below 5,000	5,000-9,999	10,000-19,999
1	2	3	4	5	6
1	Andhra Pradesh	223	7	72	73
2	Assam	53	11	20	9
3	Bihar	153	8	46	52
4	Gujarat	181	8	60	54
5	Haryana	61	12	15	15
6	Himachal Pradesh	30	18	7	4
7	Jammu & Kashmir	43	30	6	4
8	Karnataka	231	37	64	81
9	Kerala	92	1	18	33
10	Madhya Pradesh	219	17	98	57
11	Maharashtra	266	15	88	89
12	Manipur	1	..	..	..
13	Meghalaya	6	..	3	2
14	Nagaland	3	..	3	..
15	Orissa	62	3	25	22
16	Punjab	109	20	35	23
17	Rajasthan	145	9	51	52
18	Tamil Nadu	339	36	95	119
19	Tripura	6	..	4	1
20	Uttar Pradesh	267	16	79	81
21	West Bengal	184	12	49	44
	TOTAL (STATES)	2,674	260	838	815
	<i>Union Territories</i>				
	(a) Andaman & Nicobar Islands	1	..	..	1
	(b) Arunachal Pradesh	Nil	..	..	..
	(c) Chandigarh	2	..	1	..
	(d) Dadra & Nagar Haveli	Nil	..	..	..
	(e) Delhi	3	..	..	..
	(f) Goa, Daman & Diu	13	7	4	1
	(g) Lakshadweep	Nil	..	..	..
	(h) Mizoram	1	..	..	1
	(i) Pondicherry	5	..	2	1
	TOTAL (U.Ts)	25	7	7	4
	TOTAL (ALL INDIA)	2,699	267	845	819

TABLE NO. 53—Contd.

Towns Electrified in the various Population Groups (1961 Census) as on 31-3-1973

Sl. No.	States/Union Territories	No. electrified in various population groups			Total number electrified as on 31-3-1973
		20,000-49,999	50,000-99,999	1,00,000 and above	
1	2	7	8	9	10
1	Andhra Pradesh	51	9	11	223
2	Assam	10	1	1	52
3	Bihar	33	7	7	153
4	Gujarat	43	9	6	180
5	Haryana	11	7	1	61
6	Himachal Pradesh	1	..	..	30
7	Jammu & Kashmir	1	..	2	43
8	Karnataka	34	9	6	231
9	Kerala	31	5	4	92
10	Madhya Pradesh	35	6	6	219
11	Maharashtra	47	15	12	266
12	Manipur . . . . .	..	1	..	1
13	Meghalaya . . . . .	..	1	..	6
14	Nagaland . . . . .	..	..	..	3
15	Orissa	8	3	1	62
16	Punjab	23	4	4	109
17	Rajasthan	23	4	6	145
18	Tamil Nadu	61	19	9	339
19	Tripura . . . . .	..	1	..	6
20	Uttar Pradesh	56	18	17	267
21	West Bengal	46	19	12	182
	TOTAL (STATES)	514	138	105	2670
	<i>Union Territories</i>				
	(a) Andaman & Nicobar Island . . . . .	..	..	..	1
	(b) Arunachal Pradesh . . . . .	..	..	..	..
	(c) Chandigarh . . . . .	..	1	..	2
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(e) Delhi	1	..	2	3
	(f) Goa, Daman & Diu	1	..	..	13
	(g) Lakshadweep . . . . .	..	..	..	..
	(h) Mizoram . . . . .	..	..	..	1
	(i) Pondicherry	2	..	..	5
	TOTAL (U.Ts.)	4	1	2	25
	TOTAL (ALL INDIA)	518	139	107	2,695

TABLE NO. 54

Villages Electrified in the various Population Groups (1961 Census) as on 31-3-1973

Sl. No.	States/Union Territories	Total No.	No. of electrified in various population groups		
			Below 500	500-999	1,000-1,999
1	2	3	4	5	6
1	Andhra Pradesh	27,084	950	1,947	3,401
2	Assam	20,565	211	204	255
3	Bihar (+)	67,665	3,300	2,200	2,000
4	Gujarat	18,584	829	1,436	1,729
5	Haryana	6,669	2,756	1,872	1,307
6	Himachal Pradesh	13,060 (16,916*)	2,908(*)	374(*)	152(*)
7	Jammu & Kashmir	6,559(26,820*)	397	263	171
8	Karnataka	26,377	3,702(*)	3,478(*)	2,790(*)
9	Kerala	1,573	6	11	30
10	Madhya Pradesh	70,414	4,741	2,929	1,582
11	Maharashtra	35,851	4,608	4,614	3,776
12	Manipur (+)	1,866	44	49	60
13	Meghalaya (+)	4,407	55	40	8
14	Nagaland	814	40	14	21
15	Orissa (+)	46,466	2,653	2,000	1,400
16	Punjab	11,947	2,678	2,040	1,379
17	Rajasthan	32,241	1,808	1,336	1,122
18	Tamil Nadu	14,124	1,818	3,157	4,657
19	Tripura	4,932	26	40	17
20	Uttar Pradesh (+)	1,12,624	11,190	8,100	4,100
21	West Bengal	38,454	1,584	1,516	1,395
	TOTAL (STATES)	5,62,276	46,304	37,620	31,392
	<i>Union Territories</i>				
	(a) Andaman & Nicobar Islands (+)	399	18	14	2
	(b) Arunachal Pradesh	2,451	30	16	5
	(c) Chandigarh	31	15	12	3
	(d) Dadra & Nagar Haveli	72	4	1	6
	(e) Goa, Daman & Diu	245	5	29	53
	(f) Delhi	276	76	99	59
	(g) Lakshadweep	10	..	..	2
	(h) Mizoram (+)	730	..	..	2
	(i) Pondicherry	388	213	89	62
	TOTAL (U. Ts)	4,602	361	260	194
	TOTAL (ALL INDIA)	5,66,878	46,665	37,880	31,586

N.B.(+) Population-wise break-up estimated.

(*) As per 1971 Census.

TABLE NO. 54—Contd.
Villages Electrified in the various Population Groups (1961 Census) as on 31-3-1973

Sl. No.	States/Union Territories	No. of electrified in various population groups			Total number electrified as on 31-3-73
		2,000-4,999	5,000-9,999	10,000 & above	
1	2	7	8	9	10
1	Andhra Pradesh	3,010	425	28	9,761
2	Assam	143	8	..	821
3	Bihar(+)	1,500	195	20	9,215
4	Gujarat	1,119	140	7	5,260
5	Haryana	662	70	2	6,669
6	Himachal Pradesh	20(*)	3(*)	..	3,457(*)
7	Jammu & Kashmir	34	1	..	866
8	Karnataka	1,494(*)	227(*)	9(*)	11,700(*)
9	Kerala	307	485	499	1,338
10	Madhya Pradesh	654	27	..	9,933
11	Maharashtra	1,847	281	29	15,155
12	Manipur (+)	50	2	..	205
13	Meghalaya (+)	..	..	..	103
14	Nagaland	8	..	..	83
15	Orissa (+)	300	13	..	6,366
16	Punjab	489	39	1	6,626
17	Rajasthan	559	87	..	4,912
18	Tamil Nadu	3,483	448	96	13,699
19	Tripura	12	..	..	95
20	Uttar Pradesh	3,200	308	23	26,921
	West Bengal	889	140	13	5,537
	TOTAL (STATES)	19,780	2,899	727	1,38,722
	<i>Union Territories</i>				
	(a) Andaman & Nicobar Islands(+)	..	..	..	34
	(b) Arunachal Pradesh	5	..	..	56
	(c) Chandigarh	1	..	..	31
	(d) Dadra & Nagar Haveli	3	..	..	14
	(e) Goa, Daman & Diu	63	11	2	163
	(f) Delhi	42	..	..	276
	(g) Lakshadweep	6	..	..	8
	(h) Mizoram(+)	1	..	..	3
	(i) Pondicherry	21	3	..	388
	TOTAL (U.Ts.)	142	14	2	973
	TOTAL (ALL INDIA)	19,922	2,913	729	1,39,695

TABLE NO. 55

Electricity Production and Consumption in Selected Industries for the year 1972-73

Sl. No.	Name of Industry	Total Number of factories covered	Installed Generating Plant Capacity as on 31-3-73 (kW)	Aggregate Maximum Demand (KVA)		Energy (M. kWh)
				Generation in own Power Stations	Purchase from Public Utility Undertakings	Generated in own Power Stations
1	2	3	4	5	6	7
1	Aluminium (Primary)	7	147,800	164,100	341,953	1,132·236
2	Aluminium (Secondary)	11	610	360	14,253	0·012
3	Automobile	6	2,240	1,400	37,906	2·802
4	Cement (Primary)	34	114,175	92,477	191,316	445·545
5	Cement (Secondary)	24	2,290	1,140	14,532	0·818
6	Chemicals	78	64,678	37,993	457,944	212·438
7	Collieries	132	65,676	41,840	126,356	182·806
8	Electrical Engineering	44	8,216	5,097	62,761	6·581
9	Fertilizers	17	139,607	127,610	497,772	672·922
10	Food & Food Products	17	4,997	1,443	7,629	1·247
11	Heavy Engineering	18	7,732	2,000	162,228	0·020
12	Iron (Primary)	8	423,272	328,972	492,282	1,367·698
13	Iron (Secondary)	23	1,328	650	79,735	0·216
14	Jute	74	29,505	18,200	150,801	63·226
15	Light Engineering	33	5,895	2,775	54,402	3·601
16	Mineral Oil & Petroleum	11	86,676	84,237	44,522	451·341
17	Mining & Quarrying	10	4,268	592	10,834	0·089
18	Miscellaneous	39	6,163	2,490	38,958	5·822
19	Non-ferrous	19	17,580	5,441	156,835	12·275
20	Paper	30	120,488	99,225	134,587	520·328
21	Plastic	2	680	..	31,000	..
22	Rubber & Rubber Products	7	1,100	925	36,248	0·300
23	Sugar	145	224,202	164,364	39,387	374·305
24	Textile	349	173,593	85,326	816,242	475·120
	TOTAL	1,138	1,652,771	1,268,657	4,000,483	5,931·748

TABLE NO. 55—Contd.

Electricity Production and Consumption in Selected Industries for the year 1972-73

Sl. No.	Nature of Industry	Energy (M. kWh)	Energy used in Industry	Energy sold to		Annual load factor
		Purchased from Public Utility Undertakings		Public utility undertaking (M. kWh)	Non-utility undertaking (M. kWh)	
1	2	8	9	10	11	12
1	Aluminium (Primary)	2,408·873	3,445·941	..	..	97·16
2	Aluminium (Secondary)	69·465	69·477	..	..	67·84
3	Automobile	119·413	122·143	..	..	44·34
4	Cement (Primary)	851·806	1,259·125	..	0·114	63·31
5	Cement (Secondary)	58·247	59·043	..	..	53·76
6	Chemicals	1,575·308	1,760·034	..	..	50·64
7	Collieries	476·132	638·715	..	1·315	54·19
8	Electrical Engineering	243·051	243·772	..	5·360	51·26
9	Fertilizers	2,318·707	2,917·931	2·840	..	66·58
10	Food and Food Products	40·217	41·457	..	..	65·21
11	Heavy Engineering	540·177	532·939	..	7·258	46·31
12	Iron (Primary)	2,267·353	3,335·670	58·700	30·371	57·96
13	Iron (Secondary)	377·050	377·266	..	..	66·97
14	Jute	636·845	694·883	..	..	58·67
15	Light Engineering	177·332	180·833	..	..	45·13
16	Mineral Oil & Petroleum	163·354	457·166	116·310	0·420	50·66
17	Mining & Quarrying	47·470	47·557	..	..	59·39
18	Miscellaneous	158·508	164·053	..	..	56·48
19	Non-ferrous	735·789	746·918	..	..	65·66
20	Paper	672·469	1,111·635	..	31·413	67·84
21	Plastic	181·872	181·872	..	..	83·72
22	Rubber & Rubber Products	141·566	141·851	..	..	54·45
23	Sugar	82·840	420·266	..	2·804	29·43
24	Textile	3,508·957	3,965·408	..	5·148	62·76
	TOTAL	17,852·801	22,915·955	177·850	84·203	62·06

TABLE NO. 56

Statewise Electricity Production and Consumption in Selected Industries for the year 1972-73

Sl. No.	States/Union Territories	Total No. of factories covered	Installed generating plant capacity as on 31-3-73 (KW)	Aggregate Maximum Demand (KVA)	
				Generation in own power stations	Purchase from Public Utility Undertakings
1	2	3	4	5	6
1	Andhra Pradesh	47	104,642	80,834	156,686
2	Assam	10	18,532	17,412	21,044
3	Bihar	103	365,400	286,491	613,788
4	Gujarat	120	93,025	63,541	297,427
5	Haryana	33	29,447	23,522	57,707
6	Jammu & Kashmir		DATA NOT AVAILABLE		
7	Kerala	42	33,999	25,592	144,144
8	Madhya Pradesh	47	122,259	107,025	173,949
9	Maharashtra	238	128,380	59,333	744,334
10	Mysore	46	51,470	30,564	353,964
11	Orissa	12	146,642	130,441	225,372
12	Punjab	15	5,621	3,707	189,100
13	Rajasthan	26	82,106	64,958	80,023
14	Tamil Nadu	95	65,359	47,273	219,443
15	Uttar Pradesh	83	210,271	200,672	237,848
16	West Bengal	202	162,424	106,015	457,084
	<i>Union Territories</i>				
	(a) Delhi	7	28,666	21,155	12,191
	(b) Rest	12	4,528	122	16,379
	TOTAL	1,138	1,652,771	1,268,657	4,000,483

TABLE NO. 56—Contd.

Statewise Electricity Production and Consumption in Selected Industries for the year 1972-73

(Million kWh)

Sl. No.	States/Union Territories	Energy Generated in own Power Stations		Purchased from Public Utility Undertakings	Used in Industry	Energy sold to	
		Gross Generation	Net Generation			Public Utility Undertakings	Non-utility Undertakings
1	2	7	8	9	10	11	12
1	Andhra Pradesh . . .	275·347	243·035	601·725*	843·186*	..	32·686
2	Assam	56·886	50·604	108·284	158·466	..	0·420
3	Bihar	1,379·413	1,242·721	1,824·588	2,998·534	62·910	5·865
4	Gujarat	433·722	401·733	1548·758	1,835·553	114·940	..
5	Haryana	79·367	76·382	217·723	294·105	..	..
6	Jammu & Kashmir . . .	NOT AVAILABLE		NOT AVAILABLE			
7	Kerala	92·943	79·263	936·631	1,015·894	..	..
8	Madhya Pradesh . . .	507·889	426·837	936·350	1,327·432	..	35·775
9	Maharashtra	247·114	226·428	3,236·201	3,458·518	..	4·111
10	Mysore	83·599	76·666	1,918·211	1,994·877	..	..
11	Orissa	561·209	474·007	1,153·613	1,627·620	..	..
12	Punjab	2·204	2·173	955·910	958·083	..	..
13	Rajasthan	360·480	325·919	349·137	675·056	..	..
14	Tamil Nadu	204·716	182·455	1,086·341	1,268·796	..	..
15	Uttar Pradesh	1,199·601	1,092·670	1,051·051	2,142·829	..	0·892
16	West Bengal	321·255	282·594	1,797·968	2,076·088	..	4·474
	<i>Union Territories</i>						
	(a) Delhi	125·900	110·507	43·334	153·841	..	..
	(b) Rest	0·103	0·101	86·976	87·077	..	..
	TOTAL	5,931·748	5,294·095	17,852·801	22,915·955	177·850	84·203

*Includes 31.112 M. kWh purchased from Public Utility.

TABLE NO. 57

Distribution of Energy Generation in Industrial Establishments according to the range of their Installed Plant Capacity for the year 1972-73

Sl. No.	Range of Installed Plant Capacity (KW)	No. of Industrial Establishments	Aggregate Installed Plant Capacity of the Group (KW)	Percentage to total capacity	Energy Generation by the Group (M. kWh)	Percentage to total energy generation
1	2	3	4	5	6	7
1	1 to 1000	311	109,392	6.62	72.763	1.22
2	1,001 to 10,000	171	526,642	31.86	1,266.589	21.36
3	10,001 to 25,000	24	374,725	22.67	1,593.459	26.87
4	25,001 and above	8	642,012	38.85	2,998.937	50.55
	TOTAL	514	1,652,771	100.00	5,931.748	100.00

TABLE NO. 58

Installed Generating Plant Capacity of Selected Industries as on 31-3-1973

Sl. No.	Name of State/Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Automobile	Cement (Primary)	Cement (Secondary)
1	2	3	4	5	6	7
1	Andhra Pradesh . . . . .	..	..	..	310	..
2	Assam . . . . .	..	..	..	..	..
3	Bihar	4,000	..	..	32,500	..
4	Gujarat . . . . .	..	..	..	16,100	75
5	Haryana . . . . .	..	..	120	2,500	1,370
6	Kerala . . . . .	..	400	..	..	295
7	Madhya Pradesh . . . . .	..	..	..	19,655	..
8	Maharashtra . . . . .	..	..	..	..	150
9	Mysore	350	..	800	10,220	..
10	Orissa . . . . .	..	210	..	370	..
11	Punjab . . . . .	..	..	..	..	..
12	Rajasthan . . . . .	..	..	..	30,288	..
13	Tamil Nadu . . . . .	..	..	..	1,665	400
14	Uttar Pradesh	125,000	..	..	567	..
15	West Bengal	18,450	..	1,320	..	..
	<i>Union Territories</i>					
	(a) Delhi . . . . .	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	..
	TOTAL	147,800	610	2,240	114,175	2,290

TABLE NO. 58—Contd.

Installed Generating Plant Capacity of Selected Industries as on 31-3-1973

Sl. No.	Name of State/Union Territory	Chemicals	Collieries	Engineering (Elect.)	Fertilizers	Food Products	Heavy Engg.	Iron (Primary)
1	2	8	9	10	11	12	13	14
1	Andhra Pradesh . . .	125	40,300	450	200	1,315	50	..
2	Assam	205	1,226	..	250	..	..	..
3	Bihar . . . . .	..	16,000	..	80,500	..	1,470	175,500
4	Gujarat	15,198	..	..	1,950	..	..	..
5	Haryana	204	..	581	..	120	..	..
6	Kerala	981	..	..	17,300	320	..	..
7	Madhya Pradesh . . .	..	5,150	3,100	..	..	..	36,000
8	Maharashtra	16,189	..	11,594	500	1,683	970	..
9	Mysore	1,504	..	1,742	..	..	3,094	1,760
10	Orissa . . . . .	..	3,000	..	..	..	..	130,012
11	Punjab	180	..	..	545	868	..	..
12	Rajasthan	500	..	..	35,160	..	..	..
13	Tamil Nadu	50	..	333	952	160	608	..
14	Uttar Pradesh	12,842	..	416	..	471	285	..
15	West Bengal	1,890	..	..	2,250	60	1,255	80,000
	<i>Union Territories</i>							
	(a) Delhi	14,810	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	..	..	..
	TOTAL	64,678	65,676	8,216	139,607	4,997	7,732	423,272

TABLE No. 58—Contd.

Installed Generating Plant Capacity of Selected Industries as on 31-3-1973

Sl. No.	Name of State/Union Territory	Iron & Steel	Jute	Light Engg.	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous
1	2	15	16	17	18	19	20
1	Andhra Pradesh . . . . .	..	..	..	75	..	..
2	Assam . . . . .	..	..	..	16,476	..	375
3	Bihar . . . . .	..	3,095	..	24,000	750	360
4	Gujarat	50	..	..	24,000	200	..
5	Haryana	443	..	2,866	..	..	1,340
6	Kerala . . . . .	..	..	165	..	..	514
7	Madhya Pradesh . . . . .	..	..	..	..	..	..
8	Maharashtra	235	..	823	..	..	166
9	Mysore . . . . .	..	..	150	..	36	..
10	Orissa . . . . .	..	..	..	..	..	..
11	Punjab . . . . .	..	..	..	..	..	..
12	Rajasthan . . . . .	..	..	1,491	..	..	..
13	Tamil Nadu . . . . .	..	..	400	22,000	..	1,325
14	Uttar Pradesh . . . . .	..	750	..	..	..	1,520
15	West Bengal	600	25,660	..	125	..	488
	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	3,282	75
	TOTAL	1,328	29,505	5,895	86,676	4,268	6,163

TABLE NO. 58—Concl'd.

Installed Generating Plant Capacity of Selected Industries as on 31-3-1973

Sl. No.	Name of State/Union Territory	Non-Ferrous	Paper	Plastic	Rubber	Sugar	Textile	Total
1	2	21	22	23	24	25	26	27
1	Andhra Pradesh . . .	..	29,080	..	..	29,787	2,950	104,642
2	Assam . . . . .	..	..	..	..	..	..	18,532
3	Bihar	7,975	..	..	..	19,250	..	365,400
4	Gujarat . . . . .	..	6,000	..	..	6,469	22,983	93,025
5	Haryana . . . . .	..	9,750	..	455	4,558	5,140	29,447
6	Kerala . . . . .	..	180	..	..	2,055	11,789	33,999
7	Madhya Pradesh . . .	284	21,525	..	..	4,174	32,371	122,259
8	Maharashtra . . . . .	..	..	680	545	64,821	40,024	128,380
9	Mysore	6,700	5,553	..	..	14,679	4,882	51,470
10	Orissa	600	12,000	..	..	450	..	146,642
11	Punjab . . . . .	..	..	..	..	650	3,378	5,621
12	Rajasthan	2,021	..	..	..	640	12,006	82,106
13	Tamil Nadu . . . . .	..	2,500	..	100	17,501	17,365	65,359
14	Uttar Pradesh . . . . .	..	4,700	..	..	58,146	5,574	210,271
15	West Bengal . . . . .	..	29,200	..	..	1,022	104	162,424
	<i>Union Territories</i>							
	(a) Delhi . . . . .	..	..	..	..	..	13,856	28,666
	(b) Rest . . . . .	..	..	..	..	..	1,171	4,528
	TOTAL	17,580	120,488	680	1,100	224,202	173,593	1,652,771

TABLE No. 59

Energy Consumed in Selected Industries during the year 1972-73

Sl. No.	Name of State/Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Automobiles	Cement (Primary)	Cement (Secondary)
1	2	3	4	5	6	7
1	Andhra Pradesh	..	..	..	63.954	..
2	Assam	..	..	..	..	..
3	Bihar	0.226	..	..	313.283	1.596
4	Gujarat	..	..	..	122.258	22.545
5	Haryana	..	..	1.800	57.492	5.405
6	Kerala	365.100	6.669	..	6.971	0.852
7	Madhya Pradesh	..	..	..	157.940	6.259
8	Maharashtra	..	17.754	30.548	..	3.380
9	Mysore	767.897	..	19.262	129.431	..
10	Orissa	429.106	4.773	..	50.994	..
11	Punjab	..	..	..	..	..
12	Rajasthan	..	..	..	152.679	0.689
13	Tamil Nadu	257.199	0.008	..	158.160	1.194
14	Uttar Pradesh	1,422.620	..	..	45.963	..
15	West Bengal	203.793	40.273	70.533	..	17.098
	<i>Union Territories</i>					
	(a) Delhi	..	..	..	..	0.025
	(b) Rest	..	..	..	..	..
	TOTAL	3,445.941	69.477	122.143	1,259.125	59.043

TABLE No. 59—Contd.

Energy Consumed in Selected Industries during the year 1972-73

Sl. No.	Name of State/Union Territory	Chemicals	Collieries	Engineering Elec.	Fertilizers	Food Products	Heavy Engg.	Iron (Primary)
	2	8	9	10	11	12	13	14
1	Andhra Pradesh . . .	46·042	94·848	18·621	131·642	7·755	7·168	..
2	Assam	0·998	8·668	..	78·662	..	..	..
3	Bihar	211·667	302·420	14·455	371·305	..	345·535	1,161·085
4	Gujarat	250·067	..	6·436	353·087	0·318	..	..
5	Haryana	2·505	..	3·698	..	1·376	..	..
6	Kerala	221·885	..	4·960	251·165	0·474	..	..
7	Madhya Pradesh . . .	..	54·338	43·935	..	..	..	619·976
8	Maharashtra	465·907	2·464	49·110	240·037	19·520	28·483	..
9	Mysore	6·625	..	58·932	0·713	..	38·329	588·706
10	Orissa . . . . .	..	13·577	..	..	..	16·316	792·953
11	Punjab	2·225	..	..	902·026	8·678	..	..
12	Rajasthan	149·088	..	..	211·602	..	..	..
13	Tamil Nadu	144·474	..	15·882	118·640	0·439	15·000	..
14	Uttar Pradesh	68·400	..	5·606	232·865	2·039	14·018	..
15	West Bengal	107·108	162·400	22·137	26·187	0·858	68·090	172·950
	<i>Union Territories</i>							
	(a) Delhi	83·043	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	..	..	..
	TOTAL	1,760·034	638·715	243·772	2,917·931	41·457	532·939	3,335·670

TABLE No. 59—Contd.

Energy Consumed in Selected Industries during the year 1972-73

Sl. No.	Name of State/Union Territory	Iron (Secondary)	Jute	Light Engg.	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous
1	2	15	16	17	18	19	20
1	Andhra Pradesh . . . . .	..	16·102	7·325	15·658	..	..
2	Assam . . . . .	..	..	0·529	68·928	..	0·681
3	Bihar	41·687	10·767	24·493	100·278	0·219	1·902
4	Gujarat	0·556	..	..	68·588	0·045	..
5	Haryana	0·923	..	22·034	..	..	8·074
6	Kerala . . . . .	..	..	9·447	..	..	7·922
7	Madhya Pradesh . . . . .	..	..	..	..	..	..
8	Maharashtra	173·995	..	68·266	111·308	..	92·149
9	Mysore . . . . .	..	..	19·457	..	1·133	0·851
10	Orissa . . . . .	..	..	..	..	..	..
11	Punjab . . . . .	..	..	..	..	..	..
12	Rajasthan . . . . .	..	..	27·800	..	..	0·191
13	Tamil Nadu	3·359	..	1·482	91·548	..	8·047
14	Uttar Pradesh	9·538	11·930	..	..	..	4·804
15	West Bengal	147·208	656·084	..	0·858	..	39·272
	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	46·160	0·160
	TOTAL	377·266	694·883	180·833	457·166	47·557	164·053

TABLE No. 59—Concl'd.

Energy Consumed in Selected Industries during the year 1972-73

Sl. No.	Name of State/Union Territory	Non-Ferrous	Paper	Plastic	Rubber	Sugar	Textile	Total
1	2	21	22	23	24	25	26	27
1	Andhra Pradesh . . .	141·679	169·552	..	..	68·196	54·644	843·186
2	Assam . . . . .	..	..	..	..	..	..	158·466
3	Bihar	78·378	..	..	..	19·238	..	2,998·534
4	Gujarat . . . . .	..	31·159	..	..	12·087	968·407	1,835·553
5	Haryana . . . . .	..	134·745	..	3·057	11·649	41·347	294·105
6	Kerala . . . . .	..	17·283	..	..	5·757	117·409	1,015·894
7	Madhya Pradesh . . .	3·730	180·362	..	..	2·444	258·448	1,327·432
8	Maharashtra	139·068	99·546	181·872	57·123	125·739	1552·249	3458·518
9	Mysore	163·243	91·373	..	..	33·450	75·475	1,994·877
10	Orissa	202·219	116·094	..	..	1·588	..	1627·620
11	Punjab . . . . .	..	..	..	..	0·720	44·434	958·083
12	Rajasthan	18·601	..	..	..	1·271	113·135	675·056
13	Tamil Nadu . . . . .	..	47·212	..	14·353	47·455	344·344	1,268·796
14	Uttar Pradesh . . . . .	..	41·633	..	..	89·889	193·524	2,142·829
15	West Bengal . . . . .	..	182·676	..	67·318	0·783	90·462	2,076·088
	<i>Union Territories</i>							
	(a) Delhi . . . . .	..	..	..	..	..	70·773	153·841
	(b) Rest . . . . .	..	..	..	..	..	40·757	87·077
	TOTAL	746·918	1,111·635	181·872	141·851	420·266	3,965·408	22,915·955

TABLE No. 60

Installed Plant Capacity and Energy Generation by the Indian Railways during the year 1972-73

Sl. No.	Name of Railways	Installed Plant Capacity			Total
		Steam	Diesel	Hydro	
	2	3	4	5	6
1	Central Railway	4,540	3,305	..	7,845
2	Eastern Railway	4,800	10	..	4,810
3	Northern Railway . . . . .	..	3,373	..	3,373
4	North Eastern Railway	3,000	2,263	..	5,263
5	North East Frontier Railway . . . . .	..	11,056	..	11,056
6	Southern Railway . . . . .	..	376	..	376
7	South Central Railway . . . . .	..	3,211	..	3,211
8	South Eastern Railway	7,160	36	..	7,196
9	Western Railway	7,800	4,629	..	12,429
	TOTAL	27,300	28,259	..	55,559

TABLE No. 60 – Contd.

*Installed Plant Capacity and Energy Generation by the Indian Railways
during the year 1972-73*

Sl. No.	Name of Railways	Maximum Demand (KVA)	Energy Generated (M.kWh)			
			Steam	Diesel	Hdydro	Total
1	2	7	8	9	10	11
1	Central Railway	150	..	0.024	..	0.024
2	Eastern Railway	2,905	9.923	0.002	..	9.925
3	Northern Railway	4,880	..	1.502	..	1.502
4	North Eastern Railway	5,985	0.036	0.257	..	0.293
5	North East Frontier Railway	8,063	..	10.915	..	10.915
6	Southern Railway . . . . .	..	..	0.002	..	0.002
7	South Central Railway	5,441	..	0.400	..	0.400
8	South Eastern Railway	2,390	6.463	0.013	..	6.476
9	Western Railway	4,497	7.188	1.120	..	8.308
	TOTAL	34,311	23.610	14.235	..	37.845

TABLE No. 60—Concl'd.

*Installed Plant Capacity and Energy Generation by the Indian Railways
during the year 1972-73*

Sl. No.	Name of Railways	Energy used for power station auxiliaries (M. kWh)	Fuel consumed		
			Coal (Tonnes)	Furnace oil (K. lit)	Light/High speed diesel oil (K. Lit)
1	2	12	13	14	15
1	Central Railway	0.002	..	..	25
2	Eastern Railway	1.054	13,145	..	1
3	Northern Railway	0.070	..	..	860
4	North Eastern Railway	0.020	95	..	88
5	North East Frontier Railway	0.546	..	..	3,692
6	Southern Railway	0.002	..	..	8
7	South Central Railway	0.020	..	..	169
8	South Eastern Railway	0.518	10,926	..	11
9	Western Railway	0.706	10,683	..	449
	TOTAL .	2.938	34,849	..	5,303

TABLE NO. 61

*Statewise Installed Plant Capacity and Energy Generation by the Indian Railways
during the year 1972-73*

Sl. No.	Name of State/Union Territory	Installed Plant Capacity (KW)			
		Steam	Diesel	Hydro	Total
1	2	3	4	5	6
1	Andhra Pradesh . . . . .	..	464	..	464
2	Assam . . . . .	..	5,651	..	5,651
3	Bihar	4,800	1,624	..	6,424
4	Gujarat	3,300	1,928	..	5,228
5	Haryana . . . . .	..	356	..	356
6	Jammu & Kashmir . . . . .	..	..	..	..
7	Kerala . . . . .	..	71	..	71
8	Madhya Pradesh . . . . .	..	1,305	..	1,305
9	Maharashtra	2,290	1,750	..	4,040
10	Mysore . . . . .	..	1,382	..	1,382
11	Nagaland . . . . .	..	110	..	110
12	Orissa . . . . .	..	36	..	36
13	Punjab . . . . .	..	497	..	497
14	Rajasthan	4,500	4,152	..	8,652
15	Tamil Nadu . . . . .	..	282	..	282
16	Uttar Pradesh	5,250	4,118	..	9,368
17	West Bengal	7,160	4,497	..	11,657
	<i>Union Territories</i>				
	(a) Delhi . . . . .	..	26	..	26
	(b) The Rest . . . . .	..	10	..	10
	TOTAL	27,300	28,259	..	55,559

TABLE No. 61—Contd.

Statewise Installed Plant Capacity and Energy Generation by the Indian Railways
during the year 1972-73

Sl. No.	Name of State/Union Territory	Maximum Demand (KVA)	Energy Generated (M. kWh)			
			Steam	Diesel	Hydro	Total
1	2	7	8	9	10	11
1	Andhra Pradesh	1,299	..	0.055	..	0.055
2	Assam	5,025	..	3.850	..	3.850
3	Bihar	4,819	9.923	0.550	..	10.473
4	Gujarat	1,822	6.106	0.166	..	6.272
5	Haryana	698	..	0.135	..	0.135
6	Jammu & Kashmir . . . . .	..	..	..	..	..
7	Kerala . . . . .	..	..	..	..	..
8	Madhya Pradesh	505	..	0.060	..	0.060
9	Maharashtra	1,418	..	0.119	..	0.119
10	Mysore	2,156	..	0.251	..	0.251
11	Nagaland	56	..	0.135	..	0.135
12	Orissa	15	..	0.012	..	0.012
13	Punjab	1,310	..	0.259	..	0.259
14	Rajasthan	4,152	1.082	1.870	..	2.952
15	Tamil Nadu . . . . .	..	..	0.002	..	0.002
16	Uttar Pradesh	16,163	0.036	0.196	..	0.232
17	West Bengal	4,750	6.463	6.571	..	13.034
	<i>Union Territories</i>					
	(a) Delhi	110	..	..	..	..
	(b) The Rest	13	..	0.004	..	0.004
	TOTAL	34,311	23.610	14.235	..	37.845

TABLE NO. 61—Contd.

Statewise Installed Plant Capacity and Energy Generation by the Indian Railways
during the year 1972-73

Sl. No.	Name of State/Union Territory	Energy used for Power Station Auxiliaries M (kWh)	Fuel consumed		
			Coal Tonnes	Furnace Oil K. Lit.	Light/High Speed Diesel (K. Lit.)
1	2	12	13	14	15
1	Andhra Pradesh	0.601	..	..	26
2	Assam	0.192	..	..	1,197
3	Bihar	1.112	13,145	..	126
4	Gujarat	0.518	7,430	..	51
5	Haryana	0.005	..	..	71
6	Jammu & Kashmir . . . . .	..	..	..	..
7	Kerala . . . . .	..	..	..	..
8	Madhya Pradesh	0.003	..	..	27
9	Maharashtra	0.001	..	..	47
10	Mysore	0.003	..	..	106
11	Nagaland	0.007	..	..	50
12	Orissa	0.001	..	..	11
13	Punjab	0.003	..	..	132
14	Rajasthan	0.236	3,253	..	901
15	Tamil Nadu . . . . .	..	..	..	1
16	Uttar Pradesh	0.010	95	..	266
17	West Bengal	0.846	10,926	..	2,291
	<i>Union Territories</i>				
	(a) Delhi . . . . .	..	..	..	..
	(b) The Rest . . . . .	..	..	..	..
-	TOTAL	2.938	34,849	..	5,303

TABLE NO. 62
Electrical Accidents—1972-73

Sl. No.	Name of State/Union Territory	Generating & Sub-stations				Transmission				
		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	4	6	..	..	34@+4*	35@	..	..
2	Assam	..	..	..	..	2	3	..	..
3	Bihar	1	..	2	3	4	1	..	1	
4	Gujarat	..	..	..	..	13+5*	17+4*	..	..
5	Haryana	DATA NOT AVAILABLE								
6	Himachal Pradesh	..	1	..	..	8+2*	9	..	..
7	Jammu & Kashmir	DATA NOT AVAILABLE								
8	Kerala	..	..	..	..	..	..	..	..
9	Madhya Pradesh	1+1*	8	..	..	24+4*	25	..	..
10	Maharashtra	4	19	14+1*	9	14+3*	41	2	1	
11	Manipur	..	..	..	..	1	2	..	..
12	Mysore	DATA NOT AVAILABLE								
13	Nagaland	..	..	..	..	..	..	..	..
14	Orissa	..	2	..	..	1	..	..	..
15	Punjab	22	14	6	..	15+14*	5	..	..
16	Rajasthan	10	11	..	..	7+2*	22	..	..
17	Tamil Nadu	DATA NOT AVAILABLE								
18	Tripura	..	..	..	..	2	2	..	..
19	Uttar Pradesh	11+2*	28	..	..	82+9*	69	..	..
20	West Bengal	DATA NOT AVAILABLE								
21	Central Govt. Deptts., & H.S.L.	1	2	..	..	..	4	..	..
22	Railways	..	..	..	1	..	..	..	..
23	Mines	..	..	..	..	..	..	..	..
	<i>Union Territories</i>									
	(a) Delhi	1	5	..	..	2	4	..	..
	(b) A. & Nicobar Islands	..	..	..	..	..	..	..	..
	(c) Chandigarh	..	..	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	13+6*	9	..	..
	(f) L. Minicoy & Amindivi	..	..	..	..	..	..	..	..
	(g) Arunachal Pradesh	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	4	..	..	..
	ALL INDIA\$	55+3*	96	22+1*	13	226+49*	248+4*	2	2	

TABLE No. 62—Contd.
Electrical Accidents—1972-73

Distribution				Total		S. No
Electricity Supply Undertaking		Industrial Undertaking		Fatal	Non-fatal	
Fatal	Non-fatal	Fatal	Non-fatal			
11	12	13	14	15	16	1
61+12*	53	..	1	99+16*	95	1
3+4*	5	..	..	5+4*	8	2
7+1*	1	7	11	21+1*	17	3
105+66*	166+14*	..	..	118+71*	183+18*	4
DATA NOT AVAILABLE						5
6+2*	3	..	..	14+4*	13	6
DATA NOT AVAILABLE						7
65+16*	141	..	2	66+16*	143	8
62+26*	65	29+1*	15	116+32*	113	9
117+27*	171	25+4*	18	176+35*	259	10
..	1	..	..	1	3	11
DATA NOT AVAILABLE						12
1	3	..	..	1	3	13
20	28	3	2	24	32	14
22+81*	12	..	3	65+95*	34	15
36+10*	50	..	..	53+12*	83	16
DETAILS NOT AVAILABLE						17
..	..	..	..	218	165	17
..	..	..	..	2	5	18
66+27*	77+1*	..	..	159+38*	174+1*	19
DATA NOT AVAILABLE						20
2	2	..	..	3	8	21
..	..	..	2	..	3£	22
..	..	7	1	7	1	23
11+6*	29	6	..	20+6*	38	a)
..	..	..	..	..	..	b)
1	..	..	..	..	..	c)
4	..	..	..	1	..	d)
..	..	..	..	17+6*	9	e)
..	..	..	..	..	..	f)
..	..	..	..	..	..	g)
..	..	..	..	4	..	h)
589+278*	810+15*	78+5*	55	1,190+336*	1,381+19*	All India

*Accidents to animals.

£The data pertains to the Western Railway.

@31 Fatal accidents (Human), 4 Fatal accidents (Animals), 33 Non-fatal (Human) accidents occurred in miscellaneous category has been included.

§All India total will not tally due to non-availability of categorywise data for Tamil Nadu.

SECTION-II
FINANCIAL STATISTICS

TABLE I

Statement of Capital Outlay (i.e.) Original Cost of Plant, Equipment etc. on Electricity Supply Systems and undertakings owned and operated by States Government Departments, State Electricity Boards, Power Corporations and Local Authorities in the Public Sector and companies. Partnerships, etc. In the Private Sector as on 31 March, 1972

CAPITAL EXPENDITURE

(Figures in Rs. lakhs)

Sl. No.	States, Corporations and Union Territories	Public Sector				Private Sector		Total	
		Government, Boards and Corporations		Municipalities		Companies*		1970-71	1971-72
		1970-71	1971-72	1970-71	1971-72	1970-71	1971-72		
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	21,402	24,628	..	..	..	82	21,402	24,710
2	Assam	5,798	6,315	..	..	140	147	5,938	6,462
3	Bihar	17,172	21,126	..	..	827	830	17,999	21,956
4	Gujarat	15,347	17,527	306	329	4,283	4,490	19,936	22,346
5	Haryana	11,503	12,964	..	..	12	..	11,515	12,964
6	Himachal Pradesh . . . . .	..	2,523	..	68	..	..	..	2,591
7	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..
8	Kerala	12,031	12,575	38	38	55	67	12,124	12,680
9	Madhya Pradesh	16,275	18,371	..	..	261	272	16,536	18,643
10	Maharashtra	23,521	30,271	5,035	5,186	10,680	11,181	39,236	46,638
11	Mysore	10,976	11,480	..	..	195	225	11,171	11,705
12	Nagaland . . . . .	..	..	..	..	..	..	..	..
13	Orissa	9,503	10,839	..	..	..	..	9,503	10,839
14	Punjab	14,507	16,143	198	206	13	13	14,718	16,362
15	Rajasthan	12,630	15,378	..	..	202	112	12,832	15,490
16	Tamil Nadu	35,488	40,814	209	221	1,177	1,280	36,874	42,315
17	Uttar Pradesh	38,330	43,970	283	291	3,375	3,461	41,988	47,722

18	West Bengal	8,246	8,476	26	26	8,478	8,842	16,750	17,344
19	Power Corporation (DVC & Durgapur)	19,139	19,242	..	--	..	..	19,139	19,242
	<i>Union Territories :</i>								
	(a) Delhi . . . . .	..	..	6,030	6,352	..	..	6,030	6,352
	(b) Rest	1,663	1,449	64	--	..	..	1,727	1,449
		2,73,531	3,14,091	12,189	₹ 12,717	29,698	31,002	3,15,418	3,57,810

*Includes Renusagar (Non Utility Company).

TABLE II
Public Electricity Supply Industry—Consolidated Annual Accounts for the year ended 31st March, 1972

CAPITAL ACCOUNT

(Figures in Rs.lakhs)

1970-71	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total	1970-71	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8		10	11	12
	1. To Generation assets :						1. By Capital Raised :				
	(a) Steam Power stations						(a) Invested by States:				
	(i) Land . . .	398	5	124	527	G—312712	(i) Govt. Undertakings.	3,53,569	..	..	3,53,569
	(ii) Buildings . . .	7,473	83	1,062	8,618	M—9868	(ii) Municipal Undertakings.	..	10,422	..	10,422
	(iii) Boilers, Turbine Generating etc.	55,173	2,556	8,257	65,986	3,22,580	Group Total—	3,53,569	10,422	..	3,63,991
	(iv) Other Equipments	3,755	..	371	4,126		(b) Invested by Private Sector:				
	Group Total :	66,799	2,644	9,814	79,257	Companies—	(i) Ordinary Share Capital.	..	..	4,585	4,585
G—55586 M— 2632 C— 9709						0—4517	(ii) Preference Share Capital.	..	..	975	975
67927	(b) Oil Power Stations :					P—981	(iii) Debentures	..	..	3,291	3,291
	(i) Land . . .	136	1	3	140	D—3192	(iv) Other Secured Loan Capital.	..	..	3,110	3,110
	(ii) Buildings . . .	403	15	16	434	SL—2962					
	(iii) Engines Generators etc.	2,517	185	76	2,778	G—341 M—184 C—226	2. By Capital Reserve.	836	185	243	1,264
	(iv) Other Equipments	258	..	..	258						
G—3222 M— 202 C— 137											
3561	Group Total :	3,314	201	95	3,10	751					

TABLE II—Contd.

(Figures in Rs. lakhs)

1	2	3	4	5	6	7	8	9	10	11	12
G—12561 M— 647 C— 1152	(iv) Transportation and communication.	2,566	68	250	2,884						
14360											
	Group Total . . .	14,481	676	1,208	16,365						
G— 818 M— 1 C— 735	5. To Intangible Assets	1,876	1	680	2,557						
1554 M— 2127	6. To Special Items (Tramways in the case of Bombay).	..	2,076	..	2,076						
G—273531 M— 12189 C— 29698	Total Carried over to General Balance Sheet . . .	3,14,091	1,27,17	31,002	3,57,810	G—318314 M— 10588 C— 13877		3,60,342	11,201	14,370	3,85,913
315418						342779					

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

TABLE III
Revenue Account—1971-72

(Figures in Rs. lakhs)

1970-71	Particulars	Govt. Depts./Boards/Power Corporations	Municipalities	Companies	Total	1970-71	Particulars	Govt. Depts./Boards/Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	<i>To Operating Expenses</i>						<i>By Operating Revenues</i>				
	<i>1. Generation</i>						<i>1. Sales of Electricity</i>				
G— 6805 M— 497 C— 2476 9778	(a) (i) Coal	7,595	491	2,887	10,973	G—5625 M—1234 C— 2367 9226	(i) Domestic & Residential.	6,508	1,282	2,347	10,137
G— 138 M— 15 C— 13 165	(ii) Oil	203	13	12	228	G— 3402 M— 1071 C— 1088 5561	(ii) Commercial	3,869	1,185	1,122	6,176
G— 258 M— 5 C— 46 309	(iii) Consumable Stores	307	7	45	359	G—19117 M— 1201 C— 7571 27,889	(iii) Industrial	22,219	1,257	8,364	31,840
G— 1869 M— 66 C— 334 2269	(b) Salaries and Wages .	2,237	64	367	2,668	G— 804 M— 82 C— 171 1057	(iv) Public Lighting	948	73	178	1,199
G— 1625 M— 25 C— 513 2163	(c) Repairs & Maintenance.	2,239	21	537	2,797	G— 783 M— 166 C— 266 1215	(v) Public Water Works and Sewage Pumping	594	181	282	1,057
G— 7156 M— 1614 C— 5235 14005	(d) Purchase of Energy .	6,043	1,730	5,451	13,224						

TABLE III—Contd.

1	2	3	4	5	6	7	8	9	10	11	12
	<i>2. Transmission</i>										
G— 512 M— 5 C— 66 <hr/> 583	(a) Salaries and Wages	561	7	74	642	G— 6208 M— 17 C— 87 <hr/> 6312	(vi) Irrigation	7,067	16	101	7,184
G— 382 M— .. C— 37 <hr/> 419	(b) Repairs and Maintenance.	491	..	41	532	G— 1132 M— 2 C— 282 <hr/> 1416	(vii) Traction	1,313	1	293	1,607
	<i>3. Distribution</i>										
G— 2854 M— 304 C— 494 <hr/> 3652	(a) Salaries and Wages	3,446	342	554	4,342	G— 8689 M— 517 C— 1861 <hr/> 11067	(viii) Supplies in Bulk to Distributing Licensees	8,740	476	2,110	11,326
G— 2045 M— 100 C— 341 <hr/> 2486	(b) Repairs and Maintenance.	2,495	104	379	2,978	G— 649 M— 89 C— 172 <hr/> 910	2. Meter and other Rentals.	720	89	174	983
G— 233 M— 41 C— 100 <hr/> 374	(c) Public Lighting (Attendance, repairs and renewals)	284	50	115	449	G— 222 M— 3 C— 9 <hr/> 234	3. Service connection fees	302	3	9	314
	<i>4. Consumer Servicing, (Billing, Accounting, etc.)</i>										
G— 348 M— 12 C— 54 <hr/> 414	(a) Salaries & Wages	338	13	59	410	G— 44 M— 96 C— 26 <hr/> 166	4. Public Lighting Maintenance.	62	105	25	192

G— 657 M— 169 C— 325	(b) Other Expenses	806	177	361	1,344	G— 10875 M— 254 C— 222	5. <i>Miscellaneous Receipts.</i>	4,062	314	322	4,698
1151						11351					
	<i>5. General Establishment Charges.</i>										
G— 2379 M— 72 C— 290	(a) Salaries and Wages	3,228	109	304	3,641						
2741											
G— 2483 M— 239 C— 853	(b) Other expenses (including Provident Fund etc.)	2,928	257	915	4,100						
3575											
	<i>6. Management Expenses</i>										
C— 15	(a) Directors fee and expenses.	..	..	16	16						
C— 25	(b) Managing Agents Ordinary Remuneration and Office Allowances.	..	..	25	25						
	<i>7. Administration</i>										
M— 62	Members Remuneration and other expenses (L.A.)	..	73	..	73						
G— 8125 M— 283 C— 887	8. <i>Depreciation</i>	9,615	318	909	10,842						
9295											
G—37868 M— 3509 C—12104	Total Generating Expenses.	42,816	3,776	13,051	59,643						
53481											
G—19682 M— 1223 C— 2018	To Balance Carried over to N.R. & A. Account.	13,588	1,206	2,276	17,070						
22923											

TABLE III—*Concl.*

1	2	3	4	5	6	7	8	9	10	11	12
G—57550 M— 4732 C—14122 <hr/> 76404	Total	56,404	4,982	15,327	76,713	G— 57550 M— 4732 C— 14122 <hr/> 76404		56,404	4,982	15,327	76,713

TABLE IV

Net Revenue and Appropriation Account—1971-72

(Figures in Rs. lakhs)

1970-71	Particulars	Govt. Deptts./ Boards/ Power Corps.	Municipalities	Companies	Total	1970-71	Particulars	Govt. Deptts./ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	To appropriation (Applicable to local authority licensee only)					G— 19682 M— 1223 C— 2018	By Balance Brought forward from Revenue accounts.	13,588	1,206	2,276	17,070
						22923					
M— 80	(a) Interest on Loan Capital.	..	79	..	79	G— 311 M— 25	By interest on Securities and investment.	233	35	63	331
M— 30	(b) Instalment of redemption of loan capital.	..	27	..	27	C— 55					
						391					
M— 228	(c) General Rates	..	225	..	225		By deficit on incidental business (Tramways & Omnibuses of Bombay Municipality)		(—)86	..	(—)86
C— 432	To taxes on income and profits.	..	..	617	617	M—(—)122					
G— 70 M— 1 C— 93	To instalment of write down in respect of intangible assets.	76	4	107	187	M— 184	By Balance of Profit brought forward from previous year.	..	191	..	191
164											
M— 15 C— 95	To contribution towards contingencies reserve.	..	42	115	157	G— 7940 C— 114	By Balance carried over to General Balance Sheet.	7,982	..	74	8,056
110						8054					
G— 58 M— .. C— 49	To Development Reserve	70	..	79	149						
107											
C— 29	To appropriations to Tariff and Dividends Control Reserve.	..	..	45	45						

TABLE IV—Contd.

(Figures in Rs. lakhs)

1	2	3	4	5	6	7	8	9	10	11	12
M— 24 C— 28 52	To Appropriations to Consumers rebate reserve.	..	22	45	67						
C— 35	To special appropriations permitted by State Government.	..	..	22	22						
G— 1065 M— 319 C— 195 1579	To Other Appropriation	1,308	259	144	1,711						
	To appropriation towards interest paid and accrued and dividends paid and payable										
C— 246	(a) Interest on debentures	..	..	254	254						
G—12670 M— 359 C— 158 13187	(b) Interest on other Secured Loans.	12,489	407	158	13,054						
G— 76 M— 15 C— 37 128	(c) Interest on consumers Security Deposits.	135	18	39	192						
G— 286 M— 43 C— 149 478	(d) Interest on unsecured loans advances, deposits, bank overdraft etc.	820	48	155	1,023						
C— 77	(e) Dividends on Preference Share Capital	..	..	73	73						
C— 427	(f) Dividends on Ordinary Share Capital	..	..	453	453						

G—13708 C— 137	To Balance of loss brought forward.	6,905	..	107	7,012					
13,845										
M— 196	To Balance carried over to General Balance sheet.	..	215	..	215					
G—27933 M— 1310 C— 2187		21,803	1,346	24,13	25,562	G— 27933 M— 1310 C— 2187	21,803	1,346	2,413	25,562
31,430						31,430				

TABLE V

General Balance Sheet as on 31st March, 1972

(Figures in Rs. lakhs)

1970-71	Particulars	Govt. Deptts./ Boards/ Power Corporations	Municipalities	Companies	Total	1970-71	Particulars	Govt. Deptts./ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
3,42,779	Fixed Capital raised and appropriated as per the Capital Account.	3,60,342	11,201	14,370	3,85,913	3,15,418	Capital Expenditure on works as per the Capital Account.	3,14,091	12,717	31,002	3,57,810
3,159	Capital Redemption Sinking Fund and other Reserves.	1,758	1,229	118	3,105	59,356	Less Accumulated provision for Depreciation.	55,288	4,158	10,812	70,258
	RESERVES AND SURPLUS:					2,56,062	NET BLOCK	2,58,803	8,559	20,190	2,87,552
13,684	Non-Statutory Reserve	11,139	1,060	3,253	15,452	728	Balance of written down-cost of obsolete and inadequate assets.	597	5	37	639
63	Special appropriation (as permitted by State Govt.)	..	..	77	77	90,694	CURRENT ASSETS:				
							Capital Works in progress	1,02,211	3,074	839	1,06,124
811	Contingencies Reserve Fund.	5	148	800	953		Stores and Materials in Hand.				
443	Tariffs and Dividends Control Reserve.	148	148	191	487	2,651	(a) Fuel, Coal and/or Oil at cost.	1,107	70	90	1,267
372	Consumers Rebate Reserve.	1	202	201	404	26,351	(b) General Stores at a below cost.	27,796	1,475	1,674	30,945
1,597	Development Reserve	651	7	1,302	1,960	13,304	Sundry debtors for Electricity supplied.	11,552	1,580	2,353	15,485
196	Balance of net revenue and appropriation account.	..	215	..	215	19,879	Other debtors	21,700	861	834	23,395
						14,990	Accounts receivable	17,419	377	168	17,964
	CURRENT LIABILITIES AND PROVISIONS:						Investment in Statutory Securities at cost:				

20,544	Creditors on open account.	18,373	955	2,314	21,642	658	(a) Contingencies Reserve Fund Investment (Market value on closing date).	..	7	703	710
9,980	Consumers Security Deposit.	11,318	1,048	1,503	13,869						
41,843	Accounts Payable	38,993	2,381	2,015	43,389	6,177	(b) Other Investment (Market value on closing date).	4,439	1,806	214	6,459
611	Balance due on construction of plant and machinery.	893	..	59	952		Special Deposits :				
						217	(a) In respect of taxation	..	..	356	356
14,437	Temporary accommodations Bank overdrafts and other finances.	20,540	223	1,849	22,612	2,301	(b) Other	2,170	20	30	2,220
							Balance at Bank :				
						4,007	(a) Deposit Account	2,326	622	137	3,085
						3,406	(b) Current Account and at Call.	3,752	292	285	4,329
						922	Cash in hand	2,167	69	62	2,298
							DEBIT BALANCES :				
						118	Deferred payments	140	..	6	146
						8,054	Debit Balance of net revenue and appropriation accounts.	7,982	..	74	8,056
4,40,519	TOTAL	4,64,161	18,817	28,052	5,11,030	4,50,519	TOTAL	4,64,161	18,817	28,052	5,11,030

TABLE VI
Average Price of Electricity

Sl. No.	Category of Sale	kWh sold in 1971-72 (Million)	Revenue Realised in Rupees (Lakhs)	Revenue Realised per kWh sold (Paise)
1	2	3	4	5
1	Domestic Lights, Heating and small Power	4,095	10,137	24.75
2	Commercial Lights, Heating and small Power	2,458	6,176	25.13
3	Industrial Low, Medium & High Voltage	32,136	31,840	9.91
4	Public Lighting	484	1,199	24.77
5	Traction	1,400	1,607	11.48
6	Agricultural	4,985	7,184	14.41
7	Public Water Works and Sewage Pumping	1,145	1,057	9.23
	TOTAL	46,703	59,200	12.68
8	Miscellaneous . . . . .	..	6,518	..
9	All purposes	46,703	65,718	14.07

NOTE:—About 360 Million kWh sales have been excluded corresponding to those few Electrical Undertakings from whom financial data have not been received.

TABLE VII

Some Important Financial Features for the Years 1969-70 to 1971-72

Sl. No.	Particulars	Units	1970	1971	1972
1	2	3	4	5	6
1	Installed Plant Capacity	kW	12,383,814	12,904,420	13,398,570
2	Average Cost per kW Installed	Rs.	2,303	2,444	2,670
	(i) Generation . . . . .		..	..	1,029
	(ii) Transmission . . . . .		..	..	464
	(iii) Distribution . . . . .		..	..	1,020
	(iv) Miscellaneous . . . . .		..	..	157
3	Number of Consumers	No.	12,990,207	14,465,172	16,173,068
4	Average Capital Outlay per Consumer	Rs.	2,196	2,100	2,212
5	Maximum Demand	kW	10,172,916	10,698,230	11,509,330
6	Average Capital Outlay on Transmission, Distribution, Miscellaneous per kW of Maximum Demand.	Rs.	1,625	1,760	1,892

Note:—About 1,855,800 kW, 1,823,760 kW and 104,841—Installed Plant Capacity Maximum Demand and Consumers have been excluded corresponding to those few Electrical Undertakings from where data have not been received during the presenting year of account.

TABLE VIII

Consolidated Capital Outlay by Ownership for the Year 1967-68 to 1971-72

Particulars	1968		1969		1970		1971		1972	
	Outlay (Rs. lakhs)	Percen- tage of total	Outlay (Rs. lakhs)	Percen- tage of total	Outlay (Rs. lakhs)	Percen- tage of total	Outlay (Rs. lakhs)	Percen- tage of total	Outlay (Rs. lakhs)	Percen- tage of total
Public Sector	203,988	89	236,863	90	256,500	90	285,720	91	326,808	91
Private Sector	26,119	11	27,491	10	28,745	10	29,698	9	31,002	9
TOTAL	230,107	100	264,354	100	285,245	100	315,418	100	357,810	100

TABLE IX

Consolidated Capital Outlay of Electricity Supply Undertakings for the Year 1967-68 to 1971-72

Particulars	Units	1968	1969	1970	1971	1972
On Electrical Works	Rs. lakhs	228,284	262,383	283,067	313,291	355,734
Non-Electrical Works like Tramways and Omnibus.	Rs. lakhs	1,823	1,971	2,178	2,127	2,076
TOTAL .		230,107	264,354	285,245	315,418	357,810

APPENDIX

ADDRESSES OF PUBLIC ELECTRICITY SUPPLY
UNDERTAKINGS AS ON 31-3-73

STATES

1. ANDHRA PRADESH

Board

1. Chairman,
Andhra Pradesh State Elec. Board,
Vidyut Soudha,
Hyderabad-4 (A.P.).

Govt. Departments

2. Machkund Project Assistant Engineer, Generation, Machkund Power House,
P.O. Onukudelli, Distt. Koraput, Orissa.
3. T.B. Dam Superintending Engineer, T.B. Hydrel Scheme, T.B. Dam (Post
via Hospet, Bellary Karnataka).

Companies

4. Siricilla Divisional Electrical Engineer, The Co-operative Electric Supply
Society Ltd., Siricilla, Distt. Kareemnagar, A.P.

2. ASSAM

Board

1. Chairman,
Assam State Elec. Board,
Shillong-3.

Companies

2. Shillong The Shillong Hydro Electric Ltd., 135, Prinsep Street, Calcutta-13

3. BIHAR

Board

1. Chairman,
Bihar State Elec. Board,
Patna, Bihar.

Govt. Departments

2. Kosi Resident Engineer, Kosi Hydrel Power Station, Bispur, Saharsa,
Bihar.

Companies

3. Bhagalpur The Bhagalpur Electric Supply Co., Bhagalpur (Bihar).
4. Darbhanga (Lehri-Sarai) Darbhanga Laherisarai Electric Supply Corporation Ltd., Panda
Sarai Road, Darbhanga (Bihar).
5. Muzaffarpore The Muzaffarpore Electric Supply Co. Ltd., Post Bag No. 51,
14, Old Court House Street, Calcutta-1.
6. Ranchi The Ranchi Electric Supply Co. Ltd., Main Road, Ranchi, Bihar.
7. Chaibasa The Chaibasa Electric Supply Co., Chaibasa, Bihar.
8. Chirakunda The Chirakunda Electricity Supply Co., P.O. Barakar, Distt.
Burdwan.
9. Sijua (Jherriah) The Sijua (Jherriah) Electric Supply Co. Ltd., P.O. Bansjora
(Distt. Dhanbad), Bihar.
10. Jugsalai The Jugsalai Electric Supply Co., Jugsalai (Tatanagar) S.E. Railway,
Bihar.
11. Patna The Patna Electric Supply Co., Mangles Road, Patna-15, (Bihar.)

4. GUJARAT

Board

1. The Chairman,
Gujarat Elec. Board,
Race Course, Vidyut Bhavan,
Baroda-7.

Municipalities

2. Baroda The Electrical Engineer, Department of Electricity, Baroda Municipality, Post Box No. 17, Baroda-1.
3. Patan The Electrical Engineer, Patan Municipality, Power House, Patna (Gujarat).
4. Jhalod The Jhalod Gram Panchayat, Jhalod, Distt. Panchmahal.
5. Karjan The Resident Engineer, Karjan Municipality, Karjan.
6. Nargram The Electrical Engineer, Nar Gram, Panchayat, Nar (Via Anand).
7. Palanpur (Iqbal) The Electrical Engineer, The Iqbal Electric Supply, Municipal Power House, Palanpur.
8. Petlad The Electrical Engineer, Petlad Municipality, Petlad.
9. Sojitra The Resident, Sojitra Nagar, Panchyat, Sojitra.
10. Vadnagar The Chief Engineer, Electricity Deptt., Vadnagar Municipality.

Companies

11. Ahmedabad The Ahmedabad Electricity Co. Ltd., Electricity House, Lal Darwaja, Ahmedabad-1.
12. Anand The Anand Electric Supply Co. Ltd., Power House Station Road, Anand.
13. Bulsar The Amalgamated Electricity Co. Ltd., (Bulsar Branch) Box No. 879, 17-B, Horniman Circle, Fort Bombay-1.
14. Bhavnagar The Bhavnagar Electricity Co. Ltd., P.O. Box No. 45, Bhavnagar.
15. Dabhoi The Dabhoi Electric Supply Co., Dabhoi, Distt. Baroda.
16. Bilimora The Bilimora Electric Power Co. Ltd., Bilimora.
17. Dakor Umreth The Dakor Umreth Electricity Co. Ltd., Dakor.
18. Dohad The Amalgamated Electricity Co. Ltd., (Dohad Branch), P.O. Box No. 879, 17-B, Horniman Circle, Bombay-1.
19. Godhra The Godhra Electricity Co. Ltd., Power House, Godhra.
20. Kapadwanj The Kapadwanj Town Co-operative Electrical Association Ltd., Sardar Baug, Kapadwanj.
21. Kodinar Kodinar Rural Electricity Co-operative Society Ltd., Kodinar.
22. Lunawada Lunawada Electric Supply Co-operative Society, Ltd., Lunawada.
23. Nadiad The Nadiad Electric Supply Co. Ltd., Sonawala Building, First Floor, 65, Appolo Street, Bombay-1.
24. Rander The Rander Electric Supply Co. Ltd., Lal Baug, Rander, District Surat.
25. Sihor The Sihor Electric Works Ltd., Sihor, Distt. Bhavnagar.
26. Surat The Surat Electricity Co. Ltd., Central Administration Department, P.B. No. 20, Tilak Maidan, Surat.
27. Vallabh Vidyanagar M/s. Charotar Gramodhar, Sahakari Mandal Ltd., Vallabh Vidyanagar.
28. Viramgam The Viramgam Electric Supply Co. Ltd., Mandal Road, Viramgam.
29. Vyara-Kanpur The Vyara-Kanpur Electric Supply Co-operative Society Ltd., Vyara, Distt. Surat.

5. HARYANA

Board

1. The Chairman,
Haryana State Elec. Board,
3, Boys Building Sector 17-D,
Chandigarh.

6. HIMACHAL PRADESH

Board

1. Chairman,
Himachal Pradesh State Elec. Board,
Kennedy Cottage,
Simla-4.

Municipality

2. Simla Chief Electrical Engineer, Simla Municipal Corporation
Electricity Supply, Simla.

7. JAMMU & KASHMIR

- Commissioner & Secy.,
Govt. of Jammu & Kashmir,
Power Development Department,
Srinagar/Jammu,
Jammu & Kashmir.

8. KERALA

Board

1. Chairman,
Kerala State Elec. Board,
Post Box No. 48, Trivendrum.

Municipality

2. Trichur The Commissioner, Trichur Municipality, Trichur, Kerala.

Companies

3. Kottayam The Kottayam Electric Supply Agency, Kottayam, South India,
Kerala.
4. Mattencherry The Cochin Electric Co. Pvt. Ltd., Jew Town, Mattancherry,
Cochin-2, Kerala.

9. MADHYA PRADESH

Board

1. Chairman,
Madhya Pradesh Elec. Board,
Post Box No. 34, Rampur,
Jabalpur.

Companies

2. Dewas (Senior) The Dewas (Senior) Electric Supply Co. Pvt. Ltd., Dewas Senior.
3. Jubbulpore The Jubbulpore Electric Supply Co. Ltd., Jubbulpore.
4. Mandsaur The Mandsaur Electric Supply Co. Ltd., Mandsaur.
5. Saugor The Saugor Electric Supply Co. Ltd., Saugor.
6. Sehore The Sehore Electric Supply Co. Pvt. Ltd., Sehore Cantt.

10. MAHARASHTRA

Board

1. Chairman,
Maharashtra State Elec. Board,
Mercantile Bank Building,
3rd Floor, Mahatma Gandhi Road,
Bombay-400023.

Govt. Deptt.

2. Chola The General Manager Electrical Central Railway, Headquarter
office Electrical Branch, Parcel Office Building, 2nd Floor,
Bomba VT.
3. Tarapur Deptt. of Atomic Energy, Chatrapati Shivaji Maharaj Marg,
Tarapur, Bombay-400001.

Municipalities

4. B.E.S.T. The Bombay Electric Supply and Transport Undertaking (Municipal
Corporation) B.E.S.T., House, P.B. No. 192, Bombay-1.
5. Karjat Office of the Group Village Panchayat, Distt. Kolaba (Maharashtra).
6. Raver The Electrical Engineer, Raver Municipal Power House, Raver,
Maharashtra.

Companies—contd.

- | | | |
|-----------------------|---------|--|
| 7. Sangli | • • • • | • The Jubille Electric Works, (Sangli Nagarpalika Trust Property) Electric Power House, Sangli, Maharashtra. |
| 8. Sawantwadi | • • • • | • Sawantwadi Municipal Council, Electricity Supply Branch, Sawantwadi, Maharashtra. |
| 9. Bassein | • • • • | • The Bassein Electric Supply Co. Ltd., 26, Bakehouse Lane, Fort, Bombay-400001. |
| 10. Bhiwandi | • • • • | • The Amalgamated Electricity Co. Ltd., Post Box No. 52, Agra Road, Bhiwandi, Distt. Thana. |
| 11. Bhusawal | • • • • | • The Bhusawal Electrical Co. Ltd., Post Box No. 17, Varangaon Road, Bhusawal, Maharashtra. |
| 12. Bhore | • • • • | • The Bhore Electric Supply Co. Pvt. Ltd., Bhore, Maharashtra. |
| 13. Bombay Suburban | • • • • | • The Bombay Suburban Electric Supply Co. Ltd., Post Bag 6808, Electricity House, Santa Cruz (East) Bombay-400055. |
| 14. Chalisgaon | • • • • | • The Chalisgaon Electricity Co. Ltd., P.B. No. 4, Outram Ghat Road, Chalisgaon (Distt. Jalgaon). |
| 15. Ichalkaranji | • • • • | • The Ichalkaranji Electric Supply Co., Ichalkaranji (Distt. Kolhapur), Maharashtra. |
| 16. Jalgaon | • • • • | • The Amalgamated Electricity Co. Ltd., Post Box No. 34, Dhulia Bhusawal Road, Jilla Peth, Jalgaon, Maharashtra. |
| 17. Junnar | • • • • | • The Junnar Electric & Water Supply Co. Ltd., Electric Power House, Junnar Distt. Poona, (Maharashtra). |
| 18. Kurundwad | • • • • | • The Kurundwad Electric Supply Co. Ltd., Kurundwad (Distt. Kolhapur) Rly. Station, Jaysingpur, Maharashtra. |
| 19. Karmala | • • • • | • The Karmala Electric Supply Co., Karmala, Distt. Sholapur, Maharashtra. |
| 20. Lonavada-Khandala | • • • • | • The Lonavada-Khandala Electric Supply Co. Ltd., 26, Bakehouse Lane, Fort, Bombay-1. |
| 21. Lasalgaon | • • • • | • The Lasalgaon Co-operative Electric Supply Society Ltd., Lasalgaon, Distt. Nasik, Maharashtra. |
| 22. Mahad | • • • • | • The Mahad Electric Supply Co. Ltd., Balaji Road, Power House Mahad, Distt. Kolaba. |
| 23. Malegaon | • • • • | • The Malegaon Electricity Co. Ltd., P.B. No. 52, Malegaon Distt. Nasik, Agra Road, Maharashtra. |
| 24. Matheran | • • • • | • The Matheran Electric Supply Co. Ltd., Mehta House, Apollo Street, Fort, Bombay. |
| 25. Miraj | • • • • | • The Miraj Electric Supply Co. Ltd., Post Box No. 19, Miraj (Distt. Sangli), Maharashtra. |
| 26. Nasarapur | • • • • | • The Nasarapur Electric Supply Co. Ltd., Prop. N.S. Chakke, 649, Shahwas Path, Poona-2. |
| 27. Pandharpur | • • • • | • The Pandharpur Electric Supply Co., Station Road, Pandharpur, Distt. Solapur, Maharashtra. |
| 28. Panvel-Taluka | • • • • | • The Panvel-Taluka Electric Development Co. Ltd., Bardhawan Sadan, Tilak Road, Panvel, Maharashtra. |
| 29. Sailu | • • • • | • The Proprietor, Sailu Electric Supply Co. Ltd., Sailu (Central Railway), Distt. Parbhani, Maharashtra. |
| 30. Satara | • • • • | • The Satara Electric Supply Co. Pvt. Ltd., 217, Paratapanagar Path, Satara City, Maharashtra. |
| 31. Tata Hydro | • • • • | • The Tata Hydro Electric Agencies Ltd., Tata Vidyut Karyalaya, Murzban Road, Bombay-400001. |
| 32. Tasgaon | • • • • | • The Tasgaon Electricity General Co-operative Society Ltd., Tasgaon, Distt. Sangli, Maharashtra. |
| 33. Thana | • • • • | • The Thana Electric Supply Co. Pvt. Ltd., Asian Building, 1st Floor, 17, Nicol Road, Ballard Estate, Bombay-1. |
| 34. Vita | • • • • | • The Co-operative Elec. Supply Society Ltd., Vita, (South Satara) Distt. Sangli, Maharashtra. |

11. MANIPUR

Govt. Deptt.

1. Manipur • • • • • The Superintending Engineer, Deptt. of Electricity, Govt. of Manipur, Imphal.

12. KARNATAKA

Board

1. Chairman,
Karnataka State Electricity Board,
Post Bag No. 5324, Bangalore-1.

Companies

2. Belgaum • • • • • The Resident Engineer, Amalgamated Electricity Co. (Belgaum Branch), P.B. No. 26, Opp. Railway Station, Belgaum, Karnataka.
3. Byadgi • • • • • M/s. Manvi Brothers, Electric Light & Power Suppliers, P.B. No. 36, Cotton Market, Gadag, Distt. Dharwar, Karnataka.
4. Gadag • • • • • M/s. Manvi Brothers, Electric Light & Power Suppliers, P.B. No. 36, Cotton Market, Gadag, Distt. Dharwar, Karnataka.
5. Karwar • • • • • The Karwar Electric Supply & Trading Co. Ltd., Power House Karwar, Distt. North Kanara, Karnataka.
6. Nipani • • • • • The Nipani Electricity Co. Pvt. Ltd., Dharwar, Nipani, Distt. Belgaum, Karnataka.
7. Ranebenur • • • • • M/s. Manvi Brothers Electric Light & Power Suppliers, P.B. No. 36, Cotton Market, Ranebenur, Karnataka.
8. Sirsa • • • • • The Kanara Electric Supply Co. Ltd., Sirsa, (North Kanara), P.B. No. 50, Distt. North Kanara, Karnataka.
9. Hukkeri Taluka • • • • • The Hukkeri Taluka Co-operative Rural Electricity Ltd., Hukkeri (Belgaum Distt.), Karnataka.

13. NAGALAND

Govt. Deptt.

1. Kohima • • • • • Chief Engineer, Electrical Department, Govt. of Nagaland, Kohima, Nagaland.

14. ORISSA

Board

1. The Commercial Officer,
Orissa State Electricity Board,
Bhubneswar.

15. PUNJAB

Board

1. Bhakra Management Board • • • • • The Chairman, Bhakra Management Board, Chandigarh

Punjab Board

2. Chairman,
Punjab State Electricity Board,
Patiala, Punjab.

Municipalities

3. Amritsar • • • • • The Executive Engineer, Amritsar, Municipal Power House, Amritsar.

Companies

4. Malerkotla • • • • • The Malerkotla Power Supply Co., Malerkotla.

16. RAJASTHAN

Board

1. Chairman,
Rajasthan State Electricity Board,
New Hotel Building, Jaipur,
Rajasthan.

Govt. Deptt.

2. Rajasthan Atomic Power Project The Engineer, S. F. Department of Atomic Energy, Chhatrapati Shivaji Maharaj Marg, Bombay-400039.

Municipality

3. Mertacity Chairman, Mertacity Board, Mertacity, Rajasthan.

Companies

4. Mount Abu The Mount Abu Electric Supply Co., Mount Abu, Rajasthan.
5. Abu Road The Abu Road Electric Supply Co. Ltd., Abu Road, Rajasthan.
6. Udaipur The Maharana Bhopal Electric Co. Ltd., Near Sajjan Niwas Garden, Udaipur, Rajasthan.

17. TAMIL NADU

Board

1. Chairman,
Tamil Nadu Electricity Board,
Anna Salai, Madras-600002,
Tamil Nadu.

Govt. Undertaking

2. Neyveli Chairman-cum-managing Director, Neyveli Lignite Corporation Ltd., (A Govt. of India Undertaking), Neyveli-1 (South Arcot Distt.), Tamil Nadu.

Municipalities

3. Coimbatore The Commissioner, Coimbatore Municipality, Coimbatore, Tamil Nadu.
4. Karur The Commissioner, Karur Municipality, Karur, Distt. Trichirapally, Tamil Nadu.
5. Madurai The Commissioner, Madurai Municipality, Madurai, Tamil Nadu.
6. Pollachi Pollachi Municipal Electrical Undertaking, Municipal Electrical Engineer, Pollachi, Tamil Nadu.
7. Thanjavur The Commissioner, Thanjavur Municipality, Thanjavur-613001, Tamil Nadu.

Companies

8. Kumbakonam The Kumbakonam Electric Supply Corporation Ltd., Oriental Buildings, Armenian Street, Madras-1, Tamil Nadu.
9. Nagapatnam The Nagapatnam Electric Supply Co. Ltd., Oriental Buildings, Armenian Street, Madras-1, Tamil Nadu.
10. Salem-Erode The Salem-Erode Electricity Distribution Co., P.B. No. 91, Salem-1.
11. Shencottah The Shencottah Electric Supply Agency, Shencottah, Tamil Nadu.
12. Tirunelveli-Tuticorin The Tirunelveli-Tuticorin Electric Supply Co. Ltd., P.B. No. 54, Tirunelveli, Tamil Nadu.
13. Trichurapalli The South Madras Electric Supply Corpn., P.B. No. 607 (Trichurapalli Branch), Trichurapalli, Tamil Nadu.
14. Vellore The Vellore Electric Corporation Ltd., 20, Second Line Beach, P.B. 166, Madras-1, Tamil Nadu.

18. UTTAR PRADESH

Board

1. Chairman,
U.P. State Electricity Board,
P.B. No. 202, 14, Ashok Marg,
Lucknow, U.P.

Municipalities

2. Almora The Electrical & Water Works Engineer, Municipal Board, Almora, U.P.
3. Haldwani The Electrical & Municipal Engineer, Municipal Board, Haldwani-cum-Kathgodam, Haldwani, U.P.
4. Hardwar The Electrical & Water Works Engineer, Municipal Board, Hardwar Union, Hardwar, U.P.
5. Khurja The Resident Engineer, Municipal Electric Supply, Municipal Board, Khurja, Distt. Bulandshar-U.P.
6. Lalitpur The Municipal Electric Supply Undertaking, Lalitpur, Distt. Jhansi, U.P.
7. Meerut The Electrical Engineer, Municipal Board, Meerut, U.P.
8. Muzaffarnagar The Electrical Engineer, Municipal Board, Muzaffarnagar, U.P.
9. Mussoorie The President, Mussoorie, Dehradun-Hydro Electric Undertaking, City Board, Mussoorie, U.P.
10. Nainital The Electrical & Mechanical Engineer, Municipal Board, Nainital, U.P.
11. Roorkee The President, Municipal Board, Roorkee, U.P.
12. Rishikesh The President, Municipal Board, Rishikesh, Distt. Dehradun, U.P.
13. Unnao The Electrical & Water Works Engineer, Municipal Board, Unnao, U.P.

Companies

14. Aligarh The Aligarh Electric Supply Co. Ltd., Udai Singh Jain Road, Mathura, U.P.
15. Agra The Resident Engineer, The Agra Electric Supply Co. Ltd., P.B. No. 36, Agra, U.P.
16. Banaras The Banaras Electrical Light & Power Co. Ltd., Bhelugura, Varanasi, U.P.
17. Bareilly The Resident Engineer, The Bareilly Electric Supply Co. Ltd, Bareilly, U.P.
18. Badaun The Kishore Electric Supply Corporation, Badaun, U.P.
19. Etawah The Western United Provinces Electric Power & Supply Co. Ltd., 1379, Sultan Singh Building, P.B. No. 1079, Kashmere Gate, Delhi-6.
20. Farrukhabad The Farrukhabad Electric Supply Co. Ltd., P. House, Fatehgarh, U.P.
21. Faizabad The Faizabad Electric Licensee, C/o The British Insulated Calender Cables Ltd., 116, Station Road, Faizabad.
22. Jaunpur The Jaunpur Electric Licensees, Yahirpur, Jaunpur, U.P.
23. Mathura The Resident Engineer, The Mathura Electric Supply Co. Ltd., Agra Mathura Road, Mathura, U.P.
24. Mirzapur The Resident Engineer, The Mirzapur Electric Supply Co. Ltd., Jabalpur Road, Mirzapur, U.P.
25. Pilibhit The Pilibhit Electric Supply Co. Pvt. Ltd., P. House, Pilibhit, U.P.
26. Rai Bareilly, Pratapgarh, Saharanpur, Bachrawan, Maharajganj, Salon & Jais The Commercial Officer, the Rohtak and Hissar Districts Electric Supply Co. Ltd., P.B. No. 28, 5, Prayag Street, Allahabad-2, U.P.
27. Sadabad The Sadabad Electric Supply Co., Sadabad, Distt. Mathura, U.P.

28. Shahjahanpur • The Shahjahanpur Electric Supply Co. Ltd., 8, Dalhousie Sq. East, Calcutta-1.
29. Lucknow • General Manager, The Co-operative Electric Supply Society Ltd., B-74, Nirala Nagar, Lucknow.

19. WEST BENGAL

Board

1. Chairman,
West Bengal State Electricity Board,
48/1, Diamond Harbour Road,
Calcutta-27, West Bengal.

Govt. Deptt.

2. Massanjore • The Assistant Engineer, Massanjore Hydel Power Station, P.O. Massanjore, Distt. Santhal Parganas, West Bengal.
3. Durgapur Projects Ltd. • Engineer-in-Charge, The Durgapur Projects Ltd., P.O. Durgapur-7, Distt. Burdwan, West Bengal.

Municipalities

4. Darjeeling • The Chairman, Darjeeling Municipality Electrical Department, Darjeeling, West Bengal.

Companies

5. Andul Mouri • The National Power Supply Corporation Ltd., (Andul Mouri Branch), 23-B Allenby Road, Calcutta-20.
6. Asansol • The Asansol Electric Supply Co. Ltd., Burnpur Road, Asansol, West Bengal.
7. Bansberia • The East India Electric Supply & Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta-7, West Bengal.
8. Barakar • The Barakar Electric Supply Co. Ltd., P.O. Bharakar, Distt. Burdwan, West Bengal.
9. Berhampur • The Berhampur Electric Supply Co. Ltd., Berhampur, P.O. Khagra, Distt. Mushidabad, West Bengal.
10. Bhatpara • The Riverside (Bhatpara) Electric Supply Co. Pvt. Ltd., 135, Princep Street, Calcutta-13.
11. Chandernagore • The Chandernagore Electric Supply Co. Pvt. Ltd., 20, Park Street, Calcutta-16.
12. Calcutta • The Calcutta Electric Supply Corporation Ltd., Poddar Court, 18, Rabindra Sarani, Calcutta-1, West Bengal.
13. Dishergarh • The Dishergarh Power Supply Co. Ltd., Central Office, Sanctoria, P.O. Dishergarh, Distt. Burdwan.
14. Hooghly Chinsura • The East India Electric Supply & Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta-7, West Bengal.
15. Jamuria • The Jamuria Electric Supply Co., Burnpur Road, Asansol, West Bengal.
16. Kalimpong • The Kalimpong Electric Supply Co. Ltd., 16, Ganesh Ch. Avenue, Calcutta-13.
17. Babadwip • The West Bengal Power Supply Co. Ltd., National Tobacco Building 1 & 2 Old Court House, Corner, Calcutta.
18. Purulia • The Purulia Electric Supply Co. Ltd., Barakar Road, Purulia, West Bengal.
19. Raneegunj • The Raneegunj Electric Supply Co. Ltd., 40-1, Mahatma Gandhi Road, Calcutta-9, West Bengal.
20. Seebpore • The Associated Power Co. Ltd., (Seebpore Power House), Central Office, Sanctoria, P.O. Dishergarh, Distt. Burdwan, West Bengal.

21. Vishnupur • The Vishnupur Electric Supply & Industrial Development Co. Ltd., 23-B Allenby Road, Calcutta-20.
- (a) DELHI
- Municipalities*
1. D.E.S.U. • The General Manager, Delhi Electric Supply Undertaking, Central Power House, Rajghat, P.O. Box No. 589, New Delhi.
2. N.D.M.C. • The Chief Electrical Engineer, New Delhi Municipal Committee, Vidyut Bhavan, Chanakyapuri, New Delhi.
- (b) ANDAMAN & NICOBAR ISLANDS
1. Port Blair • The Executive Engineer, (Electricity Deptt.), Andaman & Nicobar Islands, Port Blair.
- (c) GOA, DAMAN & DIU
1. Govt. Deptt. • The Chief Electrical Engineer, Govt. of Goa, Daman & Diu, Santa Ineg. P.O. Panji, Goa.
- Municipality*
2. Mormugoa • The President, Camara Municipal, DE MORMUGOA, Secretariat, Vascode-gama.
- Company*
3. Chowgule • Chowgule & Co. Ltd., Mechanical Ore Handling Division, Plant Office, Berth No. VII, Mormugoa Harbour (Goa).
- (d) DADRA NAGAR HAVELI
1. Govt. Deptt. • The Dy. Engineer, Ele. Sub-Division, P.W.D. Dadra & Nagar Haveli, Silvassa.
- (e) LACCADIVES MINICOY ISLANDS
1. Govt. Deptt. • Asstt. Ex. Eng. (Elec.) Electrical Division, Union Territory of Lacadweep, 1/58, Parade Road, Cochin-1.
- (f) PONDICHERRY
1. Pondicherry • The Director of Electricity, Electricity, Deptt., Pondicherry.
- (g) TRIPURA
1. Tripura • The Superintending Engineer, Govt. of Tripura, Electrical and Mech. Division, Agartala, Tripura.