



GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER
CENTRAL ELECTRICITY AUTHORITY

PUBLIC ELECTRICITY SUPPLY ALL INDIA STATISTICS 1971-72

GENERAL REVIEW

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

CONTENTS

PARA No.	DESCRIPTION	PAGE No.
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	1
2.3	Jointly-owned Projects	2
2.4	Generation, Maximum Demand and Load Factor	2
2.5	Addition to Generating Capacity	2
2.6	Plant Withdrawn	3
2.7	Authorised 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 for 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	5
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	7
2.12	Fuel Consumption	7
3.	Energy Utilization	7
3.1	Inter-State Transfer of Energy	7
3.2	Energy Sales	8
3.3	Electricity Consumption per Capita (Utilities plus Non-utilities)	8
3.4	Per Capita Installed Capacity (Utilities)	8
3.5	Progress of Electricity Supply Industry	9
4.	Transmission & Distribution	9
4.1	Transmission & Distribution Lines	9
4.2	Transformers	9
4.3	Consumer & Connected Load Data (Utilities)	10
4.4	Towns & Villages Electrified	10
5.	Power Generated & Used in Selected Industries (Excluding Railways)	10
6.	Railways	11
7.	Electrical Accidents	11
8.	Financial Data of Public Electricity Supply Undertakings, 1970-71	11
9.	Financing	12
10.	Revenue	12
11.	Revenue per kWh Sold under each Category	13
12.	Tentative Financial Results of the Govt. Departments, State Electricity, Municipalities, Companies etc., 1971-72	13

(iv)

TABLES

SECTION-J

TECHNICAL STATISTICS

TABLE No.	DESCRIPTION	PAGE No.
1	Salient Features of the Electricity Supply Industry	17
2	Installed Plant Capacity (as on 31-3-72) and Generation by Type of Plant and Ownership	20
3	Installed Plant Capacity and Generation by Ownership and Increase over Previous Year (Utilities)	21
4	Statewise Installed Capacity Generation and Number of Undertakings (Utilities) Sector-wise	22
5	Installed Plant Capacity (as on 31-7-72) Aggregate Maximum Demand and Energy Generated by Type of Plant	24
6	Statewise Gross Generation and Auxiliaries Consumption by type of Plant	26
7	Installed Hydro Plant Capacity and Gross Generation by Ownership (Utilities)	28
8	Statewise Installed Steam Plant Capacity and Gross Generation by Ownership (Utilities)	29
9	Statewise Installed Gas Turbine and Diesel Plant Capacity and Gross Generation by Ownership (Utilities)	30
10	Installed Capacity (as on 31-3-72) Maximum Demand and Generation of Atomic Power House	31
11	Shares of Participating States in Jointly-owned Power Stations	31
12	Statewise Aggregate Generation Maximum Demand by Ownership (MW)	32
13	Major Hydro Generating Units Commissioned during 1971-72	33
14	Steam and Gas Generating Units Commissioned during 1971-72	33
15	Boiler Commissioned during 1971-72	33
16	Acquisition of Electricity Supply Undertakings	34
17	Distribution of Licensee Undertakings into (1) Generation (2) Generating and Purchasing, (3) Purchasing and Distribution Statewise	34
18	Distribution of Municipal Undertakings	35
19	Classification of Undertakings (Utilities) Owning Generating Stations according to Ranges of Installed Capacity	36
20	Classification of Undertakings (Utilities) Owning Generating Stations according to Ranges of Generation	37
21	Classification of Undertakings Owning Generation Stations according to the Ranges of Generating Maximum Demand	38
22	Classification of Hydro Power Stations according to the Range of Installed Plant Capacity	39
23	Classification of Steam Power Stations according to the Range of Installed Plant Capacity	39
24	Distribution of Steam Power Stations according to Overall Thermal Efficiency	40
25	Classification of Gas Turbine Power Stations according to Range of Installed Plant Capacity	40
26	Plant Capacity and Generation by A.C. & D.C.	41
27	Analysis of Generating Sets according to Type of Prime Mover and Ownership	42
28	Classification of Hydro Power Plant according to the Size of the Sets	44
29	Classification of Steam Power Plant according to the Size of the Sets	44
30	Classification of Gas Turbine Power Plant according to the size of the Sets (Ownership-wise)	46
31	Classification of Generating Sets according to Voltage of Generation	46
32	Fuel Consumption	48
33	Utilisation of Electricity Generated, Purchased, Sold and Energy Losses—All India Utilities 1971-72	50
34	Statement showing Inter-State Transfer of Power (Region-wise) 1971-72	50
35	Statewise Energy Generation, Purchase, Utilisation and Wastage	53
36	Energy Generation, Purchase, Utilisation and Losses by the State Electricity Boards and D.E.S.U.	54
37	Energy Sales—1971-72 (Category-wise)	55
38	Statewise Energy Sales by Utilities to Ultimate Consumers 1971-72 (Million kWh)	57

(v)

TABLE No.	DESCRIPTION	PAGE No.
39	Energy Sales by the State Electricity Boards 1971-72	58
40	Energy Sales by Organisations other than Boards and Licensees and B.M.B. to ultimate Consumers 1971-72	59
41	Energy Sales by Private Sector—1971-72 Million (kWh)	60
42	Annual per Capita Consumption of Electricity (1971-72)	61
43	Installed Plant Capacity (as on 31-3-1972) and Energy Consumption (1971-72) (Utilities only) per Square Kilometre and per Thousand of Population	63
44	Progress of Electricity Supply—All India (Electric Utilities only)	65
45(1)	Progress of Electricity Supply—Andhra Pradesh	67
45(2)	Progress of Electricity Supply—Assam	68
45(3)	Progress of Electricity Supply—Bihar	69
45(4)	Progress of Electricity Supply—Gujarat	70
45(5)	Progress of Electricity Supply—Haryana	71
45(6)	Progress of Electricity Supply—Himachal Pradesh	72
45(7)	Progress of Electricity Supply—J. & K.	73
45(8)	Progress of Electricity Supply—Kerala	74
45(9)	Progress of Electricity Supply—Madhya Pradesh	75
45(10)	Progress of Electricity Supply—Maharashtra	76
45(11)	Progress of Electricity Supply—Mysore	77
45(12)	Progress of Electricity Supply—Nagaland	78
45(13)	Progress of Electricity Supply—Orissa	79
45(14)	Progress of Electricity Supply—Punjab	80
45(15)	Progress of Electricity Supply—Rajasthan	81
45(16)	Progress of Electricity Supply—Tamil Nadu	82
45(17)	Progress of Electricity Supply—Uttar Pradesh	83
45(18)	Progress of Electricity Supply—West Bengal	84
45(19)	Progress of Electricity Supply—D.V.C.	85
45(20)	Progress of Electricity Supply—Delhi	86
46	Index Number of Public Electricity Supply Utilities—All India	87
47	Length of Transmission and Distribution Lines of Utilities (as on 31-3-1972)	88
48	Length of Transmission Lines (33 kV and above) Commissioned during the Year 1971-72	90
49	Total Installed Transformers Capacity (Max. contd. Rating) Utilities as on 31-3-1972	92
50	Important Transformers Commissioned during the Year 1971-72	94
51	Classification of Consumers of Utilities as on 31-3-72	96
52	Classification of Connected Load of Utilities as on 31-3-72	98
53	Towns Electrified in Various Population Groups (1961 Census) as on 31-3-1972	100
54	Villages Electrified in Various Population Groups as on 31-3-1972—1961 Census	101
55	Electricity Production and Consumption in Selected Industries for the Year 1971-72	102
56	Statewise Electricity Production and Consumption in Selected Industries for the year 1971-72	104
57	Distribution of Energy Generation in Industrial Establishments according to the range of their installed Plant Capacity for the year 1971-72	105
58	Installed Generating Plant Capacity of Selected Industries as on 31-3-1972	106
59	Energy Consumed in Selected Industries during the Year 1971-72	110
60	Installed Plant Capacity and Energy Generation by the Indian Railways during the year 1971-72	114
61	Statewise Installed Plant Capacity and energy Generation by the Indian Railways during the Year 1971-72	116
62	Electrical Accidents — 1971-72	118

(vi)

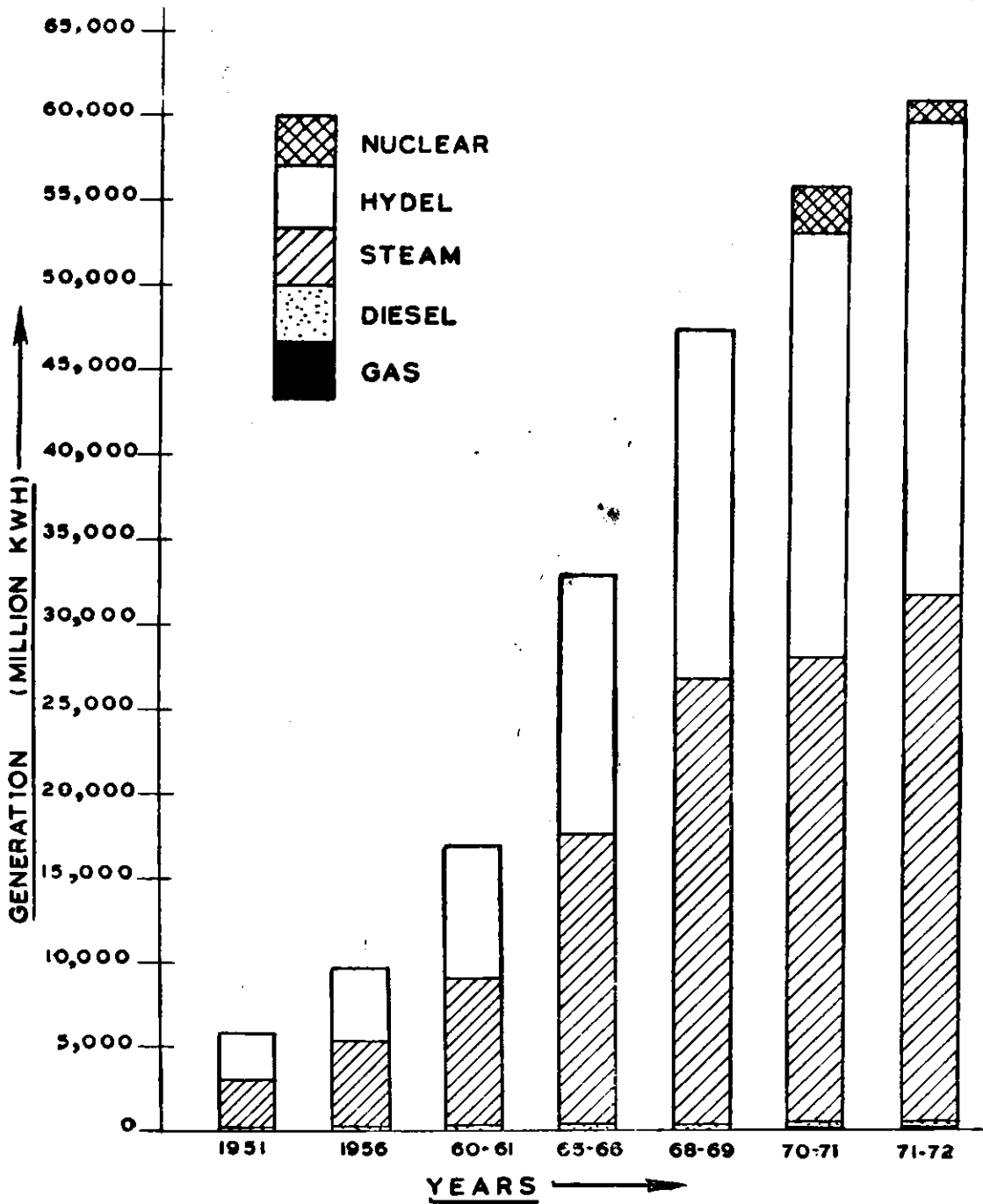
TABLES

SECTION-II

FINANCIAL STATISTICS (1970-71)

TABLE No.	DESCRIPTION	PAGE NO.
I	Statement of Capital outlay, i.e., original cost of plant, equipment etc. on Electricity Supply Systems and Undertakings Owned and Operated by State Govt. Departments, State Electricity Boards, Power Corporations, and local authorities in the Public Sector and Companies, Partnership etc. in the Private Sector as on 31st March, 1971 (Capital Expenditure).	122
II	Public Electricity Industry—consolidated annual accounts for the year ended 31-3-71 Capital Account	124
III	Revenue Account—1970-71	126
IV	Net Revenue and Appropriation Account—1970-71	129
V	General Balance Sheet as on 31-3-1971	132
VI	Average Price of Electricity	134
VII	Some Important Financial Features for the years 1968-69 to 1970-71	134
VIII	Consolidated Capital Outlay by Ownership for the years 1966-67 to 1970-71	135
IX	Consolidated Capital Outlay of Electricity Supply Undertakings for the years 1966-67 to 1970-71	135
APPENDIX		
	Addresses of Public Electricity Supply Undertakings and system of Supplies on 31-3-1972	137
INDEX	. . . . .	160

PROGRESS OF POWER GENERATION IN THE COUNTRY (UTILITIES)



PUBLIC ELECTRICITY SUPPLY—ALL INDIA STATISTICS 1971-72

GENERAL REVIEW

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 15,254.37 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 545.42 MW which represents an increase of 3.76 per cent over the installed plant capacity in the previous year. The total power generated (gross) by all the Utility undertakings was approximately 60,925.63 million kWh (net generation 57,795.85 million kWh) and the quantum of power purchased by them from self generating industries (non-utilities) was 129.18 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 47,063 million kWh. The increase in the sales to ultimate consumers during the year was approximately 3,339 million (kWh) equivalent to an increase of 7.6 per cent over the sales to ultimate consumers in the previous year.

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, 1970-71 and 1971-72 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 90.3 per cent of the installed plant was in the public sector and this generated 88.6 per cent of the total Generation. In the private sector, the installed plant capacity & generation were 9.7% and 11.4% of All India respectively. The prime mover wise position is given below :—

	Public Sector		Private Sector		Total	
	Installed capacity %	Generation (Net) %	Installed capacity %	Generation (Net) %	Installed capacity %	Generation (Net) %
1	2	3	4	5	6	7
Hydro	41.5	45.5	1.8	2.8	43.3	48.3
Steam	43.5	40.4	7.7	8.6	51.2	49.0
Diesel	1.3	0.2	0.2	Neg.	1.5	0.2
Gas Turbine	1.2	0.6	..	..	1.2	0.6
Nuclear	2.8	1.9	..	..	2.8	1.9
All India	90.3	88.6	9.7	11.4	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 and the corresponding generation (Net) in the public utility

undertakings were 15,254.37 MW and 57,795.85 million kWh respectively at the end of the year as per details shown below : --

	Total installed capacity (MW)	Generation (Net) (Million kWh)
(1) State Electricity Board	10,005.02	36,889.67
(2) Government Undertakings, Electricity Departments/Damodar Valley Corporation	3,506.79	13,293.65
(3) Municipalities	257.10	1,034.58
(4) Companies	1,485.46	6,577.95
TOTAL	15,254.37	57,795.85

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 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. 2,618.25 MW of plant capacity was under joint ownership. The energy sent out from these projects was 9,930.9 million kWh.

2.4 Generation, Maximum Demand and Load Factor

The aggregate generation maximum demand of the public sector of utility undertakings was 12,083.55 MW and that of the private sector undertakings was 1,249.54 MW. (The data on simultaneous maximum-demands grid wise 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 kWh 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 generated 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	6,611.61	28,024.22	6,514.70	4,239	49.1	98.5
Steam	7,818.38	31,237.28	6,205.98	3,995	57.50	79.40
Diesel	226.38	111.05	126.53	491	10.0	55.9
Gas Turbine	178.00	363.76	79.88	2,044	52.0	44.9
Nuclear	420.00	1,189.32	406.00	2,832	33.5	96.7
TOTAL	15,254.37	60,925.63	13,333.09	3,994	52.1	87.4

2.5 Addition to Generating Capacity

During the year 598.90 MW of generating capacity was added which figures excludes 54.48 MW installed capacity deleted (51.32 MW) is due to difference in reporting and 3.16 MW of plant capacity was withdrawn, resulting in a net increase of 545.42 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).

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

	Hydro	Steam	Diesel (MW)	Gas Turbine (MW)	Nuclear	Total
1	2	3	4	5	6	7
Andhra Pradesh . . . . .	..	..	..	..	..	..
Assam . . . . .	..	..	..	..	..	..
Bihar . . . . .	..	100.00	..	..	..	100.00
Gujarat . . . . .	..	..	..	..	..	..
Haryana . . . . .	..	..	..	..	..	..
Himachal Pradesh . . . . .	..	..	..	..	..	..
Jammu & Kashmir	13.80	15.00	..	..	..	28.80
Kerala . . . . .	..	..	..	..	..	..
Madhya Pradesh . . . . .	..	..	..	..	..	..
Maharashtra . . . . .	..	30.00	..	..	..	30.00
Mysore	89.10	..	..	..	..	89.10
Nagaland . . . . .	..	..	..	..	..	..
Orissa . . . . .	..	..	..	..	..	..
Punjab	15.00	..	..	..	..	15.00
Rajasthan . . . . .	..	..	..	10	..	10.00
Tamil Nadu	110.00	110.00	..	..	..	220.00
Uttar Pradesh . . . . .	..	105.00	..	..	..	105.00
West Bengal	1.00	..	..	..	..	1.00
<i>Union Territories</i>						
Delhi . . . . .	..	..	..	..	..	..
Rest . . . . .	..	..	..	..	..	..
TOTAL	228.90	360.00	..	10.00	..	598.90
Wrong reporting	(-) 0.52	(-) 50.80	..	..	..	(-) 51.32
	228.38	309.20	..	10.00	..	547.58

The plant additions under Hydro, Steam and Diesel & Gas as above constitute 41.7%, 56.5% and 1.8 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 1971-72 are given in Table 15.

2.6 Plant Withdrawn

The plant withdrawn during the year was as follows :—

Hydro . . . . .	..
Steam . . . . .	..
Diesel	3.16 M.W.
TOTAL	3.16 M.W.

2.7 Authorised Undertakings

Seven undertakings have been acquired by the State Electricity Boards. Details are given in Table No. 16. The Chola Power Station of Central Railway, Thermal Power Station of Neyveli Lignite Corporation Limited have been considered under public utilities. (Renukot in Uttar Pradesh is included in non-utilities).

The total number of undertakings engaged in the business of generation and supply of electric power as at the end of the year was 215 treating electricity departments as separate undertakings. Out of these 22 undertakings were generating and distributing; 62 undertakings generating purchasing and distributing and 131 undertakings were purchasing and distributing. The number of operating undertakings according to ownership is given below :

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	15	19	3	37
(b) Power Corporation . . . . .	..	1	..	1
(c) Municipality . . . . .	..	8	34	42
Sub-totals	15	28	37	80
(ii) Private Sector				
Company	5	29	96	129
TOTAL	20	57	132	209

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

A large number of company-owned utility undertakings were operating in Maharashtra (29), Gujarat (22), West Bengal (22) and Uttar Pradesh (16). In other States, their number was 9 or less each in Andhra Pradesh, Jammu and Kashmir, Nagaland, Orissa and Union Territories (except Goa, Daman & Diu) there was no 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, 33 undertakings whose generation exceeded 50 million kWh each accounted for 99.6 per cent of the total energy generated by utilities in India.

2.9 Classification of Power Station

2.9.1 Hydro Power Station

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

Among 109 hydro stations 64 stations had capacities exceeding 10.00 MW each and accounted for 98.7% of total installed hydro plant capacity. These stations generated 98.8% of the total energy produced by all the hydro power stations in India.

The position for hydro stations is summarised below :—

	1970-71	1971-72	% increase over 1970-71
1	2	3	4
Number of Hydro Stations	104	109	4.8
Aggregate Plant Capacity (MW)	6,383.23	6,611.61	3.5
Total energy generated (Million kWh)	25,248.24	28,024.22	10.9
Average plant load factor (%)	45.16	48.39	7.1

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 load factor for each range of plant capacity. There were 65 stations whose capacities exceeded 10.00 MW each. Among these stations 35 stations exceeded 50.00 MW. Only four stations had capacities upto 1.00 MW.

The 65 stations whose individual capacities exceeded 10 MW generated 99.2% of the total energy generated by the steam Power Stations. Among the stations only 35 whose individual capacity exceeded 50.00 MW generated 92.9% of the total energy produced by all Steam Power Stations.

Table 23 also gives the aggregate steam raising capacity of boilers which was 33,625.6 tonnes per hour, which corresponds to 4.3 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 :—

	1970-71	1971-72	% increase over 1970-71
1	2	3	4
No. of Stations	91	92	1.1
Aggregate Installed Capacity (MW) at the end of the year	7,508.18	7,818.38	4.1
Total energy generated (Million kWh)	27,713.97	31,237.28	12.7
Capacity of boilers (tonnes per hour)	32,630.5	33,625.6	3.1
Average capacity of boilers per kW of generating plant capacity (kg/hour)	4.3	4.3	..
Fuel consumed Coal, Lignite, Wood (Tonnes)	19,686,111	15,210,826	(—)2.6
Furnace Oil (Kilolitres)	1,280,546	1,416,539	10.3
Overall Thermal efficiency (%)	24.87	25.46	2.3
Average plant load factor (%)	42.0	45.6	8.5

2.9.3 Efficiency of Thermal Stations

The average overall efficiency of all the steam power stations was 25.46 per cent as compared with 24.87% for the year 1970-71. For details Table 23 may be seen wherein the overall efficiency of thermal station 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 27.41.

Table 24 shows the distribution of steam power stations according to their average overall efficiency. 28 power stations with aggregate installed capacity of 72.6% of the total steam plant installed, were working with efficiencies above 20% and generation 79.9% of the total energy. 15 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.

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. One powerhouse (Kota) of 10 MW of gas turbine was added during this year. The performance of the gas turbine power station during the year is given below :—

	1970-71	1971-72	% increase over 1970-71
Number of generating stations	5	6	20
Aggregate installed capacity (MW)	168	178	5.9
Total energy generated (Million kWh)	251.35	363.76	5.3

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

	1970-71	1971-72	% increase over 1970-71
(i) No. of power houses	228	217*	(—)4.8
(ii) Aggregate installed capacity (MW)	229.54	226.38	(—)1.3
(iii) Total energy generated (Million kWh)	114.22	111.05	(—)2.6
(iv) Fuel consumed (kilolitres) (estimated)	39,638	39,979	(+)1.3
(v) Average fuel consumption per kWh generated (litres) (estimated)	0.20	0.34	70
(vi) Average plant load factor (%)	6.6	5.6	(—)15.1

*Excluding Power Station (Diesel) Assam and Orissa.

2.10 Installed Power Plant According to AC and DC Generation

Out of 425 power stations under review 421 stations generated alternating current, 4 generated only direct current. 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.

Table 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 A.C./D.C. The information contained in these tables are summarised below, for these station where set-wise 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
Public Sector									
Number of Sets	330	240	2	10	614	..	..	4	1,200
Installed capacity (MW)	6,334.10	6,640.89	420	178.00	195.56	..	..	0.36	13,768.91
Private Sector									
Number of sets	24	92	..	..	86	..	3	13	218
Installed capacity (MW)	277.51	1,177.22	..	..	28.95	..	0.27	1.52	1,485.47
Total Number	354	332	2	10	700	..	3	17	1,418
Total capacity (MW)	6,611.61	7,818.11	420	178.00	224.51	..	0.27	1.88	15,254.38

*Excludes Power Houses of Orissa of 1.5 MW 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. A very popular voltage for A.C. generation from steam and hydro sets is 11 kV. Classification of generating sets according to the voltage of generation is given in Table 31, in case of stations where set-wise data were available.

2.12 Fuel Consumption

The fuel consumed in the thermal power stations in the various states in the year 1971-72 are given in Table 32. The steam power stations consumed approximately 19,195,021 tonnes of coal, 15,805 tonnes of wood & about 1,416,539 kilolitres of furnace oil. The gas turbine consuming diesel oil and the diesel stations together consumed about 39,979 kilolitres of diesel oil for power generation. The average heat input per kWh generated in the plants (including reciprocating steam plants) was 3,378 kilo calories and the average diesel oil consumption by the gas turbine and diesel power stations was 0.34 litre per kWh.

3. ENERGY UTILISATION

3.1 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. 5.4% of the total energy generated and purchased was utilised by the power station auxiliaries. 81.2% of the net energy available for supply was sold to ultimate consumers. Thus the losses and energy unaccounted for from all sources were 18.8% of the total energy available for supply.

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 Board.

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 9,750 million kWh. This compared to the total sales to ultimate consumers works to 20.7%. For comparison, the aggregate of inter-State energy transfer both as quantity and percentage of net generation from 1960-61 onwards is given below :—

(Million kWh)

Year	Total net generation	Aggregate of inter-State transfers of energy	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

3.2 Energy Sales

Table 37 gives the sales of utilities to ultimate consumers who are classified under eight broad categories. 8.7% of the total sale of utilities was for domestic light and small power, 6.3% for commercial lighting, heating, and small power, 67.2% for industrial, 1.1% for public lighting, 3.5% for railways and tramways, 10.6% for agricultural (Pumping), 2.1% for public water works and sewage pumping and 0.5% for miscellaneous (including free supply).

The percentage increase in power 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 7.0, 7.0, 19.6 and 12.0 respectively. The net average increase in power sales by utilities to all classes of consumers was 7.7% over that in the previous year.

Table 38 give 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 40 and that by the Private Sector in Table 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 93.78 kWh in 1971-72 as compared to 89.8 kWh for the year 1970-71. The per capita consumption thus increased by 4.4% over that in the previous year.

Table 42 give 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, 1971, the midpoint of 1971-72. This table also give 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 and 1971-72 are given below : —

Year	Per Capita Consumption		
	Public utilities (kWh)	From self-generation of non-utilities (kWh)	Total (kWh)
1	2	3	4
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 Union Territories of Delhi and Chandigarh showed the highest overall per capita consumption of electricity of 283.0 and 274.2 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 4.6 kw/sq. kilometre and 27.3 kW per thousand of population against 4.5 and 27.2 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, generation purchased and sale of power etc. for each State separately for the year 1951, 1956, 1960-61, 1965-66, 1970-71 and 1971-72.

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 voltages is given below. The comparative position in the previous year may also be seen.

(Circuit Kilometres)

Voltage	1970-71		1971-72		Increase percentage
	O.H.	U.G.	O.H.	U.G.	
1	2	3	4	5	6
22 KV	27,946	819	30,382	704	8.1
33 KV	65,658	650	71,627	555	8.8
44/37.5 KV	3,253	..	3,556	..	8.5
78/66 KV	22,516	..	23,332	..	3.6
110/90 KV	19,701	..	16,609	—	(—)15.6
132 KV	26,459	..	31,494	..	1
220/230 KV	11,241	..	10,204	..	9.0
	176,774	1,469	187,204	1,259	5.9

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 187,007 circuit kilometres.

Length of transmission lines 33 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 276,270 in the public Electricity Supply Undertakings. Their aggregate capacity was 766,850 MVA as classified below :—

	Number	Aggregate capacity (MVA)
Step-up Transformers	1,075	16,962.9
Step-down Transformers	6,556	40,242.5
Distribution Transformers	267,523	19,479.3
TOTAL	275,154	76,684.7

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 & Small Power	10,753,211	426,181	11,179,392	6,671.98
Commercial Light & Small Power	2,508,942	33,535	2,542,477	2,050.45
<i>Industrial Power</i>				
(i) LV & MV	555,729	16,395	572,124	4,985.95
(ii) H.V.	10,401	..	10,401	7,021.99
Public Lighting	64,444	43	64,487	198.90
Traction	73	..	73	491.42
Agricultural (Pumping)	1,869,970	49	1,870,019	7,246.20
Public Water Works & Sewage Pumping	13,277	6	13,283	327.46
Miscellaneous	25,536	117	25,653	483.80
	15,801,583	476,326	16,277,909	29,418.15

The number of consumers at the beginning of the year was approximately 14,664,978. During the year approximately 1,612,931 new consumers were connected thus recording a rise of 10.9% in their number.

4.4 Towns and Villages Electrified

Tables 53-54 shows the State-wise distribution of towns and villages electrified by the end of the year. The total number of towns and villages electrified was 2,699 and 1,22,094 respectively as per 1961 census.

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

Statistical data from 1098 industrial establishments were received and have been analysed. These establishments consumed 22,087 million kWh of energy. Out of this 17,900 million kWh were purchased from public electric utilities and 5,415.7 million kWh were generated in the power plants owned by 507 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 60 MW (increase includes error due to reporting).

The industry-wise and state-wise data of generating plant capacity, maximum demand, energy generation and purchase relating to selected industries are given in Tables 55 & 56 respectively.

The total installed plant capacity in the industrial power stations was 1,576.80 MW. This capacity was about 9.3% 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) and jute industries were large purchasers of power from electricity supply undertakings. Fertilisers oil and petroleum, sugar, paper, silk, cement (Primary), collieries, and copper (Primary), industries generated a large 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. 32 Undertakings with plant capacity of 10,001 MW and above produced 77.8% of the total power generated in the industrial power stations. 165 industries with plant capacity in the range of 1,001 to 10,000 MW generated 21.10% of the total power and the remaining 310 industries generated only 1.10% of the total electricity production by all the industries.

Tables 58 and 59 give the installed generating plant capacity and consumption of energy in 25 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)	System load factor
1. Aluminium (Primary)	3,489.0	85.01
2. Cement (Primary)	1,423.3	69.4
3. Chemicals	1,809.8	67.0
4. Collieries	633.3	51.6
5. Cotton Textiles	3,128.1	66.9
6. Engineering	989.1	47.5
7. Fertilizers	2,790.8	70.3
8. Iron & Steel (Primary)	2,826.3	58.1
9. Jute	694.6	59.7
10. Paper	1,095.8	71.2
11. Silk	785.4	79.8
12. Sugar	391.1	26.6

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)	58.53
Aggregate maximum demand (MW)	36.86
Generation (Million kWh)	42.99
Consumption in power station auxiliaries (Million kWh)	3.80

The Steam Power Stations of the Railways generated 28.99 million kWh and the Diesel Station 14.01 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.

8. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS—1970-71

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. 315,418 lakhs as against Rs. 285,245 lakhs at the end of 1969-70 covering 12,904,420 kW of installed plant capacity and a sale of 42,334 M kWh. This takes into account the data received from 196 out of 215 undertakings owned and operated by the State Electricity Board/Government Depts. Power Corporations, Municipalities, and Private Licensees. Of the remaining undertakings, 4 companies, 3 municipality owned undertakings, Electricity Depts. of the Jammu & Kashmir, Nagaland, Chandigarh, Dadra & Nagar Haveli, N.E.F.A. etc. covers only 12% of the total installed plant capacity. In case of some Union Territories, where 1970-71 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 is given below :—

	1969-70	1970-71
	(Rs. in lakhs)	
1. Government Boards & Corporations	244,996	273,531
2. Municipalities	11,504	12,189
3. Private Companies	28,745	29,698
TOTAL	285,245	315,418

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, 1970-71 indicates that the equity and preference share capital as at the end of the year 1970-71 was Rs. 4,517 lakhs and Rs. 981 lakhs as against Rs. 4,513 lakhs and Rs. 982 lakhs respectively at the end of 1969-70 (Table II).

10. REVENUE

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

Sale of electricity

	1969-70	1970-71
	(Rs. lakhs)	
(i) Domestic & Residential	8,313	9,226
(ii) Commercial	4,961	5,561
(iii) Industrial	24,991	27,889
(iv) Public Water Works and Sewage Pumping	847	1,215
(v) Traction	1,233	1,416
(vi) Public Lighting Maintenance	922	1,057
(vii) Irrigation	5,172	6,312
(viii) Other revenue	12,865	23,728
TOTAL	59,304	76,404

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

	1969-70	%	1970-71	%
	A. Revenue—			
1. Government Depts./ State Electricity Boards/Power Corporations	42,477	71.63	57,550	75.32
2. Municipalities	4,117	6.94	4,732	6.19
3. Companies	12,710	21.43	14,122	18.49
TOTAL	59,304	100.00	76,404	100.00

	1969-70	1970-71
	(Rupees lakhs)	
B. Operating Expenses—		
1. Govt. Deptts./State Electricity Boards/Power Corporations		
(i) Expenses	23,772	29,743
(ii) Depreciation	7,134	8,125
(iii) Interest Charges	12,659	13,032
TOTAL	43,565	50,900
2. Municipalities		
(i) Expenses	2,857	3,226
(ii) Depreciation	264	283
(iii) Interest Charges	433	497
TOTAL	3,554	4,006
3. Companies		
(i) Expenses	9,866	11,217
(ii) Depreciation	854	887
(iii) Interest Charges	590	590
TOTAL	11,310	12,694
GRAND TOTAL (1+2+3)	58,429	67,600

11. REVENUE PER KWH SOLD UNDER EACH CATEGORY

The average overall revenue by sale of electricity (excluding miscellaneous revenue) for the year 1970-71 was 12.44 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, MUNICIPALITIES, COMPANIES ETC.—1971-72

A few broad particulars of the tentative financial results of operation of the Govt. Deptts., State Electricity Board, Municipalities, Companies, etc. for the year 1971-72 are detailed below:—

	(Rupees in lakhs)			
	State Electricity Boards/ Departments/ Power Corporations	Municipalities	Private Companies	Total
1. Total Capital fixed assets	312,647	12,610	30,860	356,117
2. Gross revenue	55,890	4,885	15,385	76,160
3. Total operating expenses including depreciations and interest charges	55,586	4,205	13,650	73,441
4. Surplus/Deficit	(+)304	(+)680	(+)1,735	(+)2,719

SECTION-I
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	31-3-71	31-3-72
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	6,383.23	6,611.61
Steam Plant	1,004.43	1,546.81	2,436.26	4,417.11	7,508.18	7,818.38
Diesel Plant	148.80	208.53	300.14	352.16	229.54	226.38
Gas Turbine Plant . . . . .	..	..	..	134.00	168.00	178.00
Nuclear . . . . .	..	..	..	..	420.00	420.00
\$TOTAL	1,712.52	2,694.82	4,653.06	9,027.02	14,708.95	15,254.37
<i>(b) Non-utilities :</i>						
(i) Self generating Industry	587.85	723.51	1,001.37	1,082.36	1,516.87	1,576.79
(ii) Railways . . . . .	..	..	..	63.64	45.14	58.53
\$TOTAL	587.85	723.51	1,001.37	1,146.00	1,562.01	1,635.32
ALL INDIA GRAND TOTAL	2,300.37	3,418.33	5,654.43	10,173.02	16,270.96	16,889.69

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

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
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	25,248.24	28,024.22
Steam Plant	2,779.06	5,133.90	8,732.4	17,372.18	27,796.45	31,237.28
Diesel	219.65	233.36	368.0	323.68	114.22	111.05
Gas Turbine Plant . . . . .	..	..	..	..	251.35	363.76
Nuclear . . . . .	..	..	..	..	2,417.38	1,189.32
\$TOTAL	5,858.40	9,662.14	16,937.0	32,990.13	55,827.64	60,925.63
<i>(b) Non-Utilities :</i>						
(i) Self-generating Industry	1,655.57	2,209.51	3,186.10	3,733.19	5,347.24	5,415.72
(ii) Railways . . . . .	..	..	..	101.94	36.65	43.00
\$TOTAL	1,655.57	2,209.51	3,186.10	3,835.13	5,383.89	5,458.72
ALL INDIA GRAND TOTAL	7,513.97	11,871.65	20,123.12	36,825.25	61,211.53	66,384.35
3. ENERGY USED BY POWER STATION AUXILIARIES (M. kWh)	218.32	386.45	721.86	1,647.46	2,863.20	3,129.79
4. GENERATION (UTILITIES) (NET)	5,640.08	9,275.68	16,215.14	31,342.84	52,964.44	57,795.84
5. ENERGY PURCHASED FROM NON-ELECTRIC UTILITIES (M. kWh)	17.74	18.64	223.04	12.92	66.33	129.18
6. SALES (MILLION-kWh)—						
(a) Domestic lights and small power	594.08	934.12	1,492.29	2,355.14	3,839.76	4,107.46
(b) Commercial light and small power	330.02	545.85	847.74	1,650.07	2,572.66	2,942.78

\$Totals may not tally due to rounding off.

TABLE No. 1—Contd.

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
(c) Industrial :						
(i) Upto 650 volts . . .	575.26	931.84	1,641.12	2,709.81	3,913.64	4,452.56
(ii) Above 650 volts . . .	2,483.63	4,391.59	8,055.28	16,166.08	25,665.46	27,184.62
(d) Public Lighting . . .	67.60	117.77	193.24	279.57	499.66	490.81
(e) Railways/Tramways . . .	329.59	404.93	453.92	1,057.28	1,364.57	1,632.69
(f) Agricultural . . .	203.05	316.18	832.92	1,891.84	4,470.23	5,005.62
(g) Public Water Works & Sewage Pumping . . .	210.12	317.08	436.19	625.16	101.51	1,008.64
(h) Miscellaneous . . .	*	*	*	*	381.67	238.02
\$TOTAL . . .	4,793.34	7,959.35	13,952.72	26,734.94	43,724.19	47,063.20
7. ENERGY LOST IN TRANSFORMATION; TRANSMISSION AND DISTRIBUTION AND UNACCOUNTED FOR . . .	864.48	1,334.98	2,485.47	4,585.18	9,306.50	10,861.82
8. FUEL CONSUMPTION :						
(a) In Steam Power Stations :						
(i) Coal (Tonnes) . . .	2,478.200	4,067.350	6,699.590	10,273.634	14,584.750*	1,617,802
(ii) Lignite (Tonnes) . . .	..	..	..	2,184,106	2,543,000	3,017,000
(iii) Wood (Tonnes) . . .	..	..	..	14,196	15,361	15,805
(iv) Furnace Oil (Kilolitres) . . .	..	..	..	422,848	12,80,546	1,416,539
(b) Diesel Power Stations :						
(i) Diesel Oil (Kilolitres) . . .	85,181	83,124	122,052	185,878	39,638	39,979
9. AGGREGATE MAXIMUM DEMAND (MW) . . .	1,205.19	1,989.77	3,545.93	7,306.23	12,532.90	13,333.09
10. TRANSMISSION AND DISTRIBUTION LINES KM. (AT THE END OF YEAR) @39,380.00	@39,380.00	@50,000.00	@146,737.26	541,475.9	1,117,162	1,304,169
11. AUTHORISED UNDERTAKINGS** (AT THE END OF YEAR) :						
(a) Public Sector :						
(i) Generating & Distributing . . .	..	..	..	..	17	15
(ii) Generating, Purchasing and Distributing . . .	269	69	74	80	27	28
(iii) Purchasing and Distributing . . .	..	..	..	..	36	37
SUB-TOTAL (a) . . .	269	69	74	80	80	80
(b) Private Sector :						
(i) Generating & Distributing . . .	..	..	..	..	5	5
(ii) Generating, Purchasing and Distributing . . .	316	301	263	180	34	29
(iii) Purchasing and Distributing . . .	..	..	..	..	96	95
SUB-TOTAL (b) . . .	316	301	263	180	135	129
GRAND TOTAL . . .	585	370	337	260	215	209

*Figures for 1970-71 revised.

\$Totals may not tally due to rounding off

@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—*Concl'd.*

Year	31-12-50 ^{@@}	31-12-55 ^{@@}	31-3-61	31-3-66	1970-71	1971-72
12. NO. OF CONSUMERS—						
(a) Domestic Light and Small Powers	1,157,016	1,929,432	3,666,889	6,379,240	10,165,217	1,11,79,392
(b) Commercial Light and small Power	259,016	430,123	672,554	1,408,958	2,305,727	2,542,477
(c) (i) Industrial power upto 650 volts including Public Water Works and Sewage Pumping . . . . .	..	..	..	..	542,505	585,407
(ii) Industrial power above 650 volts including Railways.	63,043£	99,317£	178,692£	330,300£	10,064	10,474
(d) Public Lighting	2,214	3,082	15,126	51,181	58,339	64,487
(e) Agricultural (Pumping)	19,316	46,626	195,902	508,372	1,570,928	1,870,019
(f) Miscellaneous	*	*	*	*	12,198	25,653
\$TOTAL	1,500,605	2,508,580	4,729,163	8,678,051	14,664,978	16,277,909
13. CONNECTED LOAD (MW)—						
(a) Domestic light & small power	733.86	1,225.68	2,234.79	3,689.45	5,985.91	6,671.98
(b) Commercial light & small power	401.30	365.68	526.07	1,022.75	1,911.00	2,050.45
(c)(i) Industrial power upto 650 volts including Public Water Works & Sewage Pumping . . . . .	..	..	..	..	4,830.35	5,313.41
(ii) Industrial power above 650 volts including Railways.	1,561.68££	2,455.39££	4,561.92££	6,749.09	6,801.29	7,453.41
(d) Public lighting	20.67	33.26	76.16	104.52	167.66	198.90
(e) Agricultural (Pumping)	117.56	242.60	826.53	2,037.35	6,224.84	7,246.20
(f) Miscellaneous . . . . .	..	..	..	..	309.12	483.80
\$TOTAL	2,835.07	4,322.61	8,225.47	13,603.16	26,230.17	29,418.15
14. ELECTRIFIED TOWNS AND VILLAGES	4,051	8,751	23,969	54,816	106,774	124,789

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
15. PER CAPITA GENERATION (MID-YEAR) (UTILITIES & NON-UTILITIES)	20.8	30.9	43.9	73.81	113.30	119.06
16. PER CAPITA CONSUMPTION (MID-YEAR) (UTILITIES & NON-UTILITIES)	17.8	26.4	38.2	61.3	89.76	93.78

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

£Includes figures for item 12 (i).

*Included in Commercial.

\$Totals may not tally due to rounding off.

££Includes figures for item 13(c)(i).

TABLE No. 2

Installed Plant Capacity (as on 31-3-1972) and Generation by Type of Plant and Ownership

Sl. No.	Type of Plant and Ownership	Installed Plant Capacity (MW)	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	5,234.57	34.2	2,0748.70	20,668.66	35.8
	(b) Electricity Departments/Govt. Undertakings/D.V.C.	1,091.67	7.2	5,651.88	5,633.00	9.7
	(c) Municipalities	7.86	0.1	25.82	24.77	0.04
	SUB-TOTAL	6,334.10	41.5	26,426.40	26,326.43	45.5
	<i>Private Sector :</i>					
	Companies	277.51	1.8	1,597.82	1,589.87	2.8
	TOTAL (I)	6,611.61	43.3	28,024.22	27,916.30	48.3
II	Steam—					
	<i>Public Sector :</i>					
	(a) State Elect. Boards	4,447.59	29.1	17,461.85	15,815.27	27.4
	(b) Electricity Departments/Govt. Undertakings/D.V.C.	1,972.10	12.9	7,365.04	6,549.34	11.3
	(c) Municipalities	221.20	1.5	1,093.48	1,000.04	1.7
	SUB-TOTAL	6,640.89	43.5	25,920.37	23,364.65	40.4
	<i>Private Sector :</i>					
	Companies	1,177.49	7.7	5,316.91	4,968.80	8.6
	TOTAL (II)	7,818.38	51.2	31,237.28	28,333.45	49.0
III	Diesel—					
	<i>Public Sector :</i>					
	(a) State Electricity Boards	144.86	0.9	54.57	51.74	0.1
	(b) Electricity Departments/Govt. Undertakings/D.V.C.	23.02	0.2	27.02	26.33	0.1
	(c) Municipalities	28.04	0.2	9.26	9.05	..
	SUB-TOTAL	195.92	1.3	90.85	87.12	0.2
	<i>Private Sector :</i>					
	Companies	30.46	0.2	20.20	19.28	..
	TOTAL (III)	226.38	1.5	111.05	106.40	0.2
IV	Gas Turbine—					
	<i>Public Sector :</i>					
	(a) State Electricity Boards	178.00	1.2	363.76	354.71	0.6
	(d) Electricity Departments/Govt. Undertakings/D.V.C. . . . .	..	..	..	..	..
	(c) Municipalities . . . . .	..	..	..	..	..
	SUB-TOTAL	178.00	1.2	363.76	354.71	0.6
	<i>Private Sector :</i>					
	Companies . . . . .	..	..	..	..	..
	TOTAL (IV)	178.00	1.2	363.76	354.71	0.6

TABLE NO. 2—Concl'd.

Sl. No.	Type of Plant and Ownership	Installed Plant Capacity (MW)	Percentage of Total	Generation (Million kWh)		Percentage of net Generation
				Gross	Net	
1	2	3	4	5	6	7
V	<i>Nuclear—</i>					
	<i>Public Sector :</i>					
	(a) State Electricity Boards . . . . .	..	..	..	..	..
	(b) Electricity Departments/Govt. Undertakings/D.V.C.	420.00	2.8	1,189.32	1,084.98	1.9
	(c) Municipalities . . . . .	..	..	..	..	..
	SUB-TOTAL	420.00	2.8	1,189.32	1,084.98	1.9
	<i>Private Sector :</i>					
	Companies . . . . .	..	..	..	..	..
	TOTAL (V)	420.00	2.8	1,189.32	1,084.98	1.9
	GRAND TOTAL (I+II+III+IV+V)	15,254.37	100.00	60,925.63	57,795.85	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 31-3-72	Percentage of Total	Increase over 31-3-71 %	Energy Generated 1971-72 (MkWh)	Percentage of Generation Gross	Increase of Generation (gross in 1971-72 over 1970-71) %
1	2	3	4	5	6	7	8
<i>1. Public Sector :</i>							
(a) State Elec. Boards	16	10,005.02	65.58	5.6	38,628.88	63.40	12.9
(b) Government Departments	17	1,044.29	6.85	7.2	5,286.87	8.68	7.7
(c) Govt. Undertakings	4	1,401.00	9.19	(-)2.8	4,477.31	7.35	(-)17.1
(d) D.V.C.	1	1,061.50	6.96	Nil	4,469.08	7.34	11.6
(e) Municipalities	42	257.10	1.68	(-)3.6	1,128.56	1.85	7.6
SUB-TOTAL	80	13,768.91	90.26	4.1	53,990.70	88.62	8.9
<i>2. Private Sector :</i>							
(a) Companies	129	1,485.46	9.74	(-)0.2	6,934.93	11.38	10.7
TOTAL	209	15,254.37	100.00	3.7	60,925.63	100.00	9.1

TABLE NO. 4

Statewise Installed Capacity Generation and No. of Undertakings (Utilities) Sector-Wise

Sl. No	State	PUBLIC SECTOR							
		State Electricity Board				Electricity Department/Government Undertakings/ Corporations			
		No. of Undertakings	Installed Plant Capacity@ (MW)	Energy Generated Gross@ (Million kWh)	Energy Generated Net (Million kWh)	No. of Undertakings	Installed Plant Capacity@ (MW)	Energy Generated Gross@ (Million kWh)	Energy Generated Net (Million kWh)
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	1	470.19	2,408.34	2,267.46	2	137.93	727.73	725.62
2	Assam	1	171.00	417.57	406.69	..	..	..	..
3	Bihar	1	558.33	1,437.37	1,265.29	1	9.60	2.80	2.60
4	Gujarat	1	451.30	2,160.02	1,983.38	..	210.00	594.66	542.49
5	Haryana	1	504.06	2,059.67	2,023.98	..	..	..	..
6	Himachal Pradesh	1	48.34	137.62	135.91	..	..	..	..
7	Jammu & Kashmir	..	..	..	..	1	69.16	181.97	175.01
8	Kerala	1	548.10	2,293.07	2,275.74	..	..	..	..
9	Madhya Pradesh	1	709.42	2,885.90	2,656.68	..	..	..	..
10	Maharashtra \$	1	1,178.09	6,081.26	5,830.71	2	306.00	707.58	640.47
11	Manipur £	..	..	..	..	1	6.23	7.10*	6.90*
12	Mysore	1	206.26	804.96	799.63	1	760.40	4,126.92	4,117.20
13	Nagaland	..	..	..	..	1	2.12	0.64	0.62
14	Orissa	1	529.30	1,624.80	1,546.05	..	34.42*	201.52	200.92
15	Punjab	1	695.84	2,776.95	2,768.30	1	10.00	10.60	9.60
16	Rajasthan	1	537.70	1,695.93	1,651.22	..	..	..	..
17	Tamil Nadu	1	1,585.50	4,368.41	4,272.40	1	600.00	2,436.22	2,167.96
18	Uttar Pradesh	1	1,399.55	5,986.40	5,632.26	..	..	..	..
19	West Bengal	1	412.04	1,490.61	1,373.97	2	289.00	752.18	665.67
20	D.V.C.	..	..	..	..	1	1,061.50	4,469.08	4,024.92
	<i>Union Territories—</i>								
	(a) Delhi	..	..	..	..	1	3.02	4.95	4.63
	(b) Andaman & Nicobar Islands	..	..	..	..	1	2.48	0.68	0.68
	(c) Chandigarh	..	..	..	..	1	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..	1	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	1	..	..	..
	(f) L. Minicoy & Amindive	..	..	..	..	1	0.48	0.31	0.30
	(g) N.E.F.A.	..	DATA NOT AVAILABLE	..	..	1	DATA NOT AVAILABLE	..	..
	(h) Pondicherry	..	..	..	..	1	..	..	..
	(i) Tripura	..	..	..	..	1	4.45	8.32	8.06
	ALL INDIA (TOTAL)	16	10,005.02	38,628.88	36,889.67	22	3,506.79	14,233.26	13,293.65

Sl. No.	State	PUBLIC SECTOR				PRIVATE SECTOR				TOTAL			
		Municipalities				Companies				No. of Under-takings	Installed Plant Capacity@ (MW)	Energy Generated Gross@ (Million kWh)	Energy Generated Net (Million kWh)
		No. of Under-takings	Installed Plant Capacity@ (MW)	Energy Generated Gross@ (Million kWh)	Energy Generated Net (Million kWh)	No. of Under-takings	Installed Plant Capacity@ (MW)	Energy Generated Gross@ (Million kWh)	Energy Generated Net (Million kWh)				
1	2	11	12	13	14	15	16	17	18	19	20	21	22
1	Andhra Pradesh	..	..	..	..	..	..	..	..	3	608.12	3,136.07	2,993.08
2	Assam	..	..	..	..	3	3.45	7.57	7.23	4	174.45	425.14	413.92
3	Bihar	..	..	..	..	9	30.84	95.99	88.50	11	598.77	1,536.16	1,356.39
4	Gujarat	10	1.10	0.06	0.05	22	241.45	1,293.37	1,218.59	33	903.85	4,048.11	3,744.51
5	Haryana	..	..	..	..	..	..	..	..	1	504.06	2,059.67	2,023.98
6	Himachal Pradesh	1	3.11	11.12	10.82	..	..	..	..	2	51.45	148.74	146.73
7	Jammu & Kashmir	..	..	..	..	..	..	..	..	1	69.16	181.97	175.01
8	Kerala	1	..	..	..	3	..	..	..	5	548.10	2,293.07	2,275.74
9	Madhya Pradesh	..	..	..	..	5	17.70	10.45	9.01	6	727.12	2,896.35	2,665.69
10	Maharashtra	6	0.05	0.01	0.01	29	625.27	3,525.11	3,390.69	38	2,109.41	1,0313.96	9,861.88
11	Manipur	..	..	..	..	..	..	..	..	1	6.23	7.10	6.90
12	Mysore	..	..	..	..	8	0.59	..	..	10	967.25	4,931.88	4,916.83
13	Nagaland	..	..	..	..	..	..	..	..	1	2.12	0.64	0.62
14	Orissa	..	..	..	..	..	..	..	..	1	563.72	1,826.32	1,746.97
15	Punjab	1	..	..	..	1	..	..	..	4	705.84	2,787.55	2,777.90
16	Rajasthan	1	0.37	..	..	3	3.59	3.38	3.23	5	541.66	1,699.31	1,654.45
17	Tamil Nadu	5	..	..	..	7	..	..	..	14	2,185.50	68,04.63	6,440.36
18	Uttar Pradesh	13	7.37	11.05	10.99	16	49.20	180.98	166.62	30	1,456.12	6,178.43	5,809.87
19	West Bengal	1	3.10	4.92	4.91	22	511.33	1,811.99	1,688.12	26	1,215.47	4,059.70	3,732.67
20	D.V.C.	..	..	..	..	..	..	..	..	1	1,061.50	4,469.08	4,024.92
<i>Union Territories—</i>													
	(a) Delhi	2	242.00	1,101.40	1,007.80	..	..	..	..	2	242.00	1,101.40	1,007.80
	(b) Andaman & Nicobar Islands	..	..	..	..	..	..	..	..	1	3.02	4.95	4.63
	(c) Chandigarh	..	..	..	..	..	..	..	..	1	2.48	0.68	0.68
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	1	..	..	..
	(e) Goa, Daman & Diu	1	..	..	..	1	2.04	6.09	5.96	3	2.04	6.09	5.96
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	1	0.48	0.31	0.30
	(g) N.E.F.A.	DATA	NOT AV	AILABLE	..	DATA	NOT AVAI	LABLE	..	1	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	1	..	..	..
	(i) Tripura	..	..	..	..	..	..	..	..	1	4.45	8.32	8.06
ALL INDIA (TOTAL)		42	257.10	1,128.56	1,034.58	129	1,485.46	6,934.93	6,577.95	209	15,254.37	60,925.63	57,795.85

* Capacity and generation etc. are from Machkund share, the number being counted in Andhra Pradesh.

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

\$ Data for 1970-71 repeated.

£ Includes share of Tarapore.

TABLE NO. 5

Installed Plant Capacity@ (31-7-72) Aggregate Maximum Demand and Energy Generated@ By Type of Plant

Sl. No.	State/Power Corporation	HYDRO				STEAM				DIESEL			
		Installed Plant Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation@ (Million kWh)		Installed Plant Capacity@ (MW)	Maximum Demand (Aggregate) (MW)	Generation@ (Million kWh)		Installed Plant Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation@ (Million kWh)	
				Gross	Net			Gross	Net			Gross	Net
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Andhra Pradesh	316.75	336.00	1,577.97	1,574.23	320.00	304.20	1,820.11	1,680.11	0.19	0.01	0.02	0.02
2	Assam	66.71	49.72	191.36	187.84	..	..	..	..	26.24	9.52	13.94	12.48
3	Bihar	9.60	3.12	2.80	2.60	572.77	359.61	1,525.83	1,346.61	16.40	9.82	7.53	7.18
4	Gujarat	..	..	..	..	619.60	575.70	3,308.29	3,060.16	20.25	16.42	6.16	5.61
5	Haryana	..	..	..	..	28.10	20.20	38.89	34.23	4.99	3.35	2.14	2.04
6	Himachal Pradesh	48.90	33.05	148.70	146.70	..	..	..	..	2.55	1.56	0.04	0.03
7	Jammu & Kashmir %	40.72	30.00	149.91	145.95	22.50	18.00	23.24	20.51	5.94	5.00	8.82	8.55
8	Kerala	546.50	519.40	2,293.07	2,275.74	..	..	..	..	1.60	..	..	..
9	Madhya Pradesh	287.00	292.00	1,001.60	1,000.00	707.00	543.30	2,826.05	2,556.01	1.62	0.60	0.30	0.28
10	Maharashtra	844.32	896.17	5,017.49	4,993.38	1,041.00	956.46	4,701.29	4,325.52	14.09	0.42	0.52	0.49
11	Manipur*	0.60	0.60	2.00	1.90	..	..	..	..	5.63	3.45	5.10	5.00
12	Mysore	952.20	988.30	4,867.49	4,852.61	..	..	..	..	0.65	0.06	0.02	0.02
13	Nagaland	..	..	..	..	..	..	..	..	2.12	0.33	0.64	0.62
14	Orissa	270.00	200.00	1,107.39	1,102.63	258.25	113.00	516.53	442.57	1.05	0.42	0.88	0.85
15	Punjab	1,267.50	1,235.50	5,155.00	5,142.30	15.00	14.00	19.40	16.70	15.14	10.09	5.25	5.20
16	Rajasthan	..	..	..	..	44.15	17.80	16.56	14.95	35.68	26.39	10.25	9.80
17	Tamil Nadu	1,224.00	1,220.00	3,749.02	3,739.26	961.50	703.80	3,055.61	2,701.10	..	..	..	..
18	Uttar Pradesh	606.30	585.50	2,288.41	2,281.77	814.78	773.31	3,887.08	3,525.32	22.54	8.80	1.88	1.75
19	West Bengal	26.51	16.84	44.34	43.87	1,171.43	765.80	3,994.27	3,668.20	17.53	9.69	21.09	20.60
20	D.V.C.	104.00	108.50	427.67	425.52	957.50	780.00	4,041.41	3,599.40	..	..	..	..
<i>Union Territories—</i>													
	(a) Delhi	..	..	..	..	283.70	260.50	1,460.92	1,340.55	20.80	14.10	7.92	7.76
	(b) Andaman & Nicobar Islands	..	..	..	..	1.10	0.30	1.80	1.51	1.92	0.51	3.15	3.12
	(c) Chandigarh	..	..	..	..	..	..	..	..	2.48	1.20*	0.68	0.68
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	..	..	2.04	1.46	6.09	5.96
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	0.48	0.21	0.31	0.30
	(g) N.E.F.A.	DATA NOT AVAILABLE				DATA NOT AVAILABLE				DATA NOT AVAILABLE			
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..	..	..
	(i) Tripura	..	..	..	..	..	..	..	..	4.45	3.12	8.32	8.06
	ALL INDIA	6,611.61	6,514.70	29,024.22	27,916.30	7,818.38	6,205.98	31,237.28	28,333.45	226.38	126.53	111.05	106.40

Sl. No.	State/Power Corporation	GAS				NUCLEAR				TOTAL			
		Installed Plant Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (Million kWh)		Installed Plant Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (Million kWh)		Installed Plant Capacity (MW)	Maximum Demand (Aggregate) (MW)	Generation (Million kWh)	
				Gross	Net			Gross	Net			Gross	Net
1	2	15	16	17	18	19	20	21	22	23	24	25	26
1	Andhra Pradesh	20.00	10.60	3.86	3.84	..	..	..	..	656.94	650.81	3,401.96	3,258.20
2	Assam	81.50	41.00	219.84	213.59	..	..	..	..	174.45	100.24	425.14	1,413.92
3	Bihar	..	..	..	..	..	..	..	..	598.77	372.55	1,536.16	1,356.39
4	Gujarat	54.00	28.00	139.00	136.25	..	..	..	..	693.85	620.12	3,453.45	3,202.02
5	Haryana	..	..	..	..	..	..	..	..	33.09	23.55	41.03	36.27
6	Himachal Pradesh	..	..	..	..	..	..	..	..	51.45	34.61	148.74	146.73
7	Jammu & Kashmir%	..	..	..	..	..	..	..	..	69.16	53.00	181.97	175.01
8	Kerala	..	..	..	..	..	..	..	..	543.10	519.40	2,293.07	2,275.74
9	Madhya Pradesh	..	..	..	..	..	..	..	..	995.62	835.90	3,827.95	3,556.29
10	Maharashtra	..	..	..	..	420.00	403.00	1189.32	1084.98	2,319.41	2,259.05	10,908.62	10,404.37
11	Manipur*	..	..	..	..	..	..	..	..	6.23	4.05	7.10	6.90
12	Mysore	..	..	..	..	..	..	..	..	952.85	988.36	4,867.51	4,852.63
13	Nagaland	..	..	..	..	..	..	..	..	2.12	0.33	0.64	0.62
14	Orissa	..	..	..	..	..	..	..	..	529.30	313.42	1,624.80	1,546.05
15	Punjab	..	..	..	..	..	..	..	..	1,297.64	1,259.59	5,179.65	5,164.20
16	Rajasthan	10.00	..	..	..	..	..	..	..	89.83	44.19	26.81	24.75
17	Tamil Nadu	..	..	..	..	..	..	..	..	2,185.50	1,923.80	6,804.63	6,440.36
18	Uttar Pradesh	12.50	0.28	1.06	1.03	..	..	..	..	1,456.12	1,367.89	6,178.43	5,809.87
19	West Bengal	..	..	..	..	..	..	..	..	1,215.47	792.33	4,059.70	3,732.67
20	D.C.V.	..	..	..	..	..	..	..	..	1,061.50	888.50	4,469.08	4,024.92
	<i>Union Territories—</i>												
	(a) Delhi	..	..	..	..	..	..	..	..	304.50	274.60	1,468.84	1,348.31
	(b) Andaman & Nicobar Islands	..	..	..	..	..	..	..	..	3.02	0.81	4.95	4.63
	(c) Chandigarh	..	..	..	..	..	..	..	..	2.48	1.20	0.68	0.68
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	..	..	2.04	1.46	6.09	5.96
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	0.48	0.21	0.31	0.29
	(g) N.E.F.A.	DATA NOT AVAILABLE				DATA NOT AVAILABLE				DATA NOT AVAILABLE			
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..	..	..
	(i) Tripura	..	..	..	..	..	..	..	..	4.45	3.12	8.32	8.06
	ALL INDIA	178.00	79.88	363.76	354.71	420.00	406.00	11,89.32	10,84.98	15,254.37	13,333.09	60,925.63	57,795.84

@ 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 minimum demand of such stations cannot be split and the maximum demand is desired to be compared with the installed capacity.

* Data for 1970—71 repeated.

% Data for maximum demand estimated.

TABLE No. 6

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

Sl. No.	State/Power Corporation	HYDRO			STEAM			DIESEL		
		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	Energy Generated (Gross) (M. kWh)	Energy used by Power Station Auxiliaries (M. kWh)	Auxiliary Consumption as Percentage of Generation
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	1,577.97	3.74	0.24	1,820.11	140.00	7.69	0.02	Neg.	..
2	Assam	191.36	3.52	1.83	..	..	..	13.94	1.46	10.47
3	Bihar	2.80	0.20	7.14	1,525.83	179.22	11.74	7.53	0.35	4.65
4	Gujarat	..	..	..	3,308.29	248.13	7.50	6.16	0.55	8.93
5	Haryana	..	..	..	38.89	4.66	11.98	2.14	0.10	4.67
6	Himachal Pradesh	148.70	2.00	1.35	..	..	..	0.04	0.01	25.00
7	Jammu & Kashmir	149.91	3.96	2.66	23.24	2.73	11.75	8.82	0.27	3.06
8	Kerala	2,293.07	17.33	0.76	..	..	..	..	..	..
9	Madhya Pradesh	1,001.60	1.60	0.16	2,826.05	270.04	9.55	0.30	0.02	6.67
10	Maharashtra	3,017.49	24.11	0.48	4,701.29	375.77	7.99	0.52	0.03	5.77
11	Manipur*	2.00	0.10	5.00	..	..	..	5.10	0.10	1.96
12	Mysore	4,867.49	14.88	0.31	..	..	..	0.02	Neg.	Neg.
13	Nagaland	..	..	..	..	..	..	0.64	0.02	3.13
14	Orissa	1,107.39	4.76	0.43	516.53	73.96	14.32	0.88	0.03	3.41
15	Punjab	3,155.00	12.70	0.25	19.40	2.70	13.92	5.25	0.05	0.95
16	Rajasthan	..	..	..	16.56	1.61	9.72	10.25	0.45	4.29
17	Tamil Nadu	3,749.02	9.76	0.26	3,055.61	354.51	11.60	..	..	..
18	Uttar Pradesh	2,288.41	6.64	0.29	3,887.08	361.76	9.30	1.88	0.13	6.92
19	West Bengal	44.34	0.47	1.06	3,944.27	326.07	8.16	21.09	0.49	2.32
20	D.V.C.	427.67	2.15	0.50	4,041.41	442.01	10.94	..	..	..
	<i>Union Territories—</i>									
	(a) Delhi	..	..	..	1,460.92	120.37	8.24	7.92	0.16	2.02
	(b) Andaman & Nicobar Islands	..	..	..	1.80	0.29	16.11	3.15	0.03	0.95
	(c) Chandigarh	..	..	..	..	..	..	0.68	Neg.	Neg.
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	6.09	0.13	2.13
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	0.31	0.01	3.23
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	..
	(i) Tripura	..	..	..	..	..	..	8.32	0.26	..
	ALL INDIA	28,024.22	107.92	0.38	32,277.28	2,963.83	9.01	111.05	4.65	4.23

@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 shown share-wise elsewhere.

TABLE No. 6—Contd.

7-1 C W & P C (ND)/73

Sl. No.	State/Power Corporation	GAS			NUCLEAR			TOTAL		
		Energy Generated (Gross) (M. kWh)	Energy used by Power Station Auxiliaries (M. kWh)	Auxiliary Consumption as Percentage of Consumption	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	12	13	14	15	16	17	18	19	20
1	Andhra Pradesh	3.86	0.02	0.52	..	..	..	3,401.96	143.76	4.23
2	Assam	219.84	6.25	2.86	..	..	..	425.14	11.23	2.64
3	Bihar	..	..	..	..	..	..	1,536.16	179.77	11.70
4	Gujarat	139.00	2.75	1.98	..	..	..	3,453.45	251.43	7.28
5	Haryana	..	..	..	..	..	..	41.03	4.76	11.60
6	Himachal Pradesh	..	..	..	..	..	..	148.74	2.01	1.35
7	Jammu & Kashmir	..	..	..	..	..	..	181.97	6.96	3.82
8	Kerala	..	..	..	..	..	..	2,293.07	17.33	0.76
9	Madhya Pradesh	..	..	..	..	..	..	3,827.95	271.66	7.10
10	Maharashtra	..	..	..	1,189.32	04.34	8.77	10,908.62	504.25	4.62
11	Manipur*	..	..	..	..	..	..	7.10	0.20	2.82
12	Mysore	..	..	..	..	..	..	4,867.51	14.88	0.31
13	Nagaland	..	..	..	..	..	..	0.64	0.02	3.13
14	Orissa	..	..	..	..	..	..	1,624.80	78.75	4.85
15	Punjab	..	..	..	..	..	..	5,179.65	15.45	0.30
16	Rajasthan	..	..	..	..	..	..	26.81	2.06	7.68
17	Tamil Nadu	..	..	..	..	..	..	6,804.63	364.27	5.35
18	Uttar Pradesh	1.06	0.03	2.83	..	..	..	6,178.43	368.56	5.96
19	West Bengal	..	..	..	..	..	..	4,059.70	327.03	8.05
20	D.V.C.	..	..	..	..	..	..	4,469.08	444.16	9.94
	<i>Union Territories—</i>									
	(a) Delhi	..	..	..	..	..	..	1,468.84	120.53	8.20
	(b) Andaman & Nicobar Islands	..	..	..	..	..	..	4.95	0.32	6.46
	(c) Chandigarh	..	..	..	..	..	..	0.68	Neg.	Neg.
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	6.09	0.13	2.13
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	0.31	0.01	3.23
	(g) N.E.F.A.	DATA NOT AVAILABLE			DATA NOT AVAILABLE			..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	..
	(i) Tripura	..	..	..	..	..	..	8.32	0.26	3.13
	ALL INDIA	363.76	9.05	2.49	1,189.32	104.34	8.77	60,925.63	3,129.79	5.14

*Data for 1970-71 repeated.

TABLE No. 7

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

Sl. No.	State/Power Corporation	PUBLIC SECTOR				PRIVATE SECTOR		TOTAL			
		State Electricity Board		Electricity Departments/ Government Under- takings/Corporation		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)	Installed Plant Capacity @ (MW)	Energy Generated@ (Million kWh)		
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	130.00	584.35	137.93	727.73	..	..	..	..	267.93	1,312.08
2	Assam	65.20	188.93	..	..	..	..	1.51	2.43	66.71	191.36
3	Bihar	..	..	9.60	2.80	..	..	..	..	9.60	2.80
4	Gujarat	..	..	..	..	..	..	..	..	..	..
5	Haryana	408.47	1,651.20	..	..	..	..	..	..	408.47	1,651.20
6	Himachal Pradesh	47.15	137.60	..	..	1.75	11.10	..	..	48.90	148.70
7	Jammu & Kashmir	..	..	40.72	149.91	..	..	..	..	40.72	149.91
8	Kerala	546.50	2,293.07	..	..	..	..	..	..	546.07	2,293.07
9	Madhya Pradesh	143.50	500.80	..	..	..	..	..	..	143.50	500.80
10	Maharashtra	568.32	3,422.10	..	..	..	..	276.00	1,592.39	844.32	5,017.49
11	Manipur ^o	..	..	0.60	2.00	..	..	..	..	0.60	2.00
12	Mysore	206.20	804.94	760.40	4,126.92	..	..	..	..	966.60	4,931.86
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	270.00	1,107.39	34.42	..	..	..	..	..	304.42	1,308.91
15	Punjab	675.70	2,762.90	..	..	..	..	..	..	675.70	2,762.90
16	Rajasthan	326.83	1,241.70	..	..	..	..	..	..	326.83	1,241.70
17	Tamil Nadu	1,224.00	3,749.02	..	..	..	..	..	..	1,224.00	3,749.02
18	Uttar Pradesh	602.15	2,277.72	..	..	4.15	10.69	..	..	606.30	2,288.41
19	West Bengal	20.55	26.98	4.00	13.33	1.96	4.03	..	..	26.51	44.34
20	D.V.C.	..	..	104.00	427.67	..	..	..	..	104.00	427.67
	<i>Union Territories—</i>										
	(a) Delhi	..	..	..	..	..	..	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..	..	..	..	..	..	..
	(c) Chandigarh	..	..	..	..	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	..	..
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
	(i) Tripura	..	..	..	..	..	..	..	..	..	..
	ALL INDIA	5,234.57	20,748.70	1,091.67	5,651.88	7.86	25.82	277.51	1,597.82	6,611.61	28,024.22

^o Data for 1970-71 repeated.

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

TABLE No. 8

Statewise Installed steam capacity @ and Gross Generation @ by ownership (utilities)

Sl. No.	State/Power Corporation	PUBLIC SECTOR						PRIVATE SECTOR		TOTAL	
		State Electricity Board		Electricity Departments/ Government Under- takings/Corporation		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)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	320.00	1,820.11	..	..	..	..	..	..	320.00	1,820.11
2	Assam . . . . .	..	..	..	..	..	..	..	..	..	..
3	Bihar	545.00	1,433.49	..	..	..	..	27.77	92.34	572.77	1,525.83
4	Gujarat	384.50	2,015.53	..	..	..	..	235.10	1,292.76	619.60	3,308.29
5	Haryana	90.60	406.33	..	..	..	..	..	..	90.60	406.33
6	Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..	..
7	Jammu & Kashmir . . . . .	..	..	22.50	23.24	..	..	..	..	22.50	23.24
8	Kerala . . . . .	..	..	..	..	..	..	..	..	..	..
9	Madhya Pradesh	564.50	2,384.80	..	..	..	..	17.50	10.45	582.00	2,395.25
10	Maharashtra	607.50	2,658.79	96.00	112.92	..	..	337.50	1,529.58	1,041.00	4,701.29
11	Manipur . . . . .	..	..	..	..	..	..	..	..	..	..
12	Mysore . . . . .	..	..	..	..	..	..	..	..	..	..
13	Nagaland . . . . .	..	..	..	..	..	..	..	..	..	..
14	Orissa	258.25	516.53	..	..	..	..	..	..	258.25	516.53
15	Punjab	5.00	8.80	10.00	10.60	..	..	..	..	15.00	19.40
16	Rajasthan	169.15	447.36	..	..	..	..	..	..	169.15	447.36
17	Tamil Nadu	361.50	619.39	600.00	2,436.22	..	..	..	..	961.50	3,055.61
18	Uttar Pradesh	766.03	3,706.13	..	..	..	..	48.75	180.95	814.78	3,887.08
19	West Bengal	375.56	1,444.59	285.00	738.85	..	..	510.87	1,810.83	1,171.43	3,994.27
20	D.V.C. . . . .	..	..	957.50	4,041.41	..	..	..	..	957.50	4,041.41
	<i>Union Territories—</i>										
	(a) Delhi . . . . .	..	..	..	..	221.20	1,093.48	..	..	221.20	1,093.48
	(b) Andaman & Nicobar Islands . . . . .	..	..	1.10	1.80	..	..	..	..	1.10	1.80
	(c) Chandigarh . . . . .	..	..	..	..	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..	..
	(f) L. Minicoy & Amindive . . . . .	..	..	..	..	..	..	..	..	..	..
	(g) N.E.F.A. . . . .	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..	..	..	..	..	..	..
	(i) Tripura . . . . .	..	..	..	..	..	..	..	..	..	..
	ALL INDIA (TOTAL)	4,447.59	17,461.85	1,972.10	7,365.04	221.20	1,093.48	1,177.49	5,316.91	7,818.38	31,237.28

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

TABLE No. 9

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

Sl. No.	State/Power Corporation	PUBLIC SECTOR						PRIVATE SECTOR		TOTAL	
		State Electricity Board		Electricity Department/ Govt. Undertakings/ Power Corporation		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)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)	Installed Plant Capacity (MW)	Energy Generated (Million kWh)		
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	20.19 ¹	3.88 ¹	..	..	..	..	..	..	20.19	3.88
2	Assam	105.80 ²	228.64 ²	..	..	..	..	1.94	5.14	187.74	233.78
3	Bihar	13.33	3.88	..	..	..	..	3.07	3.65	16.40	7.53
4	Gujarat	66.80 ³	144.49 ³	..	..	1.10	0.06	6.35	0.61	74.25	145.16
5	Haryana	4.99	2.14	..	..	..	..	..	..	4.99	2.14
6	Himachal Pradesh	1.19	0.02	..	..	1.36	0.02	..	..	2.55	0.04
7	Jammu & Kashmir	..	..	5.94	8.82	..	..	..	..	5.94	8.82
8	Kerala	1.60	..	..	..	..	..	..	..	1.60	..
9	Madhya Pradesh	1.42	0.30	..	..	..	..	0.20	..	1.62	0.30
10	Maharashtra	2.27	0.37	..	..	0.05	0.01	11.77	0.14	14.09	0.52
11	Manipur*	..	..	5.63	5.10	..	..	..	..	5.63	5.10
12	Mysore	0.06	0.02	..	..	..	..	0.59	..	0.65	0.02
13	Nagaland	..	..	2.12	0.64	..	..	..	..	2.12	0.64
14	Orissa	1.05	0.88	..	..	..	..	..	..	1.05	0.88
15	Punjab	15.14	5.25	..	..	..	..	..	..	15.14	5.25
16	Rajasthan	41.72 ⁴	6.87 ⁴	..	..	0.37	..	3.59	3.38	45.68	10.25
17	Tamil Nadu	..	..	..	..	..	..	..	..	..	..
18	Uttar Pradesh	31.37 ⁵	2.55 ⁵	..	..	3.22	0.36	0.45	0.03	35.04	2.94
19	West Bengal	15.93	19.04	..	..	1.14	0.89	0.46	1.16	17.53	21.09
20	D.V.C.	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories—</i>										
	(a) Delhi	..	..	..	..	20.80	7.92	..	..	20.80	7.92
	(b) Andaman & Nicobar Islands	..	..	1.92	3.15	..	..	..	..	1.92	3.15
	(c) Chandigarh	..	..	2.48	0.68	..	..	..	..	2.48	0.68
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	2.04	6.09	2.04	6.09
	(f) L. Minicoy & Amindive	..	..	0.48	0.31	..	..	..	..	0.48	0.31
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
	(i) Tripura	..	..	4.45	8.32	..	..	..	..	4.45	8.32
	ALL INDIA (TOTAL)	322.86	418.33	23.02	27.02	28.04	9.26	30.46	20.20	404.38	474.81

*Data for 1970-71 repeated.

¹Includes 20.00 M.W. of Gas Turbine and 3.86 million kWh generation therefrom respectively.²Includes 31.50 M.W. of Gas Turbine and 219.84 million kWh generation therefrom respectively.³Includes 54.00 M.W. of Gas Turbine and 139.00 million kWh generation therefrom respectively.⁴Includes 10.00 M.W. of Gas Turbine and nil generation therefrom respectively.⁵Includes 12.00 M.W. of Gas Turbine and 1.06 million kWh generation therefrom respectively.

TABLE NO. 10

Installed Capacity (As on 31-3-1972) 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)
Tarapore* (Maharashtra)	210.00	203.00	594.66	542.49
Tarapore* (Gujarat)	210.00	203.00	594.66	542.49
TOTAL	420.00	406.00	1,189.32	1,084.98

*Share of Maharashtra & 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	671.7	669.7	Andhra Pradesh .	70	80.33	388.32
					Orissa .	30	34.42	281.41
2	Tungabhadra Right Bank & Hampi (Hydro)	72.00	321.9	321.0	Mysore .	20	14.40	64.20
3	Chambal Projects (Hydro)— (a) Gandhi Sagar	115.00	441.5	440.6	Andhra Pradesh .	80	57.60	256.81
					Madhya Pradesh	50	57.50	878.23 ¹
					Rajasthan .	50	57.50	
4	(b) Rana Pratap Sagar	192.00	560.1	559.4	Madhya Pradesh	50	86.00	1,098.37
					Satpura (Thermal)	312.50	1,077.0		976.6	Rajasthan .	50	86.00
					Madhya Pradesh	60	187.50	
					Rajasthan .	40	125.00	
5	Bhakra Nangal (Hydro)	1204.50	4868.8	4857.1	Punjab .	84.78x60%	612.70	1,604.60
					Haryana .	84.78x40%	408.47	1,102.24
					Rajasthan .	15.22%	183.33	533.00
					Common Pool Consumer	..	..	969.71
					(a) Nangal Fertilizer	..	..	..
					(b) Himachal Pradesh	..	..	166.33
					(c) Jammu & Kashmir	..	..	54.43
(d) D.E.S.U.	..	..	331.79					
(e) Chandigarh	..	..	95.00					
6	Indraprastha Ext. (Thermal)	187.50	1,102.3	1,021.5	Delhi .	66.67	125.00	696.07
					Haryana .	33.33	62.50	325.29
7	Tarapur Atomic	420.00	1,189.32	1,084.98	Maharashtra .	50.00	210.00	545.92
					Gujarat .	50.00	210.00	539.06

¹Off take of Rajasthan as given here includes supply from Chambal and Satpura. The balance is shown against Madhya Pradesh.

TABLE No. 12

Statewise Aggregate Generation Maximum Demand by Ownership (M.W.)

Sl. 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	464.81	186.00	..	..	..	..	650.81
2	Assam	97.40	..	..	..	..	2.84	100.24
3	Bihar	344.18	3.12	..	..	..	25.25	372.55
4	Gujarat	396.82	..	..	..	0.50	222.80	620.12
5	Haryana	23.55	..	..	..	..	..	23.55
6	Himachal Pradesh	31.50	..	..	..	3.11	..	34.61
7	Jammu & Kashmir . . . . .	..	53.00	..	..	..	..	53.00
8	Kerala	519.40	..	..	..	..	..	519.40
9	Madhya Pradesh	831.70	..	..	..	..	4.20	835.90
10	Maharashtra	1,187.08	..	455.00	..	..	616.97	2,259.05
11	Manipur . . . . .	..	4.05	..	..	..	..	4.05
12	Mysore	70.76	817.60	..	..	..	..	988.36
13	Nagaland . . . . .	..	0.33	..	..	..	..	0.33
14	Orissa	313.42	..	..	..	..	..	313.42
15	Punjab	1,249.59	10.00	..	..	..	..	1,259.59
16	Rajasthan	41.50	..	..	..	..	2.69	44.19
17	Tamil Nadu	1,393.80	..	530.00	..	..	..	1,923.80
18	Uttar Pradesh	1,323.63	..	..	..	4.00	40.26	1,367.89
19	West Bengal	278.23	4.20	175.00	..	1.83	333.07	792.33
20	D.V.C. . . . .	..	..	..	888.50	..	..	888.50
	<i>Union Territories—</i>							
	(a) Delhi . . . . .	..	..	..	..	274.60	..	274.60
	(b) Andaman & Nicobar Islands . . . . .	..	0.81	..	..	..	..	0.81
	(c) Chandigarh . . . . .	..	1.20	..	..	..	..	1.20
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu . . . . .	..	..	..	..	..	1.46	1.46
	(f) Laccadive, Minicoy & Amindive Island . . . . .	..	0.21	..	..	..	..	0.21
	(g) N.E.F.A.							
	(h) Pondicherry . . . . .	..	..	..	..	..	..	..
	(i) Tripura . . . . .	..	3.12	..	..	..	..	3.12
	ALL INDIA	8,667.37	1,083.64	1,160.00	888.50	284.04	1,249.54	13,333.09

TABLE NO. 13

Major Hydro Generating Units Commissioned During 1971-72

Installed at	State/Govt. Deptt./Union Territory	No. of Sets	Capacity of each Set (MW)	Total Capacity (MW)
1	2	3	4	5
Chenam	Jammu & Kashmir	3	4.60	13.80
Sharavathi	Mysore	1	89.10	89.10
U.B.D.C.	Punjab	1	15.00	15.00
Sholayar I	Tamil Nadu	2	35.00	70.00
Kodayar II	Tamil Nadu	1	40.00	40.00

TABLE NO. 14

Steam and Gas Generating Units Commissioned During 1971-72

Installed at	State/Govt. Deptt./Union Territory	No. of Sets	Capacity of each Set	Total Capacity
1	2	3	4	5
1. Patratu	Bihar	1	100.00	100.00
2. Kalakote	Jammu & Kashmir	2	7.50	15.00
3. Parli	Maharashtra	1	30.00	30.00
4. Ennore	Tamil Nadu	1	110.00	110.00
5. Harduaganj B Stage III	Uttar Pradesh	1	55.00	55.00
6. Obra	Uttar Pradesh	1	50.00	50.00

TABLE NO. 15

Boiler Commissioned During 1971-72

Installed at	State	No. of Boilers	Evaporating Capacity of each unit in 1000 kg/hr.	Steam Conditions at the stop valve	
				Pressure in kg/Cm ²	Temperature in °C
1	2	3	4	5	6
1. Patratu	Bihar	2	220.00	90.00	535
2. Kalakote	Jammu & Kashmir	1	38.00	46.00	460
3. Parli	Maharashtra . . . . .	..	11.366	61.50	496
4. Ennore	Tamil Nadu	1	370.00	139.00	570
5. Harduaganj B	Uttar Pradesh	1	260.00	96.00	540
6. Obra	Uttar Pradesh	1	222.00	90.00	515

TABLE NO. 16
Acquisition of Electricity Supply Undertakings

Name of Undertaking	Prior Ownership	Date & Year of Acquisition	By whom Acquired
1	2	3	4
Generating & Distributing . . . . .	..	..	..
<i>Generating, Purchasing and Distributing—</i>			
1. Broach	Company	25-1-72	Gujarat Electricity Board.
2. Ajmer	Company	1-9-71	Rajasthan State Electricity Board.
3. Sirsa	Company	1971-72	Haryana State Electricity Board.
<i>Purchasing and Distributing—</i>			
1. Jharia Coal Field	Company	30-4-71	Bihar State Electricity Board.
2. Nagpur	Company	21-1-72	Maharashtra State Electricity Board.
3. Sangrur	Company	21-3-72	Do.
4. Karad	Company	1-7-71	Do.

TABLE NO. 17

Distribution of Licensee Undertakings into (1) Generation (2) Generating & Purchasing (3) Purchasing & Distribution Statewise

Sl. No.	State	Number of Companies			
		Generating & Distributing	Generating, Purchasing & Distributing	Purchasing & Distributing	Total
1	2	3	4	5	6
1	Andhra Pradesh . . . . .	..	..	..	..
2	Assam . . . . .	..	3	..	3
3	Bihar . . . . .	..	4	5	9
4	Gujarat . . . . .	..	7	15	22
5	Haryana . . . . .	..	..	..	..
6	Jammu & Kashmir . . . . .	..	..	..	..
7	Kerala . . . . .	..	..	3	3
8	Madhya Pradesh . . . . .	..	2	3	5
9	Maharashtra . . . . .	..	5	24	29
10	Mysore . . . . .	..	1	7	8
11	Nagaland . . . . .	..	..	..	..
12	Orissa . . . . .	..	..	..	..
13	Punjab . . . . .	..	..	1	1
14	Rajasthan	2	1	..	3
15	Tamil Nadu . . . . .	..	..	7	7
16	Uttar Pradesh	1	3	12	16
17	West Bengal	1	3	18	22
<i>Union Territories—</i>					
	(a) Delhi . . . . .	..	..	..	..
	(b) Andaman & Nicobar Islands . . . . .	..	..	..	..
	(c) Chandigarh . . . . .	..	..	..	..
	(d) Goa, Daman & Diu	1	..	..	1
	(e) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(f) Himachal Pradesh . . . . .	..	..	..	..
	(g) Laccadive, Minicoy & Amindive Islands . . . . .	..	..	..	..
	(h) Manipur . . . . .	..	..	..	..
	(i) N.E.F.A. . . . .	..	..	..	..
	(j) Pondicherry . . . . .	..	..	..	..
	(k) Tripura . . . . .	..	..	..	..
	TOTAL	5	29	95	129

TABLE NO. 18

Distribution of Municipal Undertakings

Sl. No.	State	Number of Municipalities			Total
		Generating & Distributing	Generating, Purchasing & Distributing	Purchasing & Distributing	
1	2	3	4	5	6
1	Andhra Pradesh . . . . .	..	..	..	..
2	Assam . . . . .	..	..	..	..
3	Bihar . . . . .	..	..	..	..
4	Gujarat . . . . .	..	1	9	10
5	Haryana . . . . .	..	..	..	..
6	Himachal Pradesh . . . . .	..	1	..	1
7	Jammu & Kashmir . . . . .	..	..	..	..
8	Kerala . . . . .	..	..	1	1
9	Madhya Pradesh . . . . .	..	..	..	..
10	Maharashtra . . . . .	..	1	5	6
11	Mysore . . . . .	..	..	..	..
12	Nagaland . . . . .	..	..	..	..
13	Orissa . . . . .	..	..	..	..
14	Punjab . . . . .	..	..	1	1
15	Rajasthan . . . . .	..	1	..	1
16	Tamil Nadu . . . . .	..	..	5	5
17	Uttar Pradesh . . . . .	..	2	11	13
18	West Bengal . . . . .	..	1	..	1
	<i>Union Territories—</i>				
	(a) Delhi . . . . .	..	1	1	2
	(b) Andaman & Nicobar Islands . . . . .	..	..	..	..
	(c) Chandigarh . . . . .	..	..	..	..
	(d) Goa, Daman & Diu . . . . .	..	..	1	1
	(e) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(f) Laccadive, Minicoy & Amindive Islands . . . . .	..	..	..	..
	(g) Manipur . . . . .	..	..	..	..
	(h) N.E.F.A. . . . .	..	..	..	..
	(i) Pondicherry . . . . .	..	..	..	..
	(j) Tripura . . . . .	..	..	..	..
	TOTAL . . . . .	..	8	34	42

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			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)	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	8	9	10	11	12	13
Upto 1.000	..	..	..	2	0.48	0.31	..	..	..	..	..	..
1.001 to 5.000	..	..	..	5	16.07	27.92	..	..	..	..	..	..
5.001 to 10.000	..	..	..	3	25.83	20.50	..	..	..	..	..	..
10.001 to 25.000	..	..	..	..	..	..	..	..	..	..	..	..
25.001 to 50.000	1	48.34	137.62	..	..	..	..	..	..	..	..	..
50.001 to 100.000	..	..	..	2	141.16	503.87	..	..	..	..	..	..
Over 100.000	15	9,956.68	33,491.26	2	860.75	4,734.27	4	1,401.00	4,477.31	1	1,061.50	4,469.08
TOTAL	16	10,005.02	38,628.88	14	1,044.29	5,286.87	4	1,401.00	4,477.31	1	1,061.50	4,469.08

96

Range of Installed Capacity (MW)	Municipality			Companies			Total		
	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)	No. of Under-takings	Aggregate Installed Capacity of the Group (MW)	Total Energy Generated by the Group (M. kWh)
1	14	15	16	17	18	19	20	21	22
Upto 1.000	2	0.42	0.01	11	5.60	6.93	15	6.50	7.25
1.001 to 5.000	4	8.46	18.45	12	28.44	30.99	21	52.97	77.36
5.001 to 10.000	1	6.22	8.70	2	15.07	25.99	6	47.12	55.19
10.001 to 25.000	..	..	..	6	91.10	262.16	6	91.10	262.16
25.001 to 50.000	..	..	..	1	29.75	123.22	2	78.09	260.84
50.001 to 100.000	..	..	..	..	..	..	2	141.16	503.87
Over 100.000	1	242.00	1,101.40	3	1,315.50	6,485.64	26	14,837.43	59,758.96
TOTAL	8	257.10	1,128.56	35	1,485.46	6,934.93	78	15,254.37	60,925.63

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		Government Undertaking		Power Corporation	
	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)
1	2	3	4	5	6	7	8	9
Under 1,000	..	..	4	1.63	..	..	..	..
1,001 to 10,000	..	..	4	23.17	..	..	..	..
10,001 to 25,000	..	..	2	23.93	..	..	..	..
25,001 to 50,000	..	..	..	..	..	..	..	..
50,001 to 100,000	..	..	..	..	..	..	..	..
100,001 to 250,000	1	137.62	1	181.97	1	112.92	..	..
250,001 to 500,000	1	417.57	1	321.90	..	..	..	..
500,001 to 1,000,000	1	804.96	1	671.72	1	738.85	..	..
Above 1,000,000	13	37,268.73	1	4,062.55	2	3,625.54	1	4,469.08
TOTAL	16	38,628.88	14	5,286.87	4	4,477.31	1	4,469.08

37

Range of Generation (M. kWh)	Municipalities		Companies		Total	
	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)
1	10	11	12	13	14	15
Under 1,000	3	0.07	15	1.76	22	3.46
1,001 to 10,000	3	15.97	8	21.36	15	60.50
10,001 to 25,000	1	11.12	2	25.25	5	60.30
25,001 to 50,000	..	..	3	103.58	3	103.58
50,001 to 100,000	..	..	3	174.12	3	174.12
100,001 to 250,000	..	..	1	123.22	4	555.73
250,001 to 500,000	..	..	..	..	2	739.47
500,001 to 1,000,000	..	..	..	..	3	2,215.53
Above 1,000,000	1	1,101.40	3	6,485.64	21	57,012.94
TOTAL	8	1,128.56	35	6,934.93	78	60,925.63

TABLE No. 21

Classification of Undertakings Owning Generation Stations According to the Ranges of Generating Maximum Demand

Range of Maximum Demand (MW)	PUBLIC SECTOR								MUNICIPALITIES	PRIVATE SECTOR		TOTAL		
	State Electricity Board		Government Department		Government Undertakings		Power Corporation			Companies		No. of Undertakings	Aggregate Maximum Demand of the Group	
	No. of Undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate Maximum Demand of the Group		No. of Undertakings	Aggregate Maximum Demand of the Group			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Upto 0.500 . . . . .	..	..	3	0.54	..	..	..	..	4	1.00	13	1.25	20	2.79
0.501 to 1.000 . . . . .	..	..	1	0.81	..	..	..	..	..	..	3	2.22	4	3.03
1.001 to 2.500 . . . . .	..	..	1	1.20	..	..	..	..	1	1.83	6	9.34	8	12.37
2.501 to 10.000 . . . . .	..	..	5	24.49	..	..	..	..	2	6.61	7	47.63	14	78.79
10.001 to 25.000	1	23.55	..	..	..	..	..	..	..	..	3	46.10	4	69.65
25.001 to 50.000	2	73.00	..	..	1	49.00	..	..	..	..	..	..	3	122.00
50.001 to 100.000	1	97.40	2	113.00	..	..	..	..	..	..	..	..	3	210.40
Over 100.000	12	8,473.42	2	943.60	3	1,111.00	1	888.50	1	274.60	3	1,143.00	22	12,834.12
TOTAL	16	8,667.37	14	1,083.64	4	1,160.00	1	888.50	8	284.04	35	1,249.54	78	13,333.09

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	7·27	0·11	12·70	19·94
1·001 to 10·000	21	79·33	1·20	310·34	44·66
10·001 to 50·000	34	1,060·95	16·05	4,070·46	43·80
50·001 to 100·000	13	882·50	13·35	3,758·88	48·62
Over 100·000	17	4,581·56	69·29	19,871·84	49·51
TOTAL	109	6,611·61	100·00	28,024·22	48·39

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	0·49	13·6	5·29	3·36	2·8
1,001 to 10,000 kW	23	136·01	1·74	242·09	912·4	6·71	11·03	20·3
10,001 to 50,000 kW	30	606·30	7·76	1,957·16	3,165·2	5·22	16·03	36·9
50,001 to 100,000 kW	9	688·50	8·81	3,214·84	3,356·8	4·87	22·84	53·3
Above 100,000 kW	26	6,385·00	81·66	25,822·70	26,177·6	4·10	27·41	46·2
TOTAL	92	7,818·38	100·00	31,237·28	33,625·6	4·30	25·46	45·6

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%	21	109.31	189.38
Above 10% & upto 15%	24	729.75	1,860.63
Above 15% & upto 20%	19	1,303.12	4,198.95
Above 20% & upto 25%	5	686.60	3,575.17
Above 25% & upto 30%	15	2,583.10	10,568.07
Above 30%	8	2,406.50	10,845.08
TOTAL	92	7,818.38	31,237.28

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 (Kilolitres)	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	..	..	..	..	..	..	..	..
10.001 to 25.000	4	55.00	30.90	4.92	1,467	0.30	1.02	..
25.001 to 50.000	..	..	..	..	..	..	..	..
50.001 to 100.000	2	123.00	69.10	358.84	460.5 × 10 ⁶ Cub. Metres	1.283 (Cub. Met/ kWh)	33.30	(Natural Gas Turbine)
TOTAL	6	178.00	100.00	363.76	1,467 K. Lit. Diesel & 460.5 × 10 ⁶ Cub Metre 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	421*	15,252.22	99.98	60,922.11
Direct Current	4	2.15	0.02	3.52
TOTAL .	425	15,254.37	100.00	60,925.63

*This does not include number of Diesel Stations of Assam State Electricity Board (24.30 MW) & Uttar Pradesh State Electricity Board (18.87 MW) for want of details.

H=	109
S=	92
D=	217
G=	6
A=	1
	425

TABLE
Analysis of Generating Sets According

Sl. No.	Type of Prime Mover	PUBLIC SECTOR					
		State Electricity Board		Government Department		Government Undertaking	
		No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
1	2	3	4	5	6	7	8
1	Water Turbine A.C. Generator	249	5,234.57	54	987.67	..	..
	D. C. Generator . . . . .	..	..	..	..	..	..
	Sub-TOTAL	249	5,234.57	54	987.67	..	..
2	Steam Turbine A.C. Generator	189	4,443.81	6	33.60	20	981.00
	D.C. Generator . . . . .	..	..	..	..	..	..
	Sub-TOTAL	189	4,443.81	6	33.60	20	981.00
3	Reciprocating Steam Engines A.C. Generator	5	3.78	..	..	..	..
	D.C. Generator . . . . .	..	..	..	..	..	..
	Sub-TOTAL	5	3.78	..	..	..	..
4	Diesel Engines A.C. Generator	391*	144.50	185	23.02	..	..
	D.C. Generator	4*	0.36	..	..	..	..
	Sub-TOTAL	395*	144.86	185	23.02	..	..
5	Gas Turbine A.C. Generator	10	178.00	..	..	..	..
	D.C. Generator . . . . .	..	..	..	..	..	..
	Sub-TOTAL	10	178.00	..	..	..	..
6	Nuclear Turbine A.C. Generator . . . . .	..	..	..	..	2	420.00
	D.C. Generator . . . . .	..	..	..	..	..	..
	Sub-TOTAL . . . . .	..	..	..	..	2	420.00
7	TOTAL :—						
	A. C. Generator	844	10,004.66	245	1,044.29	22	1,401.00
	D.C. Generator	4	0.36	..	..	..	..
	GRAND TOTAL	848	10,005.02	245	1,044.29	22	1,401.00

*This does not include number of Diesel Sets of Assam State Elect. Board (24.30 MW); H.P. State Elect. Board (1.19

No. 27

to Type of Prime Mover and Ownership

PUBLIC SECTOR				PRIVATE SECTOR		TOTAL		Percentage of Total Installed Plant Capacity
Power Corporation		Municipalities		Companies		No. of Sets	Aggregate Capacity (MW)	
No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)			
9	10	11	12	13	14	15	16	17
6	104.00	21	7.86	24	277.51	354	6,611.61	43.34
..
6	104.00	21	7.86	24	277.51	354	6,611.61	43.34
10	957.50	10	221.20	86	1,175.82	321	7,812.93	51.22
..
10	957.50	10	221.20	86	1,175.82	321	7,812.93	51.22
..	..	..	..	6	1.40	11	5.18	0.04
..	..	..	..	3	0.27	3	0.27	Neg.
..	..	..	..	9	1.67	14	5.45	0.04
..	..	38	28.04	86	28.95	700*	224.51*	1.47
..	..	..	..	13	1.52	17*	1.88*	0.01
..	..	38	28.04	99	30.47	717*	226.39*	1.48
..
..	..	..	..	..	..	10	178.00	1.17
..	..	..	..	..	..	2	420.00	2.75
..
..
..	..	..	..	..	..	2	420.00	2.75
16	1,061.50	69	257.10	202	1,483.68	1,398	15,252.22	99.99
..	..	..	..	16	1.79	20	2.15	0.01
16	1,061.50	69	257.10	218	1,485.47	1,418	15,254.37	100.00

MW); Orissa State Elect. Board (1.05 MW); and U.P. State Elect. Board (18.87 MW) for want of details.

TABLE

Classification of Hydro Power Plant

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	47	12.02	15	3.52	..	..
1,001 to 5,000 MW	28	79.30	14	53.40	..	..
5,001 to 10,000 MW	44	353.60	9	79.20	..	..
10,001 to 20,000 MW	48	699.15	5	75.00	..	..
20,001 to 30,000 MW	18	444.50	3	63.75	..	..
30,001 to 50,000 MW	40	1,696.00	..	..	..	..
Over 50,000 MW	24	1,950.00	8	712.80	..	..
Sub-TOTAL	249	5,234.57	54	987.67	..	..
2. D.C. Plant						
TOTAL	249	5,234.57	54	987.67	..	..

TABLE

Classification of Steam Power Plant

Size of Generating Sets	PUBLIC SECTOR					
	State Elec. Board		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						
Upto 1,000 MW	15	10.95	2	1.10	..	..
1,001 to 5,000 MW	74	263.64	..	..	..	..
5,001 to 10,000 MW	16	133.75	4	32.50	..	..
10,001 to 20,000 MW	21	306.25	..	..	6	96.00
20,001 to 30,000 MW	16	480.00	..	..	2	60.00
30,001 to 50,000 MW	19	914.00	..	..	6	300.00
Over 50,000 MW	33	2,339.00	..	..	6	525.00
Sub-TOTAL	194	4,447.59	6	33.60	20	981.00
2. D.C. Plant						
Under 1,000 MW . . . .	..	..	..	..	..	..
TOTAL	194	4,447.59	6	33.60	20	981.00

No. 28

According to the Size of the Sets

PUBLIC SECTOR				PRIVATE SECTOR		TOTAL		PERCENTAGE
Power Corporation		Municipalities		No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)	Percentage of Total Hydro Plant
No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)					
8	9	10	11	12	13	14	15	16
..	..	21	7.86	6	1.51	89	24.91	0.38
2	4.00	..	..	..	..	44	136.70	2.06
..	..	..	..	..	..	53	432.80	6.55
3	60.00	..	..	12	144.00	68	978.15	14.80
..	..	..	..	6	132.00	27	640.25	9.67
1	40.00	..	..	..	..	41	1,736.00	26.26
..	..	..	..	..	..	32	2,662.80	40.28
6	104.00	21	7.86	24	277.51	354	6,611.61	100.00
..
6	104.00	21	7.86	24	277.51	354	6,611.61	100.00

No. 29

According to the Size of the Sets

PUBLIC SECTOR				PRIVATE SECTOR		TOTAL		Percentage of Total Steam Plant
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)	No. of Sets	Aggregate Plant Capacity (MW)			
8	9	10	11	12	13	14	15	16
..	..	..	..	10	4.90	27	16.95	0.22
..	..	1	5.00	42	146.82	117	415.46	5.31
..	..	5	39.60	9	65.50	34	271.35	3.47
..	..	1	15.00	16	252.50	44	669.75	8.57
..	..	..	..	9	270.00	27	810.00	10.36
..	..	1	36.60	2	100.00	28	1,350.60	17.28
10	957.50	2	125.00	4	337.50	55	4,284.00	54.79
10	957.50	10	221.20	92	1,177.22	332	7,818.11	100.00
..	..	..	..	3	0.27	3	0.27	Neg.
10	957.50	10	221.20	95	1,177.49	335	7,818.38	100.00

Neg. = Negligible.

TABLE
Classification of Gas Turbine Power Plant According

Size of the Generating Sets	PUBLIC					
	State Elec. Boards		Govt. Deptts.		Govt. Undertakings	
	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
1	2	3	4	5	6	7
<i>Gas Turbine Plant</i>						
<i>I.A.C. Plant</i>						
Upto 10,000 MW .	3	30.00	..	..	..	..
Above 10,000 MW . . .	7	148.00	..	..	..	..
<i>H.D.C. Plant</i>						
..
SUB-TOTAL . . .	10	178.00	..	..	..	..

TABLE
Classification of Generating Sets

Sl. No.	No. of Phase	Voltage of Generation	Type of Plant	PUBLIC			
				State Electricity Board		Government Departments*	
				No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
1	2	3	4	5	6	7	8
<i>Alternating Current</i>							
1	3	33 kV	H S	....	....	....	....
2	3	10.5 to 13.3 kV	H S G A	188 119 10 ..	5,128.15 4,094.25 178.00 ..	30 1	946.75 10.00
3	3	5 to 6.6 kV	H S	9 48	28.50 281.59	13 3	39.52 22.50
4	3	2 to 3.9 kV	H S	25 22	73.67 63.25	....	....
5	3	400 to 460 V	H S	27 5	4.25 8.50	11 2	1.40 1.10
6	1	230 Volts	H S	....	....	....	....
<i>Direct Current</i>							
7		3 Wire 400--500 V	H S	....	....	....	....
8		2 Wire 220 V	H S	....	....	....	....
		SUB-TOTAL	H S G A	249 194 10 ..	5,234.57 4,447.59 178.00 ..	54 6	987.67 33.60
		Legend	H—Hydro S—Steam G—Gas A—Atomic				

No. 30

to the Size of the Sets (Ownership-wise)

SECTOR				PRIVATE SECTOR		TOTAL		Percentage of Total Plant Capacity
Power Corporation		Municipalities		Companies		No. of Sets	Aggregate Capacity (MW)	
No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)			
8	9	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

SECTOR						PRIVATE SECTOR		TOTAL	
Government Undertakings		Power Corporation		Municipalities		Companies		No. of Sets	Aggregate Capacity (MW)
No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)		
9	10	11	12	13	14	15	16	17	18
..	..	..	..	..	..	10	330.00	10	330.00
..	..	6	104.00	..	..	..	..	224	6,178.90
16	897.00	10	957.50	6	195.80	25	585.00	177	6,739.55
..	..	..	..	..	..	..	..	10	178.00
2	420.00	..	..	..	..	..	..	2	420.00
..	..	..	..	2	1.00	18	276.00	42	345.02
4	84.00	..	..	4	25.40	22	192.00	81	605.49
..	..	..	..	12	3.86	6	1.51	43	79.04
..	..	..	..	..	..	35	70.22	57	133.47
..	..	..	..	7	3.00	..	..	45	8.65
..	..	..	..	..	..	..	..	7	9.60
..
..
..	..	..	..	..	..	3	0.27	3	0.27
..
..
..	..	6	104.00	21	7.86	24	277.51	354	6,611.61
20	981.00	10	957.50	10	221.20	95	1,177.49	335	7,818.38
..	..	..	..	..	..	..	..	10	178.00
2	420.00	..	..	..	..	..	..	2	420.00

TABLE NO. 32
Fuel Consumption

Sl. No.	State	STEAM POWER STATIONS						GAS TURBINE & DIESEL POWER STATIONS		
		Coal (Tonnes)	Furnace Oil (K.L.)	Natural & other Gaseous Fuel Cu-Metres/M. Ton	Heat Input (K. Cal. × 109)	Generation (Million kWh)	Average heat Input in (K. Cal/kWh) on Generated	Oil Consumption (K.L.)	Generation (Million kWh)	Average Oil Consumption Lit./kWh Generated
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . .	1,249,850	8,604	..	5,691.45	1,820.11	3,127	1,947 ^a	88 ^a	0.20
2	Assam . . . . .	..	..	..	..	..	..	4,695 ^a	233.78 ^a	0.34
3	Bihar	800,711	117,399	..	5,238.39	1,525.83	3,433	2,645	7.53	0.35
4	Gujarat	578,478	689,240	142.020 (M. Cu. Metre)	12,062.65	3,308.29	3,645	2,155 ^a	145.16 ^a	0.35
5	Haryana	31,513	..	..	175.52	38.89	4,513	760	2.14	0.36
6	Himachal Pradesh . . . . .	..	..	..	..	..	..	17	0.04	0.43
7	Jammu & Kashmir	15,160	3,265	..	115.63	23.24	4,975	N.A.	8.82	..
8	Kerala . . . . .	..	..	..	..	..	..	..	..	..
9	Madhya Pradesh	2,021,224	14,196	..	9,034.99	2,826.05	3,197	207	0.30	0.69
10	Maharashtra	2,009,474	475,837@	10,966M.T. (Refinery Gas)	15,135.01	4,701.29	3,219	221	0.52	0.43
11	Manipur* . . . . .	..	..	..	..	..	..	2,433	5.10	0.48
12	Mysore . . . . .	..	..	..	..	..	..	7	0.02	0.35
13	Nagaland . . . . .	..	..	..	..	..	..	397	0.64	0.62
14	Orissa	368,593	..	..	2,359.00	516.53	4,567	420	0.88	0.48
15	Punjab	20,241	..	..	115.54	19.40	5,956	2,220	5.25	0.42
16	Rajasthan	27,937	..	..	155.61	16.56	9,397	3,397	10.25	0.33
17	Tamil Nadu	3,436,607@@	27,494	..	9,462.05	3,055.61	3,097	..	..	..
18	Uttar Pradesh	3,043,532	17,672	..	15,548.37	3,887.08	3,999	1,142	2.94	0.59
19	West Bengal	2,546,153	40,094	..	14,657.60	3,994.27	3,670	7,980	21.09	0.38
20	D.V.C.	2,239,308	1,570	..	11,479.22	4,041.41	2,839	..	..	..

<i>Union Territories—</i>									
(a) Delhi	806,240	21,168	..	4,270·33	1,460·92	2,923	2,392	7·92	0·30
(b) Andaman & Nicobar Islands	15,805§	..	..	19·76	1·80	10,978	1,164	3·15	0·37
(c) Chandigarh . . . . .	..	..	..	..	..	..	250	0·68	0·37
(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..
(e) Goa, Daman & Diu . . . . .	..	..	..	..	..	..	3,031	6·09	0·51
(f) L. Minicoy & Amin-dive . . . . .	..	..	..	..	..	..	149	0·31	0·48
(g) N.E.F.A. . . . .	..	..	..	..	..	..	..	..	..
(h) Pondicherry . . . . .	..	..	..	..	..	..	..	..	..
(i) Tripura . . . . .	..	..	..	..	..	..	2,360	8·32	0·28
ALL INDIA TOTAL	19,210,826	1,416,539	..	105,521·12	31,237·28	3,378	39,979	474·81	0·34

@—Includes 469,219 MT of Furnace Oil equivalent of Low+High Sulphur pitch.

@@—Includes 3,017,000 MT of Lignite.

§Wood Fuel.

*Data repeated for 1970-71.

¹Includes 1937 K.L. of Diesel Oil Consumed by Gas Turbine Plant.

²Includes 3.86 Million kWh generated at Euragada Gas Turbine.

³The Gas Turbines at Naharkotia consume Natural Gas. The figure represents therefore the diesel oil used only by diesel engine stations.

⁴Includes 219.84 Million kWh generated by gas turbine Naharkotia.

⁵The gas turbines at Dhuvran consume Natural Gas. The figure represents therefore the diesel oil used only by the diesel engine stations.

⁶Includes 139.00 Million kWh generated by gas turbine Dhuvran.

TABLE No. 33

Utilization of Electricity Generated, Purchased, Sold and Energy Losses—All India Utilities 1971-72

Sl. No.	Item	Energy (Million kWh)	As percentage of Item 5
1	2	3	4
1	Energy generated (gross) (Utilities)	60,925.63	105.2
2	Energy used by power station auxiliaries	3,129.79	5.4
3	Energy generated (Net)=(1)-(2)	57,795.84	99.8
4	Energy purchased from non-utilities.	129.18	0.2
5	Energy available for supply =(3)+(4)	57,925.02	100.00
6	Energy sold to Ultimate consumers	47,063.20	81.2
7	Energy lost in transformation, transmission & distribution & unaccounted (5)-(6).	10,861.82	18.8

TABLE No. 34

Annexure—A

Statement Showing Inter-State Transfer of Power (Region-wise) (1971-72)

Sl. No.	Name of the Supplier	Name of the Purchaser	Maximum Demand	Units Transferred (Million kWh)
1	2	3	4	5
A. Northern Region :				
1	Bhakra Management Board	Punjab State Elec. Board	N.A.	1,595.60
2	Ditto	Haryana State Elec. Board	N.A.	1,102.24
3	Ditto	Rajasthan State Elec. Board	N.A.	533.00
4	Ditto	Delhi Electric Supply Undertaking.	..	331.72
5	Ditto	Jammu & Kashmir	..	54.43
6	Ditto	Himachal Pradesh	N.A.	166.33
7	Ditto	Chandigarh	..	95.00
8	Ditto	Nangal Fertiliser	..	969.71
9	Haryana State Elec. Board	Rajasthan State Elec. Board	..	2.3
10	Ditto	Himachal Pradesh	N.A.	9.95
11	Uttar Pradesh State Elec. Board	Madhya Pradesh State Elec. Board	39.2 MVA	70.19
12	Himachal Pradesh	Punjab State Elec. Board	N.A.	131.6
13	Delhi Electric Supply Undertaking	Uttar Pradesh State Elec. Board	N.A.	3.88
14	Ditto	Haryana State Elec. Board	N.A.	47.57
15	Ditto	Punjab State Elec. Board	N.A.	36.68
16	Rajasthan State Elec. Board	Ditto	N.A.	21.72
B. Western Region :				
17	Gujarat Elec. Board	Dadra & Nagar Haveli	0.49 MVA	1.60
18	Ditto	Goa, Daman & Diu	..	..
		(a) Diu Area	0.23 MVA	0.63
		(b) Daman Area	0.63 MVA	2.47
19	Madhya Pradesh State Elec. Board.	Maharashtra State Electricity Board	0.79 MVA	18.95
20	Maharashtra State Electricity Board.	Madhya Pradesh State Electricity Board	2.34 MVA	11.18
21	Ditto	Govt. of Goa, Daman & Diu	2.64 MVA	2.53
22	Ditto	Gujarat Electricity Board	..	351.23

TABLE No. 34—Contd.

Sl. No.	Name of the Supplier	Name of the Purchaser	Maximum Demand	Units Transferred (Million kWh)
1	2	3	4	5
	<i>G. Southern Region :</i>			
23	Tamil Nadu State Electricity Board.	Kerala State Electricity Board	N.A.	2.52
24	Ditto	Govt. of Pondicherry	22.61	101.23
25	Ditto	Andhra Pradesh State Electricity Board	N.A.	3.59
26	Mysore State Electricity Board	Andhra Pradesh State Electricity Board	100.00 MVA	268.20
27	Ditto	Kerala State Elec. Board	9.10 MVA	0.26
28	Ditto	Tamil Nadu State Electricity Board	230 MVA	187.0
29	Kerala State Electricity Board	Ditto	172 MW	340.32
30	Ditto	Pondicherry	0.44 MVA	..
31	Ditto	Mysore . . . . .	..	0.12
	<i>D. Eastern Region :</i>			
32	Bihar State Elec. Board (Patratu). @	Damodar Valley Corporation	N.A.	55.05
33	West Bengal State Elec. Board (Bandel).@	Ditto	N.A.	1.05
34	Durgapur Project Ltd. @	Ditto	N.A.	60.18
35	West Bengal State Elec. Board	Bihar State Electricity Board	0.98 MVA	1.16
36	Damodar Valley Corpn. @	Durgapur Project Ltd.	N.A.	59.41
37	Damodar Valley Corpn. @	Uttar Pradesh State Elec. Board	N.A.	Nil
38	Ditto @	Bihar State Elec. Board	N.A.	130.13
39	Ditto@	West Bengal State Elec. Board . . . . .	..	{ 28.90 167.60
40	Damodar Valley Corpn.	Bihar State Elec. Board (in Bulk)	N.A.	934.5
41	Ditto	Sijua Jharia Co.	N.A.	201.40
42	Ditto	Dishergarh Co. Calcutta and Seebpur	N.A.	894.67
	<i>E. North Eastern Region :</i>			
43	Assam State Elec. Board	Govt. of Nagaland	N.A.	5.72
44	Ditto	Tripura	0.38 MVA	1.88
	<i>F. Inter Regional Transfer of Power</i>			
	<i>(a) Western Region</i>		<i>Northern Region</i>	
45	Madhya Pradesh State Elec. Board.	Bhakra Management Board . . . . .	..	22.03
46	Madhya Pradesh State Elec. Board.	Rajasthan State Elec. Board	N.A.	3.5
47	Madhya Pradesh State Elec. Board.	Uttar Pradesh State Elec. Board	N.A.	111.70
	<i>(b) Southern Region</i>		<i>Western Region</i>	
48	Mysore State Elec. Board	Goa, Daman & Diu	16.8 MVA	91.1
49	Ditto	Maharashtra State Elec. Board	70.10 MVA	198.16

@Through Inter-connected system.

NOTE.—D.V.C. treated as a separate entity for the purpose of this Table.

TABLE NO. 34—*Concl'd.*

Sl. No.	Name of the Supplier	Name of the Purchaser	Maximum Demand	Units Transferred (Million kWh)
1	2	3	4	5
	<i>(c) Eastern Region</i>	<i>Western Region</i>		
50	Orissa State Elec. Board . . .	Bihar State Elec. Board	N.A.	0.27
	<i>(d) Northern Region</i>	<i>Eastern Region</i>		
51	Uttar Pradesh State Elec. Board	Bihar State Elec. Board	22.3	93.40
52	Uttar Pradesh State Elec. Board@	Damodar Valley Corpn. . . . .	..	..
	<i>(e) Eastern Region</i>	<i>Northern Region</i>		
53	Bihar State Elec. Board . . .	Uttar Pradesh State Elec. Board	N.A.	222.24
54	D.V.C.	Ditto	N.A.	
	Bihar	Nepal . . . . .	..	0.79

TABLE No. 35
Statewise Energy Generation, Purchase, Utilisation and Losses
(Utilities) 1971-72

Sl. No.	State	Energy Generated from Power Houses other than jointly owned (Net) (Million kWh)	Energy received from (M. kWh)			Energy available for distribution with in the State and for inter-State sale (Million kWh) (3+4+5+6)	Energy sent out to/sold to			Transformation, Transmission, Distribution losses and energy unaccounted for	
			Jointly owned Projects/DVE including losses	Self Generating Industries	Outside the State (As purchase)		Other States	Ultimate consumers	Total (8+9)	Million kWh (7-10)	% of col. 7
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	2,267.46	645.13	..	271.79	3,184.38	..	2,329.80	2,329.80	854.58	26.84
2	Assam	413.92	..	..	..	413.92	7.60	336.51	344.11	69.81	16.87
3	Bihar	1,356.39	2,827.73	6.28	94.83	4,285.23	884.12	2,749.04	3,633.16	652.07	15.22
4	Gujarat	3,202.02	539.06	122.90	351.23	4,215.21	4.70	3,534.54	3,539.24	675.97	16.04
5	Haryana	36.27	1,427.53	..	47.57	1,511.37	12.22	1,068.16	1,080.38	430.99	28.52
6	Himachal Pradesh	146.73	166.35	..	9.95	323.01	131.60	152.47	284.07	38.94	12.06
7	Jammu & Kashmir	175.01	..	..	54.43	229.44	..	187.00	187.00	42.44	18.50
8	Kerala	2,275.74	..	..	2.78	2,278.52	340.44	1,543.99	1,884.43	394.09	17.29
9	Madhya Pradesh	1,579.69	1,098.37	..	81.37	2,759.43	152.68	2,075.83	2,228.51	530.92	19.24
10	Maharashtra	9,319.39	545.92	..	217.11	10,082.42	364.94	8,441.41	8,806.35	1,276.07	12.66
11	Mysore	4,852.61	64.20	..	0.12	4,916.93	744.72	3,392.18	4,136.90	780.03	15.86
12	Manipur	6.90	..	..	..	6.90	..	5.38	5.38	1.52	22.03
13	Nagaland	0.62	..	..	5.72	6.34	..	5.84	5.84	0.50	7.89
14	Orissa	1,546.05	281.41	..	..	1,827.46	0.27	1,740.31	1,740.58	86.88	4.75
15	Punjab*	307.10	2,628.74	..	190.00	3,125.84	54.43	2,315.18	2,369.61	756.23	24.19
16	Rajasthan	24.75	1,411.23	..	24.30	1,460.28	21.72	1,093.62	1,115.34	344.94	23.62
17	Tamil Nadu	6,440.36	..	..	527.32	6,967.68	107.34	5,532.99	5,640.33	1,327.35	19.05
18	Tripura	8.06	..	..	1.88	9.94	..	8.50	8.50	1.44	14.48
19	Uttar Pradesh	5,809.87	..	..	337.82	6,147.69	163.59	4,376.95	4,540.54	1,607.15	26.14
20	West Bengal	3,732.67	1,197.19	..	661.88	5,591.74	1.16	4,841.59	4,842.75	748.99	13.39
<i>Union Territories—</i>											
	(a) Delhi	326.95	1,027.86	..	..	1,354.81	88.13	1,082.98	1,171.11	183.70	13.56
	(b) Andaman & Nicobar Islands	4.63	..	..	..	4.63	..	3.14	3.14	1.49	32.18
	(c) Chandigarh	0.68	95.00	..	..	95.68	..	72.12	72.12	23.56	24.62
	(d) Dadra & Nagar Haveli	..	..	..	1.60	1.60	..	1.04	1.04	0.56	35.00
	(e) Goa, Daman & Diu	5.96	..	..	96.73	102.69	..	85.08	85.08	17.61	17.15
	(f) Laccadive, Minicoy & Amindive Islands	0.29	..	..	..	0.29	..	0.24	0.24	0.05	17.24
	(g) N.E.F.A.	..	DATA NOT AVAILABLE			..	..	..	..	..	..
	(h) Pondicherry	..	..	..	101.23	101.23	..	87.31	87.31	13.92	13.75
	ALL INDIA	43,840.12	13,955.70	129.18	3,079.66	61,004.66	3,079.66	47,063.20	50,142.86	10,861.80	18.75

*Nangal Fertilizers have been taken as a consumer of Punjab State Electricity and sales to Nangal Fertilizers & I.B. have been taken as purchase by Punjab State from utilities outside the S

TABLE NO. 36

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

Sl. No.	Electricity boards and D.E.S.U.	Energy Generated from Power Houses other than jointly Owned (net) (Million kWh)	Energy Received from (Million kWh)			Energy Available for Supply (including Sales outside the States) (Million kWh)	Energy Sold (Million kWh)			Transformation, Transmission, Distribution & un-accounted for Losses	
			Utilities within the State and jointly Owned	Utilities outside the State	Self Generating Industries		Licenses within the State	Other State	Ultimate Consumers	(Million kWh)	%
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	2,267.47	645.19	271.79	..	3,184.38	..	..	2,929.80	854.58	26.84
2	Assam	406.69	..	..	..	406.69	18.14	7.60	919.80	67.15	16.51
3	Bihar	1,265.29	1,064.65	94.83	0.46	2,425.23	202.20	222.24	1,469.16	534.58	22.04
4	Gujarat	1,983.38	563.22	351.23	122.90	3,020.73	420.57	4.70	2,044.27	551.19	18.25
5	Haryana	36.27	1,427.53	47.57	..	1,511.37	2.00	12.22	1,066.22	490.93	28.51
6	Himachal Pradesh	135.91	..	176.28	..	312.19	25.14	131.60	116.68	38.77	18.50
7	Jammu & Kashmir	175.01	..	54.43	..	229.44	..	..	187.00	42.44	18.50
8	Kerala	2,275.74	..	2.78	..	2,278.52	59.17	340.42	1,501.88	377.05	16.50
9	Madhya Pradesh	1,570.68	1,098.37	81.37	..	2,750.42	152.68	75.32	2,006.77	515.65	18.75
10	Maharashtra	5,830.71	977.53	217.11	..	7,025.35	2,749.22	864.94	2,973.81	937.38	19.30
11	Mysore	799.63	4,117.20	0.12	..	4,916.95	53.50	744.72	3,352.46	766.27	15.59
12	Orissa	1,546.05	266.80	..	..	1,812.85	..	0.27	1,740.31	72.27	3.99
13	Punjab	297.50	1,668.63	189.00	..	2,155.13	97.00	54.43	1,267.91	735.79	34.14
14	Rajasthan	21.52	1,411.23	24.30	..	1,457.05	39.06	21.72	1,065.40	330.87	22.69
15	Tamil Nadu	4,272.40	1,922.03	527.32	..	6,721.75	513.23	107.34	4,834.18	1,257.00	18.70
16	Uttar Pradesh	5,632.26	..	338.22	..	5,970.48	413.37	163.59	3,909.04	1,484.48	24.86
17	West Bengal	1,373.97	704.32	..	..	2,078.29	818.43	1.16	1,098.69	160.00	7.70
	<i>Union Territories—</i>										
18	D.E.S.U.	326.95	696.07	331.7	..	1,354.81	261.39	88.13	837.84	167.48	12.36

TABLE No. 37

Energy Sales 1971-72 (Category-Wise)

Sl. No.	Category	Energy Sold in 1971-72 (M. kWh)	Percentage to Total Sales	Energy Sold in 1970-71 (M. kWh)	Percentage increase over Year 1970-71
1	2	3	4	5	6
1.	Domestic	4,107.46	8.7	3,839.76	7.0
2.	Commercial	2,942.78	6.3	2,572.66	14.4
3.	Industrial Power	31,637.18	67.2	29,579.10	7.0
4.	Public Lighting	490.81	1.1	492.66	(-) 1.8
5.	Railways/Tramways	1,632.69	3.5	1,364.57	19.6
6.	Agricultural	5,005.62	10.6	4,470.23	12.0
7.	Public Water Works & Sewage Pumping	1,008.64	2.1	1,016.51	(-) 0.8
8.	Miscellaneous	238.02	0.5	381.67	(-) 37.6
	TOTAL	47,063.20	100.0	43,724.16	7.6

ENERGY SALES IN 1971-72

COMMERCIAL LIGHT &
SMALL POWER 6.3%
2942.78 MILLION KWh.

DOMESTIC LIGHT &
SMALL POWER 8.7%
4107.46 MILLION KWh.

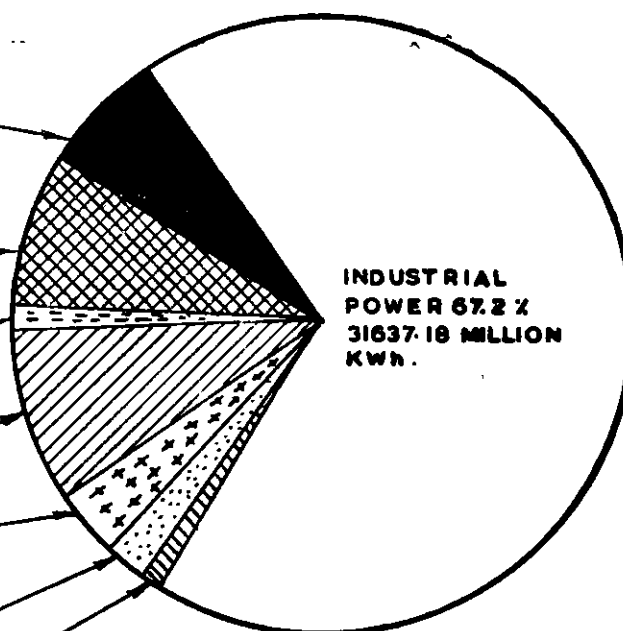
PUBLIC LIGHTING 1.1%
490.81 MILLION KWh.

IRRIGATION & DEWATERING
10.6% 5005.62 MIL. KWh.

RAILWAYS / TRAMWAYS 3.5%
1632.69 MILLION KWh.

PUBLIC WATER WORKS &
SEWAGE PUMPING 2.1%
1008.64 MILLION KWh.

MISCELLANEOUS 0.5%
238.02 MILLION KWh.



TOTAL SALES DURING THE YEAR

47063.20 MILLION KWh.

TABLE No. 38

Statewise Energy Sales by Utilities to Ultimate Consumers 1971-72 (Million kWh)

Sl. No.	State	Total Sold to Ultimate Consumers	Domestic	Commercial	Industrial Power at Low & Medium Voltage	Industrial Power at High Voltage	Public Lighting	Traction	Agricultural	Public Water Works & Sewage Pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	2,329.80	201.30	308.70	172.90	1,098.60	39.20	..	505.60*	..*	3.50
2	Assam	336.51	44.66	72.18	50.44	157.56	4.92	..	0.50	4.50	1.75
3	Bihar @	2,749.04	97.33	97.45	166.78	1,907.07	5.80	372.97	56.00	37.29	8.35
4	Gujarat	3,534.54	259.00	113.32	405.72	2,176.17	37.71	..	421.28	106.39	14.95
5	Haryana	1,068.16	71.98	62.60	163.62	395.58	4.28	..	366.50*	..*	3.60
6	Himachal Pradesh	152.47	23.60	17.19	20.87	5.13	1.39	..	1.02	15.38	67.89**
7	Jammu & Kashmir	187.00	70.00	19.00	66.00	..	3.50	..	11.00	17.50	..
8	Kerala	1,543.99	106.04	77.80	133.53	1,123.06	24.55	..	66.93	12.05	0.03
9	Madhya Pradesh	2,075.83	161.39	93.39	182.01	1,399.04	25.46	58.05	86.08	70.41	..
10	Maharashtra	8,441.41	778.60	662.21	768.87	4,910.42	77.55	361.44	412.13	170.16	0.03
11	Manipur (R)	5.38	3.86	0.13	1.09	..	0.28	..	..	0.02	..
12	Mysore	3,392.18	279.31	77.64	332.25	2,347.81	92.03	..	203.04	90.08	0.02
13	Nagaland	5.84	3.20%	%	0.23	0.22	0.45	..	Neg.	0.32	1.42
14	Orissa	1,740.31	35.51	63.51	41.05	1,490.55	5.38	58.55	5.39	19.87	20.50
15	Punjab	2,315.18	156.36	119.20	270.48	1,192.68@@	6.95	..	556.42*	4.64*	8.45
16	Rajasthan	1,093.62	77.89	62.82	126.33	582.82	10.48	..	154.37	60.06	18.85
17	Tamil Nadu	5,532.99	357.51	434.91	415.46	€2,752.01	92.06	£0.14	1,402.83	49.19	28.88
18	Tripura	8.50	5.27	0.60	1.95	..	0.15	..	0.03	0.50	..
19	Uttar Pradesh	4,376.95	386.40	122.61	705.89	2,157.33	27.94	130.29	703.81	93.88	48.80
20	West Bengal	4,841.59	644.72	273.34	290.54	3,072.69	34.91	351.18	19.85	143.69	10.67
Union Territories—											
	(a) Andaman & Nicobar Islands	3.14	1.99	0.21	0.59	..	0.10	..	..	0.25	..
	(b) Chandigarh	72.12	17.43	17.02	30.67	%%	1.43	..	1.48	4.09	..
	(c) Dadra & Nagar Haveli	1.04	0.02	0.17	0.11	0.50	0.07	0.07	0.08	0.02	..
	(d) Delhi	1,082.98	309.40	236.47	94.45	316.59	21.47	..	5.70	98.90	..
	(e) Goa, Daman & Diu	85.08	8.37	5.33	4.73	59.01	1.30	..	0.18	5.83	0.33
	(f) L. Minicoy & Amindive Islands	0.24	0.10	0.05	0.08	..	0.01	..	..	..	..
	(g) Pondicherry	87.31	6.22	4.93	5.92	39.78	1.44	..	25.40	3.62	..
	\$ ALL INDIA TOTAL	47,063.20	4,107.46	2,942.78	4,452.56	27,184.62	490.81	1,632.69	5,005.62	1,008.64	238.02

£ Traction consumption of TNEB is included in Industrial (H.V.) Consumption.

@ Sales to ultimate consumers by DVC in Bihar included.

@@ Includes N.F.F.

* Public Water Works Consumption in Board is included in Agricultural.

** Includes supply to Power Projects in H.P.

% Commercial consumption included in Domestic.

(R) Figures of last year repeated due to non-availability of data.

% % Figures not reported by the concerned authorities.

\$ Totals may not tally due to rounding of figures.

TABLE NO. 39

Energy Sales by the State Electricity Boards 1971-72

(Million kWh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at Low & Medium Voltage	Industrial Power at High Voltage	Public Lighting	Traction	Agricultural	Public Works & Sewage Pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	2,329.80	201.30	308.70	172.90	1,098.60	39.20	..	505.60 @	@	8.50
2	Assam	313.80	37.50	66.05**	46.00	153.30	4.20	..	0.50	4.50	1.75
3	Bihar	1,469.16	57.69	49.47	143.18	906.42	2.98	229.44	54.22	25.76	-
4	Gujarat	2,044.27	127.61	24.74	203.40	1,224.61	20.36	..	403.85	39.70	-
5	Haryana	1,066.22	71.48	62.00	162.88	395.58	4.21	..	366.47@	@	3.60
6	Himachal Pradesh	116.68	19.60	13.99	14.87	1.13	1.02	..	1.02	1.99	63.06@@
7	Jammu & Kashmir	187.00	70.00	19.00	66.00	..	3.50	..	11.00	17.50	..
8	Kerala	1,501.88	98.08	73.25	116.13	1,114.09	21.80	..	66.91	11.62	..
9	Madhya Pradesh	2,006.77	150.15	81.64	169.68	1,371.27	23.44	58.05	85.86	66.68	..
10	Maharashtra	2,973.81	201.81	192.69	211.70	1,712.34	38.53	66.67	408.52	141.55	..
11	Mysore	3,352.46	265.01	72.15	320.11	2,346.92	60.14	..	202.13	86.00	..
12	Orissa	1,740.31	35.51	63.51	41.05	1,490.55	5.38	58.55	5.39	19.87	20.50
13	Punjab	1,267.91	136.24	105.85	244.09	220.23*	5.29	..	556.21@	@	..
14	Rajasthan	1,065.40	70.88	58.49	121.30	75.24	9.82	..	153.64	57.49	18.54
15	Tamil Nadu	4,834.18	274.07	369.34	314.78	2,388.29£	71.61	£	1,355.61	34.98	25.50
16	Uttar Pradesh	3,909.04	264.41	54.33	535.40	2,109.43	17.11	129.58	693.57	57.12	48.09
17	West Bengal	1,098.69	42.81	79.45	68.73	604.24	4.41	263.39	19.83	5.67	10.16
	TOTAL\$	31,277.38	2,124.15	1,694.65	2,952.20	17,712.24	333.00	805.68	4,890.33	570.43	194.70

£Traction consumption included in Industrial (H.V.) consumption.

*Consumption by NFF is not taken under P.S.E.B.

@Consumption in Public Works included in Agricultural.

@@Includes Supply to Power Project in H.P.

**Energy consumption by Tea & Gardens has been taken in Commercial Cat.

\$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 1971-72

(Million kWh)

Sl. No.	State	Total sold to Ultimate Consumers	Domestic	Commercial	Industrial Power at Low & Medium Voltage	Industrial Power at High Voltage	Public Lighting	Traction	Agricultural	Public Water Works and Sewage Pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
<i>A. Municipalities</i>											
1	Gujarat	101.91	30.53	2.82	12.83	43.93	2.87	..	5.40	3.48	0.05
2	Himachal Pradesh	35.79	4.00	3.20	6.00	4.00	0.37	..	..	13.39	4.83
3	Kerala (R)	7.62	3.67	0.60	2.77	..	0.58	..	..	..	..
4	Maharashtra	1,078.63	349.12	334.33	214.58	145.72	20.79	..	0.50	13.58	0.01
5	Punjab	74.17	18.38	12.69	25.53	2.32	1.55	..	0.11	4.64	8.45
6	Rajasthan	..	..	DATA NOT AVAILABLE			..	..	..	..	..
7	Tamil Nadu	100.01	17.71	31.55	27.76	13.60	3.23	..	1.21	2.16	2.79
8	Uttar Pradesh	101.82	36.95	21.57	28.01	1.81	3.84	..	0.37	9.27	Neg.
9	Delhi (DESU & NDMC)	1,082.98	309.40	236.47	94.45	316.55	21.47	..	5.70	98.90	..
10	Goa, Daman & Diu	..	..	DATA NOT AVAILABLE			..	..	..	..	..
<i>B. Corporations & Govt. Departments</i>											
	D.V.C.—Bihar	898.57	..	0.02	..	747.33	..	143.53	..	..	7.69
	West Bengal	686.54	..	0.01	..	631.72	..	54.59	..	..	0.22
	Bhakra Management Board—Punjab	969.71	..	..	..	969.71	..	..	..	..	..
<i>States</i>											
	Manipur	5.38	3.86	0.13	1.09	..	0.28	..	..	0.02	..
	Maharashtra (Chola)	291.59	..	36.98	..	..	..	254.61	..	..	..
	Nagaland	5.84	3.20	..	0.23	0.22	0.45	..	Neg.	0.32	1.42
	Tamil Nadu (Neveyl)	278.01	4.13	1.29	0.02	267.17	0.80	..	..	4.60	..
	Tripura	8.50	5.27	0.60	1.95	..	0.15	..	0.03	0.50	..
	West Bengal	147.71	2.34	0.46	1.00	135.00	0.10	0.31	Neg.	8.50	..
<i>Union Territories</i>											
	Andaman & Nicobar Islands	3.14	1.99	0.21	0.59	..	0.10	..	..	0.25	..
	Chandigarh	72.12	17.43	17.02	30.67	..	1.43	..	1.48	4.09	..
	Dadra & Nagar Haveli	1.04	0.02	0.17	0.11	0.50	0.07	0.07	0.08	0.02	..
	Goa, Daman & Diu	80.08	8.37	5.33	4.73	54.01	1.30	..	0.18	5.83	0.33
	Laccadive & Minicoy	00.29	0.13	0.07	0.08	..	1.40	..	..	..	..
	Pondicherry	87.31	6.22	4.93	5.92	39.78	1.44	..	25.40	3.62	..
	TOTAL	6,118.76	823.22	710.45	458.32	3,373.41	60.83	453.11	40.46	173.17	25.79

(R)—Repeated

Total may not tally due to rounding off.

TABLE NO. 41
Energy Sales by Private Sector 1971-72

(Million kWh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at Low and Medium Voltage	Industrial Power at High Voltage	Public Lighting	Traction	Agricultural	Public Water Works & Sewage Pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	..	..	..	..	..	..	..	..	..	..
2	Assam	23.00	7.16	6.13	4.44	4.55	0.72	..	..	..	..
3	Bihar	381.30	39.64	47.95	23.60	253.32	2.82	..	1.78	11.53	0.66
4	Gujarat	1,388.36	1,00.83	85.76	189.49	907.62	14.47	..	12.03	63.22	14.94
5	Haryana	1.94	0.50	0.60	0.74	..	0.07	..	0.03	..	..
6	Himachal Pradesh	..	..	..	..	..	..	..	..	..	..
7	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..
8	Kerala	34.49	4.29	3.95	14.63	8.97	2.17	..	0.02	0.43	0.03
9	Madhya Pradesh	69.05	11.24	11.74	12.33	27.77	2.02	..	0.22	3.73	..
10	Maharashtra	4,097.38	227.66	98.21	342.59	3,052.37	18.26	340.17	3.07	15.02	0.03
11	Manipur	..	..	..	..	..	..	..	..	..	..
12	Meghalaya	..	..	..	..	..	..	..	..	..	..
13	Mysore	39.73	14.30	5.49	12.14	0.89	1.89	..	0.91	4.08	0.03
14	Nagaland	..	..	..	..	..	..	..	..	..	..
15	Orissa	..	..	..	..	..	..	..	..	..	..
16	Punjab	3.38	1.24	0.66	0.86	0.42	0.11	..	0.09	..	..
17	Rajasthan@@	28.22	7.02	4.32	5.03	6.58	0.66	..	1.73	2.57	0.31
18	Tamil Nadu	320.74	61.61	32.73	72.90	82.94	16.43	0.14	46.01	7.45	0.53
19	Tripura	..	..	..	..	..	..	..	..	..	..
20	Uttar Pradesh@	366.09	85.05	46.71	142.47	46.09	7.00	0.72	9.86	27.49	0.70
21	West Bengal	2,902.83	596.05	192.07	220.02	1,701.73	29.97	33.20	0.02	129.27	0.51
	TOTAL	9,656.52	1,156.59	536.32	1,041.24	6,093.25	96.59	374.23	75.77	264.79	17.74

@Renusagar taken in non-utility so excluded.

@@The Ajmer Electric Supply Co. has been taken over due to which the sales figures have come down.

TABLE NO. 42

Annual Per Capita Consumption of Electricity 1971-72

Sl. No.	State	Population (Million) Mid Financial (based on 1972 Census)	UTILITIES					kWh from Self generation of Non-utilities	Total Col. 9 + 10	
			Domestic	Commercial	Industrial including Public Water works & Misc. and Traction	Public Lighting	Agricultural			Total
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	44.25	4.55	6.98	28.81	0.88	11.43	52.65	4.84	57.49
2	Assam	15.41	2.91	4.68	13.90	0.32	0.03	21.84	3.29	25.13
3	Bihar	57.37	1.70	1.70	43.44	0.10	0.98	47.92	17.55	65.47
4	Gujarat	27.36	9.47	4.14	98.80	1.38	15.40	129.19	10.78	139.97
5	Haryana	10.19	7.06	6.14	55.23	0.42	35.97	104.82	6.66	111.48
6	Himachal Pradesh	3.46	6.82	4.97	31.58	0.40	0.29	44.06	..	44.06
7	Jammu & Kashmir	4.71	14.86	4.03	17.73	0.74	2.34	39.70	..	39.70
8	Kerala	21.78	4.87	3.57	58.25	1.13	3.07	70.89	3.20	74.09
9	Madhya Pradesh	42.70	3.78	2.19	40.03	0.59	2.02	48.61	9.52	58.13
10	Maharashtra	51.46	15.13	12.87	126.50	1.50	8.01	164.01	3.98	167.99
11	Manipur	1.10	3.51	0.12	1.01	0.25	..	4.89	..	4.89
12	Mysore	29.86	9.35	2.60	92.77	2.08	6.80	113.60	1.72	115.32
13	Nagaland	0.53	6.04	..	4.13	0.85	..	11.02	..	11.02
14	Orissa	22.39	1.59	2.84	72.82	0.24	0.24	77.73	19.42	97.15
15	Punjab	13.73	11.39	8.68	107.52	0.51	40.53	168.63	0.07	168.70
16	Rajasthan	26.34	2.96	2.38	29.92	0.40	5.86	41.52	11.31	52.83
17	Tamil Nadu	41.92	8.53	10.37	77.43	2.20	33.46	131.99	2.52	134.51
18	Tripura	1.59	3.32	0.38	1.54	0.10	0.01	5.35	..	5.35
19	Uttar Pradesh	89.87	4.30	1.36	34.90	0.31	7.83	48.70	10.99	59.69
20	West Bengal	45.44	14.19	6.02	85.13	0.77	0.44	106.55	8.41	114.96
<i>Union Territories—</i>										
	(a) Delhi	4.24	72.97	55.78	120.27	5.06	1.34	255.42	27.63	283.05
	(b) Andaman & Nicobar Islands	0.118	16.87	1.78	7.10	0.86	..	26.61	..	26.61
	(c) Chandigarh	0.263	66.27	64.71	132.17	5.44	5.63	274.22	..	274.22
	(d) Dadra & Nagar Haveli	0.076	0.26	2.24	9.29	0.91	1.05	13.68	..	13.68
	(e) Goa, Daman & Diu	0.88	9.51	6.06	79.43	1.48	0.20	96.68	0.07	96.75
	(f) L. Minicoy & Amindive	0.033	3.03	1.52	2.42	0.30	..	7.27	..	7.27
	(g) Pondicherry	0.48	12.85	10.19	101.90	2.98	52.48	180.40	..	180.40
	ALL INDIA@	557.554	7.37	5.24	61.89	0.88	8.98	84.36	9.42	93.78

@—Includes Meghalaya, Mizoram & Arunachal Pradesh.

PER CAPITA CONSUMPTION OF ELECTRICITY (KWh.)

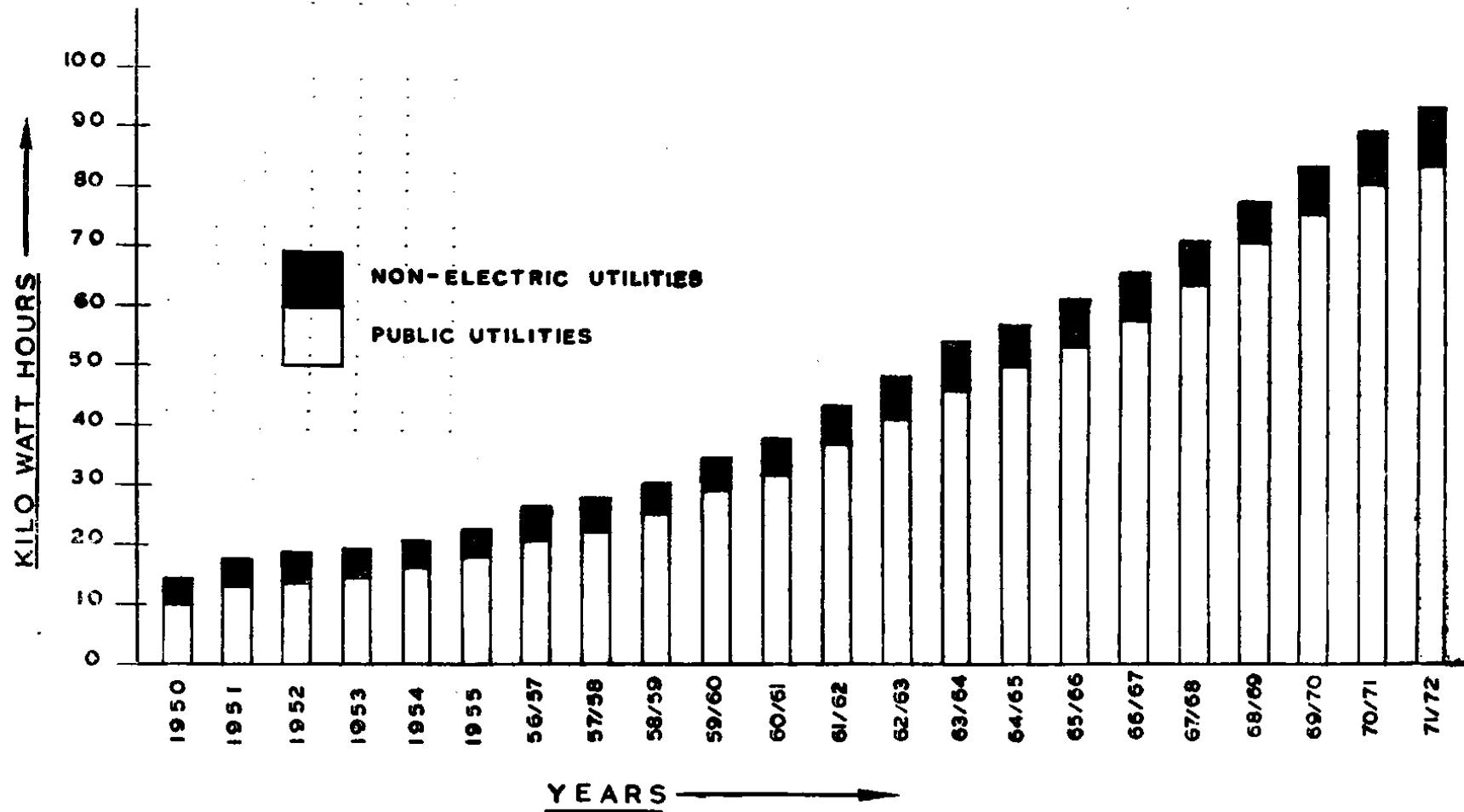


TABLE No. 43

Installed Plant Capacity@ (as on 31-3-1972) and Energy Consumption (1971-72) 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	Installed Capacity per square Kilometre	Total Energy consumed (kWh)	Energy consumed per thousand of population (kWh) (Col. 8 ÷ Col. 3)	Energy consumed per Square Kilometre Wh) (Col. 8 ÷ Col. 4)
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	44.25	275.28	608.12	13.74	2.2	2,329.80	52,651	8,463
2	Assam	15.41	121.97	174.45	11.32	1.4	336.51	21,837	2,758
3	Bihar	57.37	174.04	1,310.27	22.83	7.5	2,749.04**	47,918	15,795
4	Gujarat	27.36	187.11	903.85	33.03	4.8	3,534.54	129,186	18,890
5	Haryana	10.19	44.06	504.06	49.46	11.4	1,068.16	104,824	24,243
6	Himachal Pradesh	3.46	55.66	51.45	14.86	0.9	152.47	44,066	2,739
7	Jammu & Kashmir	4.71	222.80	69.16	14.68	0.3	187.00	39,703	839
8	Kerala	21.78	38.85	548.10	25.16	14.1	1,543.99	70,890	39,742
9	Madhya Pradesh	42.70	443.45	727.12	17.02	1.6	2,075.83	48,614	4,681
10	Maharashtra	51.46	307.45	2,109.41	40.99	6.8	8,441.41	164,038	27,434
11	Manipur	1.10	22.35	6.23	5.66	0.3	5.38	4,891	241
12	Mysore	29.86	192.20	967.25	32.39	5.0	2,392.18	113,603	17,645
13	Nagaland	0.53	16.49	2.12	4.00	0.12	5.84	11,019	354
14	Orissa	22.39	155.82	563.72	25.17	3.6	1,740.31	77,727	11,169
15	Punjab	13.73	50.38	705.84	51.40	14.0	2,315.18	168,621	45,954
16	Rajasthan	26.34	342.27	541.66	20.56	1.6	1,093.62	41,519	3,195
17	Tamil Nadu	41.92	130.36	2,185.50	52.13	16.7	5,532.99	131,989	42,444
18	Tripura	1.59	10.45	4.45	2.80	0.4	8.50	5,346	813
19	Uttar Pradesh	89.87	294.36	1,456.12	16.20	4.9	4,376.95	48,703	14,869
20	West Bengal	45.44	87.62	1,565.47	34.45	17.8	4,841.59**	106,549	55,257
<i>Union Territories—</i>									
	(a) Delhi	4.24	1.48	242.00	57.07	163.5	1,082.98	255,419	731,743
	(b) Chandigarh	0.263	0.11	2.48	9.40	22.5	72.12	274,221	655,636
	(c) Andaman & Nicobar Islands	0.118	8.33	3.02	25.60	0.36	3.14	26,610	377
	(d) Dadra & Nagar Haveli	0.076	0.50	..	..	..	1.04	13,684	2,080
	(e) Goa, Daman & Diu	0.88	4.18	2.04	2.30	0.5	85.08	96,682	20,354
	(f) L. Minicoy & Amindive Islands	0.003	0.03	0.48	14.54	16.00	0.24	7,273	8,000
	(g) Pondicherry	0.48	0.48	..	..	..	87.31	180,393	181,393
ALL INDIA		557.554	3,269.48*	15,254.37	27.30	4.6	47,063.20	84,360	14,415

@The capacity of jointly owned projects have been shown distributed in ratio of respective States.

*Area & population of Mizoram, Meghalaya & Arunachal Pradesh included.

*Includes ultimate sales by DVC in respective States.

PROGRESS OF ELECTRICITY SUPPLY IN THE COUNTRY INSTALLED PLANT CAPACITY & MAX. DEMAND

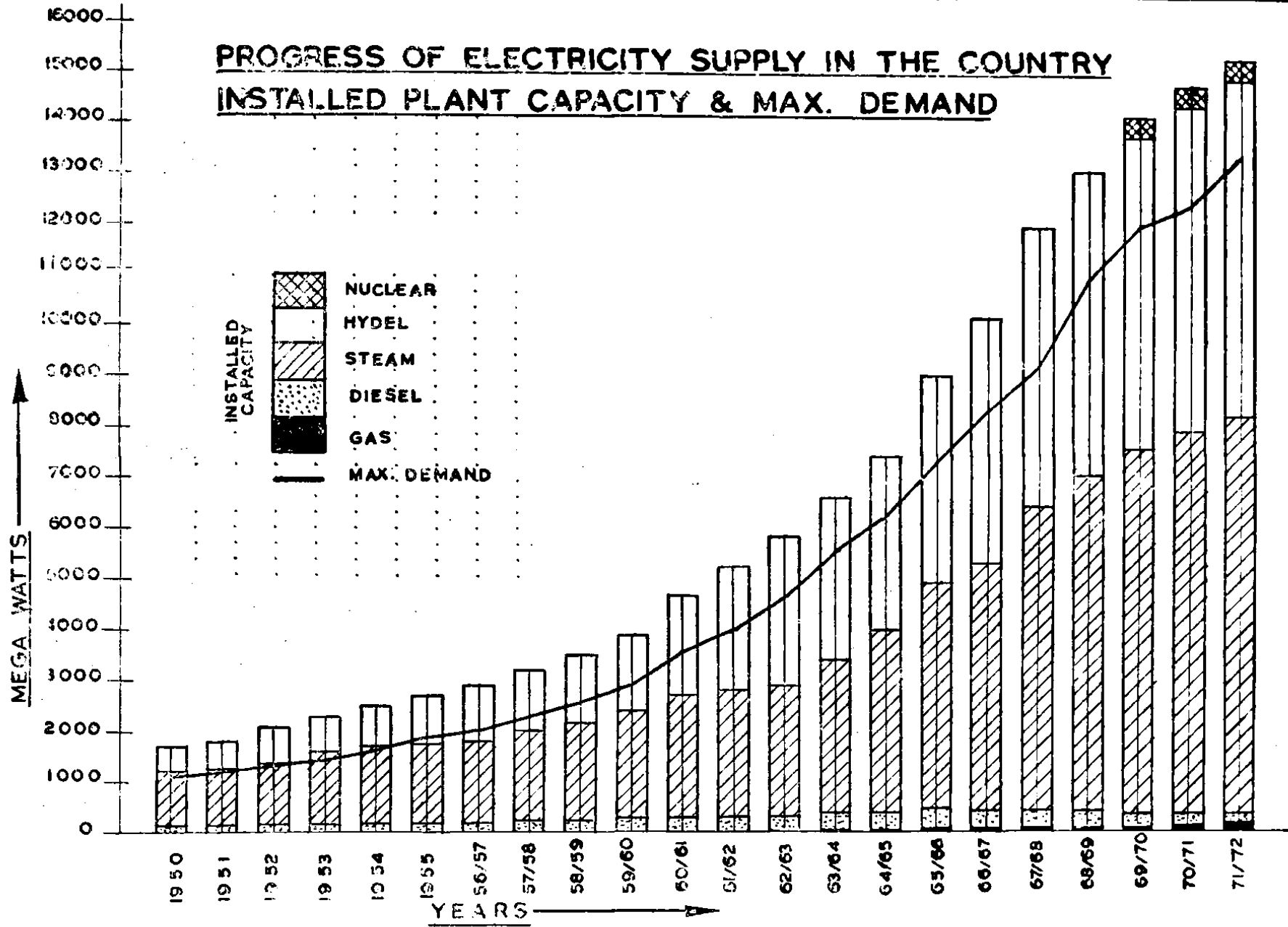


TABLE NO. 44

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 Operated per kW of Capacity	Energy Sold (Million kWh)	Average Load Factor based on Cols. 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
1939	442·169	540·760	86·790	1,069·719	575·801	2,442·415	2,203	2,034·636	48·42	53·8
1947	508·129	757·457	97·679	1,363·265	882·853	4,073·318	2,980	3,358·794	52·67	64·8
1948	515·554	788·393	107·019	1,410·966	965·780	4,575·466	3,243	3,721·464	54·08	68·4
1949	559·079	852·639	125·468	1,537·186	1,008·000	4,909·289	3,194	4,004·716	55·60	65·6
1950	559·285	1,004·434	148·796	1,712·515	1,098·314	5,106·700	2,981	4,156·657	53·08	64·1
1951	575·179	1,097·567	162·680	1,835·426	1,205·194	5,858·403	3,192	4,793·344	55·49	65·7
1952	715·179	1,176·317	170·259	2,061·755	1,310·651	6,120·347	2,969	5,005·682	53·31	63·6
1953	731·179	1,393·717	180·294	2,305·190	1,416·350	6,697·187	2,905	5,597·085	53·98	61·4
1954	793·346	1,491·043	209·607	2,493·996	1,625·123	7,521·777	3,016	6,252·501	52·84	65·2
1955	939·483	1,546·805	208·529	2,694·817	1,849·672	8,592·451	3,189	7,111·011	53·03	68·6
1956-57	1,061·441	1,596·412	228·288	2,886·141	1,989·774	9,662·133	3,348	7,959·345	55·43	68·9
1957-58	1,213·919	1,763·257	245·935	3,223·111	2,288·212	11,369·142	3,527	9,345·224	56·72	71·0
1958-59	1,361·745	1,879·553	270·288	3,511·586	2,542·255	12,993·886	3,700	10,718·610	58·33	72·4
1959-60	1,530·145	2,047·011	296·010	3,873·166	2,931·360	15,032·953	3,881	12,406·943	58·54	75·7
1960-61	1,916·661	2,436·255	300·135	4,653·051	3,545·930	15,937·012	3,649	13,840·369	54·53	76·2
1961-62	2,419·100	2,471·019	328·697	5,218·816	3,971·206	19,669·945	3,769	16,448·295	56·54	76·3
1962-63	2,936·349	2,537·693	327·152	5,801·194	4,635·049	22,364·972	3,855	18,679·021	55·08	79·9
1963-64	3,167·016	3,007·634	401·289	6,575·939	5,548·503	26,817·575	4,078	21,793·977	55·17	84·4
1964-65	3,388·726	3,604·575	403·364	7,396·665	6,257·197	29,563·079	4,044	24,219·269	53·93	84·6

TABLE NO. 44—*Concl.*

1	2	3	4	5	6	7	8	9	10	11
1965-66	4,123·745	4,417·115	486·159	9,027·019	7,306·230	32,990·125	3,708	26,734·944	51·54	80·9
1966-67	4,757·223	4,886·910	448·034	10,092·167	8,291·571	36,375·587	3,604	29,127·636	50·08	82·16
1967-68	5,486·916	5,975·410	420·837	11,883·163	9,702·787	41,194·637	3,467	32,736·872	48·47	81·65
1968-69	5,906·910	6,640·34	410·02	12,957·27	10,871·06	47,433·65	3,661	37,352·35	49·81	83·90
1969-70	6,134·770	7,616·39@	351·29	14,102·45	11,946·18	51,988·72	3,687	41,061·70	49·68	84·71
1970-71	6,383·230	7,928·183@	397·54	14,708·95	12,532·90	55,827·64	3,795	43,724·16	50·85	85·21
1971-72	6,611·610	8,238·38@	404·38	15,254·37	13,333·09	60,925·63	3,993	47,063·20	52·16	87·4

@Includes 420 MW Nuclear Capacity.

TABLE No. 45-(1)

Progress of Electricity Supply—Andhra Pradesh

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro . . . . .	..	66.000	166.150	152.92	267.99	267.99
Steam	46.000	46.000	83.500	113.50	320.00	320.00
Diesel	13.164	19.876	20.188	12.13	0.19	0.19
Gas Turbine . . . . .	..	..	..	20.00	20.00	20.00
TOTAL	59.164	131.876	269.838	298.55	608.12	608.12

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro . . . . .	..	169.364	748.743	764.61	1,501.46	1,312.08
Steam	89.612	60.177	145.836	510.38	1,435.35	1,820.11
Gas Turbine . . . . .	..	..	..	38.41	0.58	3.86
Diesel	14.328	9.661	5.450	6.77	0.02	0.02
TOTAL	103.940	239.202	900.029	1,320.17	2,937.41	3,136.07
Purchase from Non-utilities	N.A.	N.A.	..	2.21	..	..
Used by power station auxiliaries . . . . .	..	..	23.237	43.77	117.77	142.99
<i>Sale (within the State)</i>						
Domestic light & small power	20.946	32.666	0.815	85.75	178.60	201.30
Commercial light & small power	18.657	38.810	30.321	172.90	247.90	308.70
Industrial power	44.297	88.641	393.331	574.37	1,286.90	1,271.50
Public lighting	5.873	9.032	14.869	20.35	34.90	39.20
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	4.905	10.458	54.827	172.66	407.80	505.60*
Public Water Works & Sewage Pumping	3.493	6.410	7.399	22.31	45.20	..*
Miscellaneous . . . . .	..	..	..	..	21.50	3.50
TOTAL	98.176	186.017	501.552	1,048.34	2,192.80	2,329.80
Per capita consumption (Utility & Non-utility)	N.A.	N.A.	19.2	30.9	55.7	57.49

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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	0.550	0.550	9.270	45.94	66.71	66.71
Steam	0.200	0.622	..	..	..	..
Diesel	2.593	4.108	10.160	32.10	31.50	26.24
Gas Turbine . . . . .	..	..	..	81.50	81.50	81.50
TOTAL	3.343	5.280	19.430	159.54	179.71	174.45

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh) (Gross)</i>						
Hydro	2.130	2.897	20.883	56.39	158.30	191.36
Steam	0.001	..	..	..	..	..
Diesel	4.469	8.372	15.336	26.65	16.47	13.94
Gas Turbine	2.130	..	..	14.86	194.25	219.84
TOTAL	8.730	11.269	36.219	97.90	369.02	425.14
Used by power station auxiliaries	..	..	1.273	4.92	6.76	11.23
<i>Sales (Within the State)</i>						
Domestic light and small power .	2.080	3.331	9.897	23.59	38.67	44.66
Commercial light and small power*	2.060	3.689	4.212	19.33	52.24	72.18
Industrial power	0.772	1.383	11.827	23.59	163.46	208.00
Public lighting	0.614	0.740	2.699	3.65	4.72	4.92
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	0.11	0.30	0.50
Public Water Works and Sewage Pumping.	0.069	0.143	0.463	0.76	4.00	4.50
Miscellaneous . . . . .	..	..	..	..	29.50	1.75
TOTAL	5.595	9.286	29.098	71.03	292.89	336.51
Per capita consumption (Utility & Non-utility) in kWh.	N.A.	N.A.	3.6	7.8	21.6	25.13

*Includes supply to tea gardens.

TABLE NO. 45-(3)

Progress of Electricity Supply—Bihar

Year	31-12-51	31-12-56	31-3-61	31-3-65	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro . . . . .	..	4.000	44.000	44.000	10.00	9.60
Steam	39.510	185.045	288.520	608.77	472.77	572.77
Diesel	7.486	15.396	18.373	19.52	16.34	16.40
TOTAL	46.996	204.441	350.893	672.29	499.11	598.77

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro . . . . .	..	2.153	143.655	124.51	0.98	2.80
Steam	118.870	580.118	1,408.554	3,079.56	1,361.32	1,525.83
Diesel	13.162	20.964	44.624	22.80	10.03	7.53
TOTAL	132.032	603.235	1,596.833	3,226.87	1,372.33	1,536.16
Purchased from non-utilities	N.A.	N.A.	28.79	..	3.58	6.28
Used by power station auxiliaries . . . . .	..	..	98.620	300.68	154.73	179.77
<i>(Within the State)*</i>						
Domestic light & small power	14.820	27.138	44.312	61.09	91.36	97.33
Commercial light & small power	6.062	13.296	29.830	69.35	96.26	97.45
Industrial power	87.847	298.543	776.395	{1,397.25	1,193.21	2,073.85
Public lighting	1.098	1.937	3.647	4.80	5.34	5.80
Railways/Tramways . . . . .	..	..	4.528	343.09	221.54	372.97
Agricultural	4.599	4.272	18.255	29.33	69.13	56.00
Public Water Works & Sewage Pumping	4.167	8.126	12.238	27.64	34.96	37.29
Miscellaneous . . . . .	..	..	..	..	0.04	8.35
TOTAL	118.593	353.312	889.205	1,932.55	1,711.84	2,749.04*
Per capital consumption (Utility & Non-utility) in kWh.	N.A.	N.A.	41.5	57.7	65.1	65.47

NOTE.—Data included D.V.C. (Bihar portion) upto 1965-66. From the year 1968-69 onwards D.V.C. have been excluded and have given separately.

*Sales to ultimate consumers by D.V.C. 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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	108·930	183·600	280·900	609·60	619·60	619·60
Diesel	32·948	40·605	52·367	41·02	23·16	20·25
Gas . . . . .	..	..	..	..	54·00	54·00
Nuclear . . . . .	..	..	..	..	210·00	210·00
6 TOTAL	141·878	224·205	333·267	650·62	906·76	903·85

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	316·405	739·372	1,209·144	2,155·48	2,902·63	3,308·29
Diesel	57·244	51·577	62·083	51·90	8·36	6·16
Gas . . . . .	..	..	..	..	56·52	139·00
Nuclear . . . . .	..	..	..	..	1,208·69	594·66
TOTAL	373·649	790·949	1,271·227	2,207·38	4,176·20	4,048·11
Purchased from non-utilities . . . . .	..	..	..	0·87	56·04	122·90
Used by power station auxiliaries . . . . .	..	..	82·615	177·76	311·69	303·60
<i>Sales Within the State</i>						
Domestic light & small power	30·901	46·726	71·573	141·54	243·23	259·00
Commercial light & small power	12·328	14·936	31·660	48·98	108·17	113·52
Industrial power	266·694	590·402	805·961	1,421·15	2,401·07	2,581·89
Public lighting	5·889	8·980	15·274	22·23	55·77	37·71
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	1·326	6·060	19·610	100·53	404·98	421·28
Public Water Works & Sewage Pumping	12·083	26·746	39·560	62·04	95·25	106·39
Miscellaneous . . . . .	..	..	..	..	13·29	14·95
TOTAL	329·221	693·850	983·638	1,796·47	3,321·76	3,534·54
Per capita consumption (Utilities and Non-utilities) in kWh . . . . .	..	..	..	..	..	139·97

TABLE No. 45-(5)

*Progress of Electricity Supply—Haryana***

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro . . . . .	..	..	..	245.69	408.47	408.47
Steam	1.300	6.750	6.300	28.10	90.60	90.60
Diesel	6.986	7.515	4.306	6.32	4.84	4.99
TOTAL	8.286	14.265	10.606	280.11	503.91	504.06

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy (Million kWh) Generation</i>						
Hydro	1,083.26	1,451.80	1,651.20
Steam	2.881	6.769	6.658	14.15	393.80	406.33
Diesel	6.867	4.048	0.861	3.68	2.00	2.14
TOTAL	9.748	10.817	7.519	1,101.09	1,847.60	2,059.67
Used by Power Station auxiliaries	1.339	34.60	35.69
<i>Sales within the State</i>						
Domestic light and small power.	59.29	71.98
Commercial light and small power	49.61	62.60
Industrial power	478.75	559.20
Public lighting	4.05	4.28
Railways/Tramways
Agricultural	298.64£	366.50£
Public Water Works and Sewage Pumping.	£
Miscellaneous	0.97	3.60
TOTAL	891.31	1068.16
Per capita consumption (Utilities) in kWh.	98.15	111.48

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

£—Includes figures of public water works and sewage pumping also.

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

TABLE NO. 45-(6)

Progress of Electricity Supply—Himachal Pradesh*

Year	31-12-51	31-12-1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
Installed Capacity (M.W.)						
Hydro	49.02	48.90
Diesel	1.72	2.55
TOTAL	50.74	51.45
Energy (Million kWh) Generation						
Hydro	61.70	148.70
Diesel	0.20	0.04
TOTAL	61.90	148.74
Purchased from Non-utilities
Used by Power Station auxiliaries	2.2	2.01
Sale (Within the State)						
Domestic light & small power	19.92@@	23.60
Commercial light and small power	10.42	17.19
Industrial power	19.91	26.00
Public lighting	1.28	1.39
Railways/Tramways
Agricultural	0.76	1.02
Public Water Works and Sewage Pumping	15.08	15.38
Miscellaneous	43.69@	67.89£
TOTAL	111.06	152.47
Per capita consumption (Utilities & non-utilities) in kWh	34.8	44.06

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

@Includes bulk supply other than to Licensees.

@@Includes ultimate sales of Simla in the commercial category.

£Includes supply to Power Projects in H. P.

TABLE No. 45-(7)

Progress of Electricity Supply—Jammu & Kashmir

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	4.514	10.606	10.612	28.07	26.92	40.72
Steam	1.500	1.500	1.500	1.50	7.50	22.50
Diesel	0.465	0.769	0.869	1.54	5.94	5.94
TOTAL .	6.479	12.875	12.981	31.11	40.36	69.16

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro	23.479	23.896	43.489	N.A.	142.10	149.91
Steam	1.774	..	..	N.A.	17.30	23.24
Diesel	0.261	0.075	0.025	N.A.	8.80	8.82
TOTAL .	25.514	23.971	43.514	..	168.20	181.97
Used by power station auxiliaries	..	..	0.509	..	5.10	6.96
<i>Sales (Estimated) : Within the State</i>						
Domestic light and small power .	7.660	8.864	22.500	Data	63.50	70.00
Commercial Light and small power	0.811	0.176	1.000	not	15.00	19.00
Industrial power	6.318	6.424	22.000	available	60.00	66.00
Public lighting	0.552	0.566	1.300		3.00	3.50
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	0.424	0.302	0.700	..	10.00	11.00
Public Water Works and Sewage Pumping.	1.610	2.086	3.500	..	16.00	17.50
Miscellaneous . . . . .	..	..	..	..	2.50	..
TOTAL .	17.375	18.418	51.00	..	170.00	187.00
Per capital consumption (Utilities and Non-utilities) in kWh.	N.A.	N.A.	14.25	N.A.	34.82	39.70

TABLE NO. 45-(8)

Progress of Electricity Supply—Kerala

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	28.500	85.500	132.500	192.50	546.50	546.50
Steam . . . . .	..	..	..	..	..	..
Diescl	4.170	4.277	4.762	4.60	1.60	1.60
TOTAL .	32.670	89.777	137.262	197.10	548.10	548.10

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	152.179	349.599	581.818	840.34	2,137.01	2,293.07
Steam . . . . .	..	..	..	..	..	..
Diescl	1.460	0.132	..	1.60	..	..
TOTAL .	153.639	349.731	581.818	841.94	2,137.01	2,293.07
Used by power station auxiliaries	..	..	18.394	18.82	17.61	17.33
<i>Sales within the State</i>						
Domestic light and small power .	13.748	22.890	51.073	89.93	100.41	106.04
Commercial light and small power	2.697	2.291	3.851	14.43	70.34	77.80
Industrial power	140.939	223.592	396.407	602.90	1,259.39	1,256.59
Public lighting	1.604	2.722	8.358	10.55	45.11	24.55
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	6.170	10.721	18.287	24.03	40.91	66.93
Public Water Works and Sewage Pumping.	3.292	7.001	7.844	7.96	8.82	12.05
Miscellaneous . . . . .	..	..	..	..	0.02	0.03
TOTAL .	168.450	269.217	485.820	749.80	1,525.00	1,543.99
Per capita consumption (Utili- ties) in kWh	N.A.	N.A.	28.75	41.80	75.54	74.09

TABLE No. 45-(9)

Progress of Electricity Supply—Madhya Pradesh

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
Installed Capacity (M.W.)						
Hydro . . . . .	..	..	69.00	46.00	143.50	143.50
Steam	27.308	66.322	169.798	238.40	582.00	582.00
Diesel	11.979	15.984	28.739	26.14	1.62	1.62
TOTAL	39.287	82.306	267.537	310.54	727.12	727.12

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
Energy Generation (Gross) (Million kWh)						
Hydro . . . . .	..	..	23.240	78.06	472.20	500.80
Steam	57.354	150.070	429.677	1110.20	2281.90	2395.25
Diesel	15.953	19.271	24.049	19.96	0.30	0.30
TOTAL	73.307	169.341	476.966	1208.22	2754.40	2896.35
*Purchased from non-utilities.	..	..	30.000	69.29		
Used by power station auxiliaries	..	..	30.985	100.06	218.40	230.66
(ii) Within the States						
Domestic light & small Power	14.845	25.206	45.397	74.39	148.21	161.39
Commercial light & small power	7.470	13.525	20.790	26.64	77.68	93.39
Industrial Power	23.094	77.280	301.267	868.38	1470.68	1581.05
Public Lighting	2.183	4.801	9.113	9.97	23.34	25.46
Railways/Tramways . . . . .	..	..	..	..	31.44	58.05
Agricultural	0.188	0.698	3.890	11.76	65.04	86.08
Public Water Works & Sewage Pumping	* 10.321	18.486	25.243	37.28	66.80	70.41
Miscellaneous . . . . .	..	..	..	..	0.01	..
TOTAL (ii)	58.101	139.996	405.700	1028.42	1883.20	2075.83
Per capita consumption kWh . . . . .	..	..	..	..	..	58.13

NOTE.—Figure of installed capacity and generation from 1965-66 onwards have been changed by taking the installed capacity and regeneration 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.

*Purchase includes, *inter-alia*, that portion of transfer from the supplies of jointly owned projects which may be over and above the share of the State from these projects.

@Sales include, *inter-alia*, that portion of transfer from the supplies of jointly owned projects, which may be below the share of the State from those projects.

TABLE No. 45-(10)
Progress of Electricity Supply—Maharashtra

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity in (M.W.)</i>						
Hydro	253·114	279·914	281·91	598·89	844·32	844·32
Steam	64·954	225·110	443·25	653·25	1051·00	1041·00*
Diesel	21·122	27·917	34·36	52·36	14·09	14·09
Nuclear . . . . .	..	..	..	..	210·00	210·00
TOTAL	339·190	532·941	759·52	1304·50	2119·41	2109·41

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	1229·024	1467·483	1364·95	3157·56	4533·29	5017·49
Steam	280·038	742·343	1834·76	2415·92	3391·79	4701·29
Diesel	32·203	38·879	68·17	61·71	0·53	0·52
Nuclear . . . . .	..	..	..	..	1208·69	594·66
TOTAL	1541·265	2248·705	3267·88	5635·19	9134·30	10313·96
Purchased from non-utilities . . . . .	..	..	2·200	..	..	..
Used by power station auxiliaries . . . . .	..	..	136·118	212·11	319·02	452·08
<i>Sales (Within the State)</i>						
Domestic light and small power	107·964	165·574	259·901	448·208	731·76	778·60
Commercial light and small power	86·133	131·301	198·230	363·381	546·85	662·21
Industrial Power	815·801	1234·899	852·666	3297·263	5312·04	5679·29
Public Lighting	7·129	14·503	19·883	38·57	74·23	77·55
Railways/Tramways	270·946	344·463	338·927	413·863	421·53	661·44
Agricultural	2·748	5·129	14·759	89·555	356·53	412·13
Public Water Works & Sewage Pumping Misc.	* 23·346	31·366	35·157	65·696	145·60	170·16
Miscellaneous . . . . .	..	..	..	..	61·62	0·03
TOTAL	1314·067	1927·235	2719·523	4716·536	7650·16	8441·41
Per capita, consumption (Utilities & non-utilities) in kWt	N.A.	N.A.	52·0	85·3	138·0	167·99

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

* 4 units of 10·0 MW at Kalyan Power House (Chola) of Railways have been deleted.

TABLE No. 45-(11)

Progress of Electricity Supply—Mysore

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	107·200	178·200	178·200	432·00	877·50	966·60
Steam	0·057	..	..	1·10	..	..
Gas Turbine . . . . .	..	..	..	10·00	..	..
Diesel	7·681	12·264	12·876	12·53	0·65	0·65
TOTAL	114·938	190·464	191·076	455·63	878·15	967·23

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	525·343	809·725	1038·756	1916·07	4754·28	4931·86
Steam . . . . .	..	..	..	1·63	..	..
Gas Turbine . . . . .	..	..	..	0·61	..	..
Diesel	13·159	16·449	19·242	17·52	0·02	0·02
TOTAL	538·502	826·174	1057·998	1935·83	4754·30	4931·88
Purchased from non-utilities	..	..	..	..	..	..
Used by power station auxiliaries	..	..	16·652	9·60	17·00	15·05
<i>Sales : Within the States</i>						
Domestic light & small power	31·987	55·489	75·243	131·255	229·56	279·31
Commercial light & small power	8·734	17·785	21·299	27·292	94·10	77·64
Industrial Power	292·174	486·229	731·889	1035·514	2261·25	2680·06
Public lighting	7·140	13·838	18·880	28·682	54·77	62·03
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	6·967	16·465	28·715	66·015	179·73	203·04
Public Water Works and Sewage Pumping	37·034	42·574	58·915	92·846	118·35	90·08
Miscellaneous . . . . .	..	..	..	..	35·06	0·02
TOTAL	384·036	632·380	934·941	1881·604	2972·82	3392·18
Per capita consumption (Utilities and non-utilities) in kWh	N.A.	N.A.	44·2	55·1	104·3	115·32

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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity in (M.W.)</i>						
Hydro
Steam
Diesel	0.73	2.00	2.12
TOTAL	0.73	2.00	2.12

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Gross) (Million kWh)</i>						
Hydro
Steam
Diesel	1.01	0.70	0.64
TOTAL	1.01	0.70	0.64
Purchased from non-utilities
Used by power station auxiliaries	0.01	0.03	0.02
Sales : To adjoining States
<i>Within the State</i>						
Domestic light and small Power	0.65	2.54	3.20
Commercial light and small power	@	@
Industrial power	0.07	0.49	0.45
Public Lighting	0.07	0.30	0.45
Railways/Tramways	-
Agricultural
Public Water Works & Sewage Pumping	0.05	0.86	0.32
Miscellaneous	1.42
TOTAL	0.84	4.19	5.84
Per capita consumption (Utilities & non-utilities) in kWh	2.1	8.2	11.02

@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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	0.005	24.005	123.005	304.44	304.42	304.42
Steam	0.776	5.776	5.776	5.75	258.25	258.25
Diesel	4.079	3.991	7.468	4.80	1.51	1.05
TOTAL .	4.860	33.772	136.249	314.99	564.18	563.72

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy (Million kWh) Generation (Gross)</i>						
Hydro	0.013	0.011	483.738	1155.52	1242.15	1308.91
Steam	2.133	17.617	..	..	522.99	516.53
Diesel	4.665	3.517	5.901	0.97	0.73	0.88
TOTAL .	6.911	21.145	489.639	1156.49	1765.87	1826.32
*Purchased from Non-utilities .	N.A.	N.A.	44.81	9.03	..	..
Used by power station auxiliaries	..	..	3.680	4.26	68.31	79.35
<i>Within the States</i>						
Domestic light & small power .	2.226	4.023	18.300	29.93	37.46	35.51
Commercial light & small power	1.408	1.938	7.870	16.69	57.40	63.51
Industrial power	1.117	7.578	457.465	882.21	1410.28	1531.60
Public Lighting	0.243	0.614	1.487	7.95	5.30	5.38
Railways/Tramways . . . . .	..	..	..	32.72	40.28	58.55
Agricultural . . . . .	..	..	0.752	1.73	10.68	5.39
Public Water Works & Sewage Pumping	0.101	1.049	2.297	5.36	18.01	19.87
Miscellaneous . . . . .	..	..	..	..	19.53	20.50
TOTAL .	5.095	15.202	488.171	976.59	1598.89	1740.31
Per capita consumption (Utilities and non-utilities) in kWh	N.A.	N.A.	42.8	79.4	95.7	97.15

NOTE:—Figures of installed capacity and generation from 1965-66 and onwards have been changed by taking the installed capacity & 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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	48.240	144.240	324.726	417.97	660.70	675.70
Steam	1.076	1.076	1.576	5.00	15.00	15.00
Diesel	8.597	10.449	9.544	10.28	4.50	15.14
TOTAL	57.913	155.765	335.846	432.65	680.20	705.84

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	163.719	413.497	977.726	1806.34	2344.30	2762.90
Steam . . . . .	..	..	..	8.00	17.90	19.40
Diesel	9.309	0.685	4.359	4.45	2.60	5.25
TOTAL	173.028	414.182	982.085	1818.79	2364.80	2787.55
Purchased from non-utilities . . . . .	..	..	..	..	..	..
Used by Power Station auxiliaries . . . . .	..	..	7.955	9.309	9.90	9.65
<i>Within the State</i>						
Domestic lights and small power	24.898	40.840	69.867	113.54	137.67	156.36
Commercial light & small power	12.006	34.819	61.397	86.43	107.62	119.20
Industrial Power	56.128	153.632	355.974	1915.71	1375.81	1463.16
Public Lighting	2.443	5.755	9.092	9.87	6.94	6.95
Railways/Tramways . . . . .	..	..	..	..	..	..
Agricultural	0.490	22.655	74.848	210.85	463.68	556.42
Public Water Works & Sewage Pumping	6.589	8.729	9.121	13.41	4.12	4.64
Miscellaneous . . . . .	..	..	..	..	10.00	8.45
TOTAL	102.554	266.430	580.299	2349.81	2105.84	2315.18
Per capita consumption (Utilities & non-utilities) in kWh	N.A.	N.A.	32.9	101.6	158.6	168.7

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.

** 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.

£ Includes figure of Public Water Works and Sewage Pumping.

TABLE No. 45-(15)

Progress of Electricity Supply—Rajasthan

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	..	..	..	156.27	326.83	326.83
Steam	17.26	24.00	46.25	48.50	169.15	169.15
Diesel	13.68	19.79	24.43	31.81	44.54	35.68
Gas Turbine	..	..	..	10.00	10.00	10.00
TOTAL	30.94	43.79	70.68	246.58	540.52	541.66

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Gross) Million kWh</i>						
Hydro	..	..	..	564.24	1123.60	1241.70
Steam	42.72	61.28	70.41	127.31	374.60	447.36
Diesel	21.55	29.03	37.99	36.16	10.30	10.25
Gas Turbine	..	..	..	1.38	..	..
TOTAL	64.27	90.31	108.40	729.09	1508.50	1699.31
Purchase from non-utilities	N.A.	N.A.	0.11	..	..	..
Used by Power Station auxiliaries	..	..	6.395	10.552	40.00	44.86
Sales : To adjoining States	..	..	..	311.49	..	..
<i>Within the State</i>						
Domestic light & small power	10.834	12.325	20.734	38.51	73.32	77.89
Commercial light & small power	5.833	11.115	15.858	38.26	60.89	62.82
Industrial Power	14.198	21.890	33.580	197.81	615.88	709.15
Public lighting	1.969	2.987	5.200	7.27	10.05	10.48
Railways/Tramways	..	..	..	..	..	..
Agricultural	1.664	1.845	3.621	19.68	112.93	154.37
Public Water Works & Sewage Pumping	12.923	14.459	19.537	24.26	61.32	60.06
Miscellaneous	..	..	..	..	14.09	18.85
TOTAL	47.421	64.621	98.530	325.79	948.48	1093.62
Per capita consumption (Utilities & non-utilities) in kWh.	N.A.	N.A.	11.5	21.4	49.8	52.83

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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity in (M.W.)</i>						
Hydro	101.950	165.150	415.450	906.65	1114.00	1224.00
Steam	52.000	84.000	101.500	401.50	851.50	961.50
Diesel	0.516	0.516	0.516	6.00	..	..
TOTAL	154.466	249.666	517.456	1314.15	1965.50	2185.50

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy Generation (Million kWh)</i>						
Hydro	579.173	802.619	1797.545	1978.63	3042.95	3749.02
Steam	140.189	281.718	416.171	2230.50	2595.05	3055.61
Diesel	0.195	..	..	..0.28	..	..
TOTAL	719.557	1084.337	2213.716	4209.41	5638.00	6804.63
Purchased from Non-utilities . . . . .	..	..	..	..	..	..
Used Power Station auxiliaries . . . . .	..	..	64.746	266.33	324.95	364.27
Sales :						
<i>Within the State</i>						
Domestic light and small power	59.340	108.915	152.890	213.70	335.95	357.51
Commercial light & small power	54.693	90.398	156.712	299.14	411.38	434.91
Industrial Power	324.291	449.368	909.791	1792.32	2930.53	3167.47
Public Lighting	14.178	20.774	33.920	48.91	81.63	92.06
Railways/Tramways	15.749	12.628	15.000	20.29	35.00	0.14£
Agircultural	69.636	138.300	382.403	819.65	1275.16	1402.83
Public Water Works and Sewage Pumping	8.625	10.319	14.427	28.11	47.35	49.19
Miscellaneous . . . . .	..	..	..	..	29.06	28.88
TOTAL	546.512	830.702	1665.143	3222.12	5146.06	5532.99
Per capita consumption (Utilities & non-utilities) in kWh	N.A.	N.A.	50.5	88.7	129.5	134.51

£ 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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity in (M.W.)</i>						
Hydro	26.220	96.390	92.470	477.76	606.30	606.30
Steam	161.090	179.860	270.810	398.23	709.78	814.78
Diesel	12.883	32.490	34.164	42.05	42.54	22.54
Gas Turbine . . . . .	..	..	..	12.500	12.50	12.50
TOTAL	200.193	308.740	397.444	930.54	1351.12	1456.12

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>[Energy (Million kWh) Generation (Gross)]</i>						
Hydro	157.320	232.309	439.967	1542.86	1964.36	2288.41
Steam	398.271	490.829	786.262	1450.67	3757.61	3887.08
Diesel	14.181	20.343	26.092	25.10	2.78	1.88
Gas Turbine . . . . .	..	..	..	14.03	..	1.06
TOTAL	569.772	748.481	1252.321	3032.66	5724.75	6178.43
Purchase from non-utilities . . . . .	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	59.551	118.354	346.75	368.56
<i>Sales :</i>						
<i>Within the State :</i>						
Domestic light and small power	49.587	71.510	122.718	190.50	369.96	386.40
Commercial light & small power	40.451	59.317	74.736	116.11	125.60	122.61
Industrial Power	230.991	314.181	503.928	1639.76	2742.88	2863.22
Public Lighting	6.246	8.384	13.848	18.61	29.34	27.94
Railways/Tramways . . . . .	..	..	..	20.32	124.67	30.29
Agricultural	98.230	90.441	199.992	315.99	720.98	703.81
Public Water Works & Sewage Pumping	32.434	42.145	60.481	70.94	90.31	93.88
Miscellaneous	*	*	*	*	81.72	48.80
TOTAL	457.939	585.978	975.703	2372.23	4285.46	4376.95
Per capita consumption (Utilities & non-utilities) in kWh.	N.A.	N.A.	15.1	29.9	60.2	59.69

*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	31-3-71	31-3-1972
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	2·760	4·760	67·208	67·51	25·51	26·51
Steam	539·901	528·351	676·975	1211·21	1171·43	1171·43
Diesel	3·513	5·612	9·473	13·47	15·17	17·53
TOTAL	546·174	538·723	753·656	1292·19	1212·11	1215·47

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy (Million kWh) Generation (Gross)</i>						
Hydro	5·929	8·335	159·886	144·90	44·34	44·34
Steam	1196·902	1765·624	2150·169	3879·68	3992·37	3994·27
Diesel	4·445	4·632	8·684	16·36	19·16	21·09
TOTAL	1207·276	1778·591	2318·739	4040·94	4055·87	4059·70
Purchase from non-utilities	N.A.	N.A.	147·13	..	..	..
Used by power station auxiliaries . . . . .	..	..	130·595	329·45	328·92	327·03
<i>Within the States :</i>						
Domestic light & small power	180·831	253·402	353·517	510·14	649·17	644·72
Commercial Light & small power	37·550	79·275	115·786	173·87	234·88	273·34
Industrial Power	731·949	1291·502	1808·128	3009·71	2772·82	3363·23
Public Lighting	8·346	15·112	23·395	29·80	35·44	34·91
Railways/Tramways	42·899	47·487	95·297	227·01	298·74	351·18
Agricultural . . . . .	..	2·170	0·650	4·25	21·16	19·85
Public Water Works and Sewage Pumping	32·564	65·594	95·993	110·14	138·40	143·69
Miscellaneous . . . . .	..	..	..	..	0·39	10·67
TOTAL	1034·139	1754·542	2492·766	4064·92	4151·00	4841·59*
Per capita consumption (Utilities & non-utilities) in kWh	N.A.	N.A.	83·9	114·3	117·6	114·96

Note.—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 in West Bengal included.

TABLE No. 45-(19)

Progress of Electricity Supply—D.V.G.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (M.W.)</i>						
Hydro	104.00	104.00
Steam	957.50	957.50
Diesel
TOTAL	1061.50	1061.50

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy (Million kWh) Generation (Gross)</i>						
Hydro	271.42	427.67
Steam	3731.95	4041.41
Diesel
TOTAL	4003.37	4469.08
Purchase from non-utilities	N.A.	N.A.	N.A.	0.81	6.14	..
Used by power station auxiliaries	382.33	444.16
<i>Within the State :</i>						
Domestic light & small power	Please see note below
Commercial Light & small power	0.04	
Industrial Power	1276.58	
Public Lighting	
Railways/Tramways	191.37	
Agricultural	
Public Water Works and Sewage Pumping	
Miscellaneous	8.68	
TOTAL	1476.67	

NOTE.—Sales for the year 1971-72 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	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed Capacity (MW)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	35.15	52.40	53.60	91.60	231.00	221.20
Diesel	7.44	2.79	22.70	20.82	20.82	20.80
TOTAL	42.59	55.19	76.30	112.42	251.82	242.00

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy (Million kWh) Generation (Gross)</i>						
Hydro . . . . .	..	..	..	..	..	..
Steam	131.88	231.68	271.41	387.13	1017.80	1093.48
Diesel	5.40	0.54	39.35	7.35	9.10	7.92
TOTAL	137.28	232.22	310.76	394.48	1026.90	1101.40
Used by Power Station auxiliaries	..	..	59.24	38.25	84.0	93.60
<i>Within the State</i>						
Domestic Light and small power	24.250	52.462	97.101	186.51	288.14	309.40
Commercial Light and small power	33.003	57.629	72.892	167.29	214.08	236.47
Industrial Power	32.406	74.306	153.892	178.43	398.71	411.04
Public Lighting	2.637	6.491	10.937	15.88	19.57	21.47
Railways/Tramways . . . . .	..	0.347	0.171	..	..	..
Agricultural	5.730	4.928	5.007	6.91	6.13	5.70
Public Water Works and Sewage Pumping	21.420	31.592	43.185	55.05	92.06	98.90
Miscellaneous . . . . .	..	..	..	..	..	..
TOTAL	119.446	227.755	383.185	610.07	1018.69	1082.98
Per capita consumption (Utilities & non-utilities) in kWh.	N.A.	N.A.	186.8	205.5	285.5	283.05

NOTE.—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

Year	31-12-50	31-12-56	31-3-61	31-3-66	31-3-71	31-3-72
1	2	3	4	5	6	7
<i>Installed plant capacity at the end of</i>						
(a) Hydro	100	168.0	342.7	757.8	1147.9	1182.1
(b) Steam (including Nuclear) .	100	154.0	242.6	439.8	747.4	778.3
(c) Gas Turbine & Diesel	100	140.0	201.7	326.7	267.2	271.8
All Types	100	157.4	271.8	527.2	858.9	890.7

Year	1951	1956	1960-61	1965-66	1970-71	1971-72
1	2	3	4	5	6	7
<i>Energy generated :</i>						
(a) Hydro	100	150.1	274.0	532.4	882.9	980
(b) Steam (including Nuclear) .	100	184.4	314.2	625.1	1087.2	1124.0
(c) Gas Turbine & Diesel	100	106.2	167.5	178.6	166.6	216.2
All Types	100	164.9	289.1	563.1	953.0	1040.0
Coal Consumption*	100	166.4	257.4	414.6	639.8	817.1
Diesel Oil consumption in Gas Turbine & Diesel Power Stations	100	104.3	153.1	233.1	46.5	46.9
Aggregate Maximum Demand .	100	165.1	294.2	606.2	1040.1	1106.1
<i>Energy Sales</i>						
Domestic Light & Small Power	100	157.2	251.2	396.4	646.5	691.4
Commercial Light & Small Power	100	165.4	256.9	500.0	779.7	821.7
Industrial Power	100	174.0	317.0	617.1	967.0	1034.0
Public Lighting	100	173.2	285.8	413.6	734.8	726.1
Railways/Tramways	100	122.9	137.7	324.4	413.6	495.4
Agricultural	100	155.7	410.2	931.7	2202.0	2465.2
Public Water Works & Sewage Pumping	100	150.9	207.6	297.5	484.3	480.0
All Categories	100	166.1	288.9	557.8	912.2	981.8

*Excludes wood and lignite.

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 31-3-1972

Sl. No.	State/Power Corporation	Distribution lines upto 500 V	2·2/3·3 KV		5/6·6 KV		15/11 KV		22/20 KV	
			O.H.	U.G.	O.H.	U.G.	O.H.	U.G.*	O.H.	U.G.
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	56,121	..	..	..	..	36,228	..	..	..
2	Assam	3,023	37	2	..	..	3,382	..	..	..
3	Bihar	32,851	41	9	247	57	25,697	38	..	..
4	Gujarat	32,845	130	160	6	7	21,614	811	5,273	..
5	Haryana	36,996	3	..	..	..	25,856	..	..	..
6	Himachal Pradesh	6,150	5	30	310	..	3,161	310	1,210	..
7	Jammu & Kashmir	3,000	..	..	300	..	2,000	..	..	..
8	Kerala	22,796	90	..	4	11	8,464	37	162	..
9	Madhya Pradesh	33,631	70	45	43	..	25,975	35	..	..
10	Maharashtra	99,739	97	87	283	917	35,592	1,063	7,441	640
11	Manipur (R)	409	..	..	..	..	370	..	..	..
12	Mysore	90,429	2,536	104	..	..	44,091	208	@@	..
13	Nagaland	421	..	..	..	..	261	..	..	..
14	Orissa**	3,968	37	3	32	..	3,927	75	..	..
15	Punjab	28,677	..	..	..	..	18,161	2	..	..
16	Rajasthan	21,765	41	..	95	13	15,657	2	..	..
17	Tamil Nadu	168,739	5	..	83	9	35,386	28	15,799	3
18	Tripura	236	..	..	..	..	418	..	..	..
19	Uttar Pradesh	47,161	174	298	222	469	73,389	808	64	..
20	West Bengal	10,983	65	27	461	1,749	8,247	199	..	61
21	D.V.C.	..	..	..	..	..	..	..	..	..
<i>Union Territories</i>										
	(a) Delhi (R)	6,215	..	..	39	157	1,408	713	120	..
	(b) Andaman & Nicobar Islands	100	..	..	30	..	..	9	..	..
	(c) Chandigarh	281	..	..	..	..	..	206	..	..
	(d) Dadra & Nagar Haveli	56	..	..	..	..	74	..	..	..
	(e) Goa, Daman & Diu	1,233	*	1	..	..	759	..	..	..
	(f) L. Minicoy & Amindive	*	..	5	..	..	..	..	..	..
	(g) N.E.F.A.	DATA NOT AVAILABLE	..	..	..	..	..	..	..	..
	(h) Pondicherry	1,885	12	..	..	..	86	..	313	..
	ALL INDIA	709,710	3,343	771	2,155	3,389	309,203	4,544	30,382	704

Sl. No.	State/Power Corporation	33 KV		44/37.5 KV		110/90 KV	132 KV	220 KV	230 KV	Total
		O.H.	U.G.	O.H.	O.H.	O.H.	O.H.	O.H.	O.H.	
1	2	12	13	14	15	16	17	18	19	20
1	Andhra Pradesh	6,672	..	..	2,879	..	3,547	1,144	..	106,591
2	Assam	2,783	..	..	401	..	681	93	..	10,402
3	Bihar	6,350	..	..	..	..	@2,146	558	..	67,994
4	Gujarat	3,190	..	..	3,505	..	2,296	880	..	70,717
5	Haryana	2,249	..	..	704	..	887	..	..	66,695
6	Himachal Pradesh	658	23	89	87	..	5	..	..	12,038
7	Jammu & Kashmir	523	..	..	232	..	130	..	..	6,185
8	Kerala	..	..	..	1,639	1,335	..	316	..	34,854
9	Madhya Pradesh	10,371	..	..	424	..	3,583	1,162	..	75,339
10	Maharashtra	7,123	..	..	2,159	6,333	@2,628	1,276	..	165,378
11	Manipur (R)	127	..	..	..	..	..	..	..	906
12	Mysore	2,337	..	..	2,744	3,259	1,558	1,158	..	147,266
13	Nagaland	363	..	..	20	..	..	..	..	1,065
14	Orissa**	3,537	..	..	793	..	2,259	147	..	14,778
15	Punjab£	2,050	..	..	922	..	1,629	2,095	..	53,536
16	Rajasthan	6,797	..	..	412	..	@@1,786	495	..	47,063
17	Tamil Nadu	2,828	..	..	3,206	5,614	..	..	1,591	233,291
18	Tripura	231	..	..	..	..	148	..	..	1,033
19	Uttar Pradesh	10,251	60	3,467	2,621	..	4,607	1,996	..	145,587
20	West Bengal	2,324	472	..	584	..	1,078	..	..	26,250
21	D.V.C.	363	..	..	..	..	2,516	..	..	2,879
<i>Union Territories</i>										
	(a) Delhi (R)	180	..	..	..	..	10	42	..	8,884
	(b) Andaman & Nicobar Islands	..	..	..	..	..	..	..	..	139
	(c) Chandigarh	..	..	..	..	..	..	..	..	487
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	130
	(e) Goa, Daman & Diu	320	..	..	..	68	..	..	..	2,381
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	5
	(g) N.E.F.A.	DATA NOT	AVAILABLE	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	2,296
	ALL INDIA	71,627	555	3,556	23,332	16,609	29,936	11,762	1,591	1,304,169

@Revised by Bihar S.E.B (Bihar) Tata Hydro (in Maharashtra) S.E.B. (M.P.)

@@Line upgraded.

£BMB included.

(R) Repeated for last year due to non-receipt of data.

*Figures not reported by the concerned authority.

**Data for 1970-71 which was received late last year has been given now due to non-receipt of data for 1971-72.

Data of Meghalaya, Arunachal, Mizoram is not available.

TABLE NO. 48

Length of Transmission Lines (33 KV and above) commissioned during the year 1971-72

Sl. No.	Undertaking	Line Voltage	Length (Circuit Km.)
1	2	3	4
1	<i>Andhra Pradesh</i>		
	Andhra Pradesh State Electricity Board	132 KV 66 KV 33 KV	60 21 313
2	<i>Assam</i>		
	Assam State Electricity Board	220 KV 132 KV 33 KV	93 15.6 191
3	<i>Bihar</i>		
	Bihar State Electricity Board	33 KV	356
4	<i>Gujarat</i>		
	Gujarat State Electricity Board	220 KV 132 KV 66 KV 33 KV	70 128 191 154
5	<i>Haryana</i>		
	Haryana State Electricity Board	132 KV 66 KV 33 KV	113 61 245
6	<i>Himachal Pradesh</i>		
	Himachal Pradesh State Electricity Board	33 KV	61.0
7	<i>Jammu & Kashmir</i>		
	Jammu & Kashmir State Electricity Board	DATA NOT	AVAILABLE
8	<i>Kerala</i>		
	Kerala State Electricity Board	110 KV 66 KV	54 18
9	<i>Madhya Pradesh</i>		
	Madhya Pradesh State Electricity Board	132 KV 33 KV	389 799
10	<i>Maharashtra</i>		
	Maharashtra State Electricity Board	132 KV 110 KV 66 KV 33 KV	161 56 52 531
	Tata Hydro Electric Power Supply Co.	110 KV	19.6
11	<i>Mysore</i>		
	Mysore State Electricity Board	110 KV 66 KV 33 KV	352 53 134
12	<i>Nagaland</i>		
	. . . . .	33 KV	17
13	<i>Orissa</i>		
	. . . . .	DATA NOT	AVAILABLE
14	<i>Punjab</i>		
	Punjab State Electricity Board	132 KV 66 KV 33 KV	331 76 126

TABLE NO. 48—*contd.*

Sl. No.	Undertaking	Line Voltage	Length (Circuit Km.)
1	2	3	4
15	<i>Rajasthan</i>		
	Rajasthan State Electricity Board	220 KV 33 KV	44 640
16	<i>Tamil Nadu</i>		
	Tamil Nadu State Electricity Board	110 KV 66 KV 33 KV	62 48 51
17	<i>Tripura</i>	132 KV (Changed at 33 KV at present) 33 KV	148 231
18	<i>Uttar Pradesh</i>		
	Uttar Pradesh State Electricity Board	220 KV 132 KV 66 KV 375 KV 33 KV	141.6 167.4 90 211 2,069
19	<i>West Bengal</i>		
	West Bengal State Electricity Board	33 KV	49
	Calcutta E.S.C.	132 KV 33 KV (U.G.)	15 23
	D.V.C.	132 KV 33 KV	202 3

TABLE No. 49

Total Installed Transformers Capacity (Max. Contd. Rating) Utilities as on 31-3-1972

Sl. No.	State/Power Corporation	Step-up Transformers		Step-down Transformers with secondary less than 500 V		Distribution Transformers with secondary 500 V and above		Total	
		No.	Aggregate Capacity MVA	No.	Aggregate Capacity (MVA)	No.	Aggregate Capacity (MVA)	No.	Aggregate Capacity (MVA)
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	57	986.63	659	3,471.24	19,873	1,398.38	20,589	5,856.25
2	Assam	43	237.40	124	366.60	1,788	271.59	1,955	875.59
3	Bihar	39@	846.50	394	1,606.22	12,070	807.51	12,503	3,260.23
4	Gujarat	64	665.55	393	2,605.80	16,538	1,442.98	16,995	4,714.33
5	Haryana	9	46.00	206	979.40	17,872	1,215.04	18,087	2,240.44
6	Himachal Pradesh	30	67.58	42	71.70	1,387	80.50	1,459	219.78
7	Jammu & Kashmir	21	65.14	..	..	Data not available		21	65.14
8	Kerala	49@	715.38	130	1,177.55	7,272	505.75	7,451	2,398.68
9	Madhya Pradesh	49\$	835.35	428	1,928.07	11,459	883.42	11,936	3,646.84
10	Maharashtra	124@	2,489.43	838	6,246.67	23,334	2,764.72	24,296	11,500.82
11	Manipur (R)	12@	7.20	..	..	96	5.21	108	12.41
12	Mysore	84@	167.30@	320	2,021.30	22,485	1,346.78	22,889	3,535.38
13	Nagaland	4	1.25	6	4.70	97	9.27	107	15.22
14	Orissa*	21	637.50	214	1,345.95	2,033	220.99	2,268	2,204.44
15	Punjab £.	48	2,974.50	254	4,342.30	13,243	901.00	13,545	8217.80
16	Rajasthan	54	33.71	425	115.87@	8,001	705.27	8,480	854.85
17	Tamil Nadu	79	2,316.23	657@	4,631.01	32,357	2,687.23	33,093	9,634.47
18	Tripura	13	3.90	5	5.00	128	8.90	146	17.80

9	Uttar Pradesh	150	1631.73	965	4,932.23	70,136	2650.85	71,251	9,214.81
0	West Bengal	100@@	840.97	377	2,402.94	4,303	465.65	4,780	3,709.56
21	D.V.C. (R)	17	1,390.00£	53	1,496.50	..	..	70	2,886.50
	<i>Union Territories</i>								
	(a) Delhi (R) . . . . .	..	..	46	377.00	2,036	650.48	2,082	1,027.48
	(b) Andaman & Nicobar Islands	4	1.76	..	..	21	1.53	25	3.29
	(c) Chandigarh	3	1.90	2	12.00	233	58.77	238	72.67
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	22	1.45	222	1.45
	(e) Goa, Daman & Diu . . . . .	..	..	17	102.46	364	25.57	381	128.03
	(f) L. Minicoy & Amindive	1	0.05	1	0.03	1	0.03	3	0.11
	(g) N.E.F.A. . . . .	..	..	..	Data not available	..	..	..	..
	(h) Pondicherry . . . . .	..	..	..	..	374	370.50	374	370.50
	ALL INDIA	1,075	16,962.96	6,556	40,242.54	2,67,523	19,479.37	275,154	76,684.87

@Figures reduced to augmentation/revision/correction.

@@18 No. of distribution x-formers were wrongly shown in step-up x-formers last year by Niahati Electric Supply Co.

(R) Data not received for this year so repeated.

£ Includes BMB

\$ 11 No. of x-formers deleted by SEB (M.P.).

* Data for 1970-71 which was received late last year has been given now due to non-receipt of data for 1971-72.

TABLE No. 50

Important Transformers Commissioned during the Year 1971-72

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	DATA NOT AVAILABLE				
2	Assam					
3	Bihar					
	Bihar State Electricity Board	0-4/11 10-5/132 132/220/33 33/11		8 Details not reported	190,200	
4	Gujarat					
	Gujarat State Electricity Board.	132/66 132/66 66/33 66/33 66/22 66/11 66/11 66/11 66/11	40,000 20,000 7,500 5,000 5,000 15,000 10,000 7,500 5,000	1 2 1 2 2 1 4 2 13	40,000 40,000 7,500 10,000 10,000 15,000 40,000 15,000 65,000	
5	Haryana					
	Haryana State Electricity Board.	11/66 132/66 132/33 66/33/11 66/33 66/11 66/11 33/11 33/11	16,000 40,000 20,000 8,000 16,000 7,500 16,000 5,000 12,500	1 2 1 2 1 2 1 2 1	16,000 80,000 20,000 16,000 16,000 15,000 16,000 10,000 12,500	
6	Kerala					
	Kerala State Electricity Board.	8 Nos. of	230 M.W.			(Details not reported)
7	Madhya Pradesh					
	Madhya Pradesh State Electricity Board.	33/11/4 132/33/11 33/6-6	40,000 15,000 6,245	1 3 1	40,000 45,000 6,245	
	Jabalpur Electric Supply Co.	33/11	5,000	1	5,000	
8	Maharashtra					
	Maharashtra State Electricity Board.	220/22 132/66 132/33 132/33 132/11 110/33 110/11 110/22 66/33 66/11 66/11 33/11	25,000 25,000 25,000 10,000 10,000 20,000 5,000 25,000 10,000 5,000 10,000 5,000 5,000	1 2 1 2 3 2 1 1 2 2 1 15	25,000 50,000 25,000 20,000 30,000 40,000 5,000 25,000 20,000 10,000 10,000 75,000	
9	Mysore					
	Mysore State Electricity Board.	220/110 110/13-2-11 110/33/11 66/13-2/11	100,000 750— 20,000 2,000— 10,000 150— 12,500	1 7 4 22	100,000 54,500 22,000 131,500	

TABLE No. 50—contd.

Sl. No.	State/Power Corporation	Voltage Ratio	Unit Capacity (KVA)	No.	Aggregate Capacity (MVA)	Remarks	
1	2	3	4	5	6	7	
10	Orissa	DATA NOT AVAILABLE					
11	Punjab						
	Punjab State Electricity Board.	11/33	5,000	1	5,000		
		132/11	12,500	3	37,500		
		132/33/11	10,000	1	10,000		
		132/33/11	20,000	1	20,000		
		132/33	16,000	3	48,000		
		66/33/11	5,000	1	5,000		
		66/33	6,000	1	6,000		
		66/11	8,000	1	8,000		
		66/33	12,500	1	12,500		
		66/11	12,500	1	12,500		
		33/11	12,500	2	25,000		
		33/11	5,000	1	5,000		
		33/11	8,000	2	16,000		
12	Rajasthan						
	Rajasthan State Electricity Board.	220/132	50,000	3	150,000		
		132/66/33	9,000	1	9,000		
		132/33	20,000	1	20,000		
		132/33	10,000	2	20,000		
		132/33	6,000	4	24,000		
		132/11	31,500	1	31,500		
		132/11	6,000	3	18,000		
		66/33	6,000	1	6,000		
		33/11	5,000	1	5,000		
		33/11	3,000	2	6,000		
13	Tamil Nadu						
	Tamil Nadu State Electricity Board.	11/110	44,000	1	44,000		
		110/66	12,000	3	36,000		
		110-66/22-11	10,000	2	20,000		
		110/33	25,000	1	25,000		
		110/33	10,000	3	30,000		
		110/33/11	10,000	1	10,000		
		110/22	10,000	2	20,000		
		110/22/11	10,000	1	10,000		
		110/11	10,000	4	40,000		
		66/33	7,500	2	15,000		
		66/33	10,000	1	10,000		
		66/11	5,000	1	5,000		
		66/11	10,000	1	10,000		
		66/11	7,500	1	7,500		
		33/11	5,000	15	75,000		
14	Uttar Pradesh						
	Uttar Pradesh State Electricity Board.	11/220	65,000	1	65,000		
		10.5/220	63,000	1	63,000		
		11/132	37,500	1	37,500		
		220/132	100,000	1	100,000		
		132/66	25,000	1	25,000		
		132/37.5	10,000	1	10,000		
		132/37.5	20,000	3	60,000		
		132/33	20,000	5	100,000		
		132/33	12,500	1	12,500		
		132/11	12,500	2	25,000		
		66/37.5	12,500	1	12,500		
		66/33	7,500	1	7,500		
		66/6.6	5,000	1	5,000		
		33/6.6	5,000	2	10,000		
15	West Bengal						
	West Bengal State Electricity Board.	132/66	15,000	2	30,000		
		132/33	12,500	6	75,000		
	Calcutta Electric Supply Corpn.	132/33	50,000	1	50,000		
		33/20	10,000	1	10,000		
		33/6	16,000	1	16,000		

TABLE No. 51

Classification of Consumer of Utilities as on 31-3-1972

(Figures indicated numbers of consumers in different categories)

Sl. No.	State/Corporation	Domestic		Commercial		Industrial Power Low and Medium		Industrial Power H.V.		Public Lighting	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	771,600	..	226,628	..	24,235	..	674	..	9,817	..
2	Assam	75,713	2,355	6,189	1,152	2,125	38	245	..	290	1
3	Bihar	309,506£	497	140,030	219	30,268	18	742	..	5,219	..
4	Gujarat	1,111,033	443	181,084	193	56,804	12	715	..	4,906	1
5	Haryana	406,015	1,520	85,901	1,061	19,732	22	396	..	306	..
6	Himachal Pradesh	163,534	..	29,322	..	2,290*	..	*	..	138	2
7	Jammu & Kashmir	17,000	..	26,000	..	4,991	..	..	..	191	..
8	Kerala	473,789	..	168,756	..	21,130	..	358	..	1,350	..
9	Madhya Pradesh	462,286	..	88,118	..	31,204	..	395	..	2,511	..
10	Maharashtra	1,590,965	20	381,424	5	73,164	..	1,853	..	1,381	..
11	Manipur (R)	8,004	..	64	..	140	..	..	..	470	..
12	Mysore	895,527	..	108,253	..	43,225	..	573	..	2,254	..
13	Nagaland	9,111φ	..	..	..	127*	..	*	..	4	..
14	Orissa	98,723	..	44,418	..	4,813	..	135	..	735	..
15	Punjab (r)	774,666	69,000	170,691	11,389	32,241	335	127	..	334	10
16	Rajasthan	318,012	..	112,283	..	16,628	..	155	..	1,162	..
17	Tamil Nadu	1,340,664	..	360,902	..	78,818	..	955	..	30,067	..
18	Tripura	7,500	..	600	..	365	..	..	..	8	..
19	Uttar Pradesh	789,732	64,301	189,504	19,286	62,486	2,315	995	..	2,208	18
20	West Bengal	519,908φφ	287,999φφ	81,800	230	30,675	13,655	1,758	..	310	11
21	D.V.C.	..	..	5	..	..	..	12	..	..	..
	<i>Union Territories</i>										
	(a) Delhi	511,685	46	92,729	..	17,636	..	237	..	671	..
	(b) Andaman & Nicobar Islands	4,065	..	86	..	53	..	..	..	8	..
	(c) Chandigarh	36,370	..	5,503	..	444	..	..	..	5	..
	(d) Dadra & Nagar Haveli	251	..	..	..	64	..	3	..	..	..
	(e) Goa, Daman & Diu	28,527	..	8,652	..	1,032	..	50	..	133	..
	(f) L. Minicoy & Amindive	1,522	..	..	..	12	..	..	..	8	..
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	27,503φ	..	..	..	1,027	..	23	..	15	..
	ALL INDIA	10,753,211	426,181	2,508,942	33,535	555,729	16,395	10,401	..	64,444	43

Sl. No.	State/Corporation	Traction		Agricultural		Public Water Works & Sewage		Miscellaneous		Total		Grand Total
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
1	2	13	14	15	16	17	18	19	20	21	22	23
1	Andhra Pradesh	..	..	216,182	..	@	..	98	..	1,249,234	*	1,249,234
2	Assam	..	..	136	..	85	..	5	53	84,738	3,599	88,337
3	Bihar	5	..	74,023	..	532	2	10	..	560,335	736	561,071
4	Gujarat	..	..	79,463	..	2,567	..	753	..	1,437,325	649	1,437,974
5	Haryana	..	..	101,233@@	..	@@	..	5	..	613,588	2,605	616,193
6	Himachal Pradesh	..	..	610	..	**	..	5	..	195,899	*	195,899
7	Jammu & Kashmir	..	..	165	..	225	..	..	..	48,512	*	48,512
8	Kerala	..	..	23,010	..	302	..	50	..	688,745	*	688,745
9	Madhya Pradesh	5	..	89,505	..	636	..	5	..	674,665	*	674,665
10	Maharashtra	15	..	235,195	..	2,137	..	9,634	..	2,295,768	25	2,295,793
11	Manipur (R)	..	..	..	..	5	..	..	..	8,683	..	8,683
12	Mysore	..	..	149,921	..	1,012	..	2	..	1,200,767	..	1,200,767
13	Nagaland	..	..	1	..	15	..	2	..	9,260	..	9,260
14	Orissa	4	..	596	..	233	..	5	..	149,662	..	149,662
15	Punjab (r)	..	..	92,397@@	..	40@@	..	10	..	1,075,506	80,734	1,156,240
16	Rajasthan	..	..	49,296	..	1,269	..	530	..	499,335	..	499,335
17	Tamil Nadu	23	..	598,004	..	3,491	..	13,500	..	2,426,424	..	2,426,424
18	Tripura	..	..	25	..	2	..	..	..	8,500	..	8,500
19	Uttar Pradesh	2	..	147,537	49	507	4	879	64	1,193,850	86,037	1,279,887
20	West Bengal	12	..	1,557	..	173	..	37	..	636,230	301,895	938,125
21	D.V.C.	7	..	..	..	..	..	4	..	28	*	28
<i>Union Territories</i>												
	(a) Delhi	..	..	208	..	61	..	..	..	623,227	46	623,273
	(b) Andaman & Nicobar Islands	..	..	..	..	9	..	..	..	4,221	*	4,221
	(c) Chandigarh	..	..	260	..	..	..	..	..	42,582	*	42,582
	(d) Dadra & Nagar Haveli	..	..	58	..	19	..	..	..	398	*	398
	(e) Goa, Daman & Diu	..	..	238	..	7	..	2	..	38,641	*	38,641
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	1,542	*	1,542
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	5,350	..	..	..	..	..	33,918	*	33,918
	ALL INDIA	73	..	1,869,970	49	13,277	6	25,536	117	15,801,583	476,326	16,277,909

(r) Data for Amritsar Municipality has been repeated.

* H.V. consumers are included in L.V. Industrial consumers.

** Public Water Works consumers in Simla Municipal Corpn. have not been reported.

@@ Public Water works figures included in Agricultural in case of S. E. B's.

(x) Data repeated.

φ Includes commercial figures.

φφ Includes commercial figures of CESC.

£ The Patna Electric Supply Co. has reported separate figures for domestic & commercial cat. this year which were shown against domestic only last year.

@ Included in Industrial Load.

TABLE NO. 52

Classification of Connected Load of Utilities as on 31.3.1972

Sl. No.	State/Corporation	Domestic light and small power		Commercial light and small power		Industrial power lower and medium		Industrial power H.V.		Public Lighting	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	367.25	..	222.02	..	258.80	..	421.44	..	16.66	..
2	Assam	48.20	1.73	12.74	1.05	77.91	0.40	54.00	..	2.13	0.06
3	Bihar	154.44	0.22	97.13	0.28	278.13	0.08	430.87	..	5.25	..
4	Gujarat	599.11	0.06	127.97	0.02	431.01	0.05	522.15	..	17.90	0.01
5	Haryana	113.77	0.32	42.22	0.78	228.50	0.14	182.36	..	1.72	0.03
6	Himachal Pradesh	78.80	..	19.88	..	36.32*	..	..	..	0.68	..
7	Jammu & Kashmir	43.00	..	..	..	52.00	..	..	..	0.85	..
8	Kerala	286.97	..	125.32	..	211.65	..	316.16	..	13.12	..
9	Madhya Pradesh	271.51	..	78.12@	..	252.60	..	304.54	..	11.02	..
10	Maharashtra	1,267.86	Neg.	399.74	Neg.	773.27	..	1,596.57	..	31.00	..
11	Manipur (R)	3.21	..	0.04	..	0.79	..	..	..	0.05	..
12	Mysore	371.62	..	74.43	..	250.06	..	421.55	..	19.07	..
13	Nagaland	9.26	..	..	..	1.55*	..	..	..	0.27	..
14	Orissa	67.59	..	45.43	..	48.08	..	246.79	..	4.18	..
15	Punjab (r)	296.80	5.71	102.21	3.94	390.75	1.66	63.09	..	3.27	0.18
16	Rajasthan	190.71	Neg.	74.20	Neg.	160.28	..	157.02	..	5.80	..
17	Tamil Nadu	686.46	..	293.76	..	499.83	..	666.33	..	36.51	..
18	Tripura	4.50	..	0.60	..	4.00	..	..	..	0.35	..
19	Uttar Pradesh	472.35	38.80	122.59	16.00	574.16	16.70	659.40	..	9.21	0.74
20	West Bengal	496.31	321.37	85.91	0.48	223.46	59.55	870.28	..	6.47	4.21
21	D.V.C.	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>										
	(a) Delhi	369.18	0.80	79.03	*	111.51	..	70.62	..	6.50	..
	(b) Andaman & Nicobar Islands	4.06	..	0.13	..	0.25	..	..	..	0.08	..
	(c) Chandigarh	59.68	..	15.60	..	17.56	..	..	..	0.55	..
	(d) Dadra & Nagar Haveli	0.23	..	..	..	0.88	..	..	..	Neg.	..
	(e) Goa, Daman & Diu	22.98	..	8.83	..	8.46	..	25.29	..	0.43	..
	(f) L. Minicoy & Amindive	0.61	..	..	..	0.15	..	..	..	0.02	..
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	16.51	..	..	..	15.41	..	13.13	..	0.58	..
	ALL INDIA	6,302.97	369.01	2,027.90	22.55	4,907.97	78.58	7,021.99	..	193.67	5.23

Sl. No.	State/Corporation	Traction		Agricultural		Public Water Works and Sewage		Miscellaneous		Total		Grand Total
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
1	2	13	14	15	16	17	18	19	20	21	22	23
1	Andhra Pradesh	..	..	909.70	..	\$	..	2.83	..	2,198.70	..	2,198.70
2	Assam	..	..	3.00	..	1.73	..	4.50	0.08	204.21	3.32	2,207.53
3	Bihar	120.00	..	214.96	..	14.66	Neg.	5.00	..	1,320.44	0.58	1,321.02
4	Gujarat	..	..	488.21	..	48.98	..	7.83	..	2,243.16	0.14	2,243.30
5	Haryana	..	..	456.76	..	@@	..	1.00	..	1,026.33	1.27	1,027.60
6	Himachal Pradesh	..	..	8.39	..	**	..	1.00	..	145.07	..	145.07
7	Jammu & Kashmir	..	..	6.55	..	4.60	..	..	..	107.00	..	107.00
8	Kerala	..	..	97.18	..	5.85	..	0.43	..	1,056.68	..	1,056.68
9	Madhya Pradesh	36.69	..	212.39	..	22.36	..	..	..	1,189.23	..	1,189.23
10	Maharashtra	35.88	..	808.90	..	59.35	..	71.84	..	5,044.41	..	5,044.41
11	Manipur (R)	..	..	0.04	..	..	..	..	..	4.13	..	4.13
12	Mysore	..	..	497.40	..	22.52	..	Neg.	..	1,656.65	..	1,656.65
13	Nagaland	..	..	Neg.	..	0.32	..	Neg.	..	11.40	..	11.40
14	Orissa	23.56	..	13.43	..	8.62	..	..	..	457.68	..	457.68
15	Punjab (r)	..	..	429.09	..	0.55	@@	5.00	..	1,290.76	11.49	1,302.25
16	Rajasthan	..	..	244.63	..	33.60	..	9.40	..	875.64	..	875.64
17	Tamil Nadu	37.68	..	1,867.86	..	23.52	..	335.94	..	4,447.89	..	4,447.89
18	Tripura	..	..	0.25	..	0.40	..	..	..	10.10	..	10.10
19	Uttar Pradesh	77.00	..	935.54	0.14	24.38	0.21	38.91	0.02	2,913.54	72.61	2,986.15
20	West Bengal	100.61	..	22.83	..	29.76	..	0.20	..	1,835.83	385.61	2,221.44
21	D.V.C.	..	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>											
	(a) Delhi	..	..	2.91	..	24.65	..	..	..	664.40	0.80	665.20
	(b) Andaman & Nicobar Islands	..	..	..	..	0.12	..	..	..	4.64	..	4.64
	(c) Chandigarh	..	..	4.72	..	..	..	..	..	98.11	..	98.11
	(d) Dadra & Nagar Haveli	..	..	0.22	..	Neg.	..	..	..	1.73	..	1.73
	(e) Goa, Daman & Diu	..	..	0.86	..	1.10	..	Neg.	..	67.95	..	67.95
	(f) L. Minicoy & Amindive	..	..	..	..	..	..	..	..	0.78	..	0.78
	(g) N.E.F.A.	..	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	20.06	..	0.18	..	..	..	65.87	..	65.87
	ALL INDIA	431.42	..	7,245.88	0.14	327.25	0.21	483.88	0.10	28,942.33	475.82	29,418.15

@Traction load has been separated this year.

(r) Data for Amritsar Municipality has been repeated.

* H.V. load is included in L.V. Industrial load.

** Public Water Works load in Simla has not been reported by Simla Municipal Corporation.

@@Public water works load is included in Agricultural load in case of SEB's.

(R) Data repeated.

⊕ Includes commercial figures.

£ The Patna Electric Supply Co. has reported separate figures for Domestic and Commercial this year which were shown against Domestic only last year.

⊕⊕ Includes Commercial figures of CES Corporation.

⊕ Includes Industrial load.

TABLE NO. 53

Towns Electrified in Various Population Groups (1961 Census) as on 31-3-1972

Sl. No.	States/Union Territories	Total No.	No. electrified in various population groups						Total No. electrified as on 31-3-72
			Upto 4999	5000-9999	10,000-19,999	20,000-49,999	50,000-100,000	Over 100,000	
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	223	7	72	73	51	9	11	223
2	Assam	53	11	20	9	10	1	1	52
3	Bihar	153	8	46	52	33	7	7	153
4	Gujarat	181	8	60	54	43	9	6	180
5	Haryana	61	12	15	15	11	7	1	61
6	Himachal Pradesh	30	18	7	4	1	..	..	30
7	Jammu & Kashmir	43	30	6	4	1	..	2	43
8	Kerala	92	1	18	33	31	5	4	92
9	Madhya Pradesh	219	17	98	57	35	6	6	219
10	Maharashtra	266	15	88	89	47	15	12	266
11	Manipur	1	..	..	..	..	1	..	1
12	Meghalaya	6	..	3	2	..	1	..	6
13	Mysore	231	37	64	81	34	9	6	231
14	Nagaland	3	..	3	..	..	..	..	3
15	Orissa	62	3	25	22	8	3	1	62
16	Punjab	109	20	35	23	23	4	4	109
17	Rajasthan	145	9	51	52	23	4	6	145
18	Tamil Nadu	339	36	95	119	61	19	9	339
19	Tripura	6	..	4	1	..	1	..	6
20	Uttar Pradesh	267	16	79	81	56	18	17	267
21	West Bengal	184	12	49	44	46	19	12	182
	TOTAL (STATES)	2,674	260	838	815	514	138	105	2,670
	(a) Andaman & Nicobar Islands	1	..	..	1	..	..	..	1
	(b) Arunachal Pradesh	Nil	..	..	..	..	..	..	Nil
	(c) Chandigarh	2	..	1	..	..	1	..	2
	(d) Dadra & Nagar Haveli	Nil	..	..	..	..	..	..	Nil
	(e) Delhi	3	..	..	..	1	..	2	3
	(f) Goa, Daman & Diu	13	7	4	1	1	..	..	13
	(g) L. Minicoy & Amindive	Nil	..	..	..	..	..	..	Nil
	(h) Mizoram	1	..	..	1	..	..	..	1
	(i) Pondicherry	5	..	2	1	2	..	..	5
	TOTAL (U.T's.)	25	7	7	4	4	1	2	25
	TOTAL (ALL INDIA)	2,699	267	845	819	518	139	107	2,695

TABLE NO. 54

Villages Electrified in Various Population Groups as on 31-3-1972—1961 Census

Sl. No.	States/Union Territories	Total No.	No. electrified in various population groups						Total No. electrified as on 31-3-72
			Up to 499	500-999	1000-1999	2000-4999	5000-9999	10,000 and above	
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	27,084	880	1,812	3,217	2,893	422	28	9,252
2	Assam	21,295	193	161	186	123	7	..	670
3	Bihar†	67,665	2,840	2,140	1,870	1,260	183	20	8,313
4	Gujarat	18,584	654	1,244	1,578	1,084	139	7	4,706
5	Haryana†	6,669	2,359	1,700	1,300	660	70	2	6,091
6	Himachal Pradesh†	13,060	2,599	380	260	10	..	..	3,249
7	Jammu & Kashmir	6,559	333	219	152	30	1	..	735
8	Kerala	1,573	4	11	26	283	449	495	1,268
9	Madhya Pradesh	70,414	4,049	2,610	1,449	652	27	..	8,787
10	Maharashtra	35,851	4,032	4,081	3,462	1,782	276	28	13,661
11	Manipur†	1,866	41	39	60	45	2	..	187
12	Mysore	26,377	3,761	2,943	2,175	1,044	152	..	10,075
13	Meghalaya	4,407	43	20	8	..	..	..	71
14	Nagaland	814	39	13	16	9	..	..	77
15	Orissa	46,466	1,458	1,133	768	238	13	..	3,610
16	Punjab	11,947	2,548	1,975	1,330	477	35	1	6,366
17	Rajasthan	32,241	1,420	1,063	960	494	86	..	4,023
18	Tamil Nadu	14,124	1,585	2,944	4,405	3,362	445	96	12,837
19	Tripura†	4,932	33	20	20	12	..	..	85
20	Uttar Pradesh†	1,12,624	9,761	7,001	3,627	3,035	308	23	23,755
21	West Bengal	38,454	737	851	913	693	124	10	3,328
	TOTAL (STATES)	5,63,006	39,369	32,360	27,782	18,186	2,739	710	1,21,146
	<i>Union Territories</i>								
	(a) Andaman & Nicobar Islands†	399	16	10	2	..	..	..	28
	(b) Arunachal Pradesh†	2,451	32	6	6	6	..	..	50
	(c) Chandigarh	31	15	12	3	1	..	..	31
	(d) Dadra & Nagar Haveli	72	3	1	6	3	..	..	13
	(e) Delhi	276	76	99	59	42	..	..	276
	(f) Goa, Daman & Diu	245	6	25	47	60	11	2	151
	(g) L. Minicoy & Amindive	10	..	..	2	6	..	..	8
	(h) Mizoram†	..	..	..	2	1	..	..	1
	(i) Pondicherry	388	213	89	62	21	13	..	388
	TOTAL (U.T's.)	3,872	361	242	189	140	14	2	948
	TOTAL ALL INDIA	5,66,878	39,730	32,602	27,971	18,326	2,753	712	1,22,094

†Population-wise break-up estimated.

TABLE No. 55

Electricity Production and Consumption in Selected Industries for the year 1971-72

Sl. No.	Nature of Industry	Total number of factories covered	Installed Generating Plant Capacity as on 31-3-72 (kW)	Aggregate Maximum Demand (KvA)		Energy (Million kWh)		Energy used in Industry (M. kWh)	Energy sold to		Annual Load Factor	Remarks
				Generation in own Power Station	Purchase from Public Utility Undertakings	Generated in own Power Stations (Gross)	Purchased from Public Utility Undertakings		Public Utility Undertakings (M. kWh)	Non-utility Undertakings (M. kWh)		
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Aluminium (Primary)	7	147,800	174,102	411,380	1,043.471	2,553.296	3,488.976	..	..	85.01	
2	Aluminium (Secondary)	11	610	460	12,407	0.019	66.596	66.614	..	..	73.9	
3	Cement (Primary)	33	114,275	84,178	208,586	394,967	1,065.662	1,423.288	..	0.121	69.4	
4	Cement (Secondary)	21	1,230	90	97.959	0.006	24.921	24.927	..	..	35.4	
5	Chemicals	86	98,913	70,305	315,236	437.426	1,422.899	1,809.878	..	..	67.0	
6	Collieries	130	65,553	41,005	134,009	181.146	472.591	633.318	..	1.297	51.6	
7	Copper (Primary)	1	7,975	3,764	10,800	7.022	53.273	59.733	..	..	58.5	
8	Copper (Secondary)	2	..	..	3,065	..	9.754	9.754	..	..	45.4	
9	Cotton Textiles	309	106,569	45,614	621,572	175.063	2,981.636	3,128.102	..	10.826	66.9	
10	Engineering	91	21,663	8,751	288,165	7.623	988.896	989.099	..	6.139	47.5	
11	Ferro-manganese	12	36	250	107,280	0.005	667.543	667.548	..	..	88.6	
12	Fertilizers	16	104,657	85,050	476,545	431.565	2,405.471	2,790.780	5.823	..	70.9	
13	Gold	1	6,700	1,000	21,600	0.079	102.004	102.080	..	..	64.5	
14	Iron & Steel (Primary)	7	368,272	264,088	430,581	1,176.795	2,267.790	2,826.253	..	428.726	58.1	
15	Iron & Steel (Secondary)	21	885	130	131,220	0.004	3,53.462	353.466	..	..	38.4	
16	Jute	72	29,215	15,798	150,373	56.777	645.684	694.632	..	1.792	59.7	
17	Mines	10	4,964	849	15,610	0.205	65.597	65.792	..	..	57.0	
18	Oil & Petroleum	11	87,601	69,105	44,178	400.986	167.202	408.850	123.363	0.542	51.5	
19	Paper	50	114,908	91,134	128,442	489.800	87.083	1,095.788	..	33.487	71.2	

20	Silk	21	63,378	44,300	96,218	462.678	547.118	785.374	..	0.024	79.8
21	Sugar	138	215,831	171,535	38,477	342.041	83.343	391.056	..	..	26.6
22	Soap	11	1,659	62	11,521	0.003	50.651	50.654	..	2.885	62.4
23	Tanneries	6	862	388	6,683	0.506	20.516	20.982	..	..	42.3
24	Woollen	11	3,428	1,670	16,007	3.485	60.367	58.155	..	5.384	46.9
25	Miscellaneous	40	9,811	5,588	42,119	4.450	137.625	141.894	..	0.006	42.4
	TOTAL	1,098	1,576,795	1,179,795	3732,033	5,415.722	17,900.980	22,086.993	129.186	491.229	64.2

TABLE No. 56

Statewise Electricity Production and Consumption in Selected Industries for the year 1971-72

Sl. No.	States/Union Territories	Total number of factories covered	Installed generating Plant Capacity as on 31-3-72 (kW)	Aggregate Maximum Demand (KVA)		Energy (Million kWh)			Energy sold to (M. kWh)		Remarks	
				Generation in own Power Station	Purchase from Public Utility Undertakings	Generated in own Power Stations		Purchased from Public Utility Undertakings	Energy used in Industry (Million kWh)	Public Utility Undertakings		Non-Utility Undertakings
						Gross generation	Net generation					
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Andhra Pradesh	49	97,882	67,024	166,361	242.381	214.221	869.763	1,049.175	..	34.713	
2	Assam	10	18,409	13,105	23,346	55.418	50.733	97.236	147.426	..	0.542	
3	Bihar	101	309,477	231,902	346,055	1,125.884	1,012.662	1,584.904	2,197.244	6.283	394.039	
4	Gujarat	116	91,266	72,048	298,616	443.583	417.734	1,515.676	1,810.482	122.903	0.024	
5	Haryana	17	21,577	14,449	45,295	70.737	67.911	217.010	284.920	..	..
6	Jammu & Kashmir . . . . .	..	DATA NOT AVAILABLE	..	..	..	..	..	..	..	..
7	Kerala	41	35,544	23,875	159,322	77.309	69.718	896.149	965.863	..	0.006	
8	Madhya Pradesh	47	121,771	93,384	181,385	486.750	406.663	900.118	1,266.536	..	40.246	
9	Maharashtra	235	126,350	77,600	639,572	224.291	204.612	3,065.764	3,260.637	..	8.080	
10	Mysore	44	50,881	19,542	326,805	55.844	51.298	1,820.673	1,871.972	..	..
11	Orissa	12	146,042	120,594	205,487	515.552	434.868	1,118.188	1,553.056	..	..
12	Punjab	15	5,556	3,710	247,568	1.019	0.958	1,033.417	1,034.375	..	..
13	Rajasthan	23	83,699	67,021	63,214	339.480	297.878	281.249	580.127	..	..
14	Tamil Nadu	94	62,815	41,783	253,721	116.573	105.867	1,205.788	1,311.655	..	..
15	Uttar Pradesh	79	210,052	208,028	254,420	1,086.413	987.830	1,208.434	2,180.136	..	0.990	
16	West Bengal	196	161,937	104,746	490,061	441.691	382.258	1,961.848	2,331.390	..	12.589	
17	<i>Union Territories</i>											
	(a) Delhi	7	28,666	17(a)19,976	13,001	132.730	117.172	39.816	156.988	..	..
	(b) The Rest	12	4,871	(b)429	17,804	0.067	0.064	84.947	85.011	..	..
	TOTAL	1,098	1,576,795	1,179,216	3,732,033	5,415.722	4,822.447	17,900.980	22,086.993	129.186	491.229	

TABLE No. 57

Distribution of Energy Generation in Industrial Establishments according to the range of their Installed Plant Capacity for the year 1971-72

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 generated	Remarks
1	2	3	4	5	6	7	8
1	Upto 1,000	310	103,744	6.58	59.533	1.10	
2	1,001 to 10,000	165	498,024	31.58	1,142.690	21.10	
3	10,001 to 25,000	25	388,015	24.61	1,531.901	28.29	
4	Over 25,000	7	587,012	37.23	2,681.598	49.51	
	TOTAL .	507	1,576,795	100.00	5,415.722	100.00	

TABLE

Installed Generating Plant Capacity of Selected

Sl. No.	Name of State/Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Colliceries
1	2	3	4	5	6	7	8
1	Andhra Pradesh . . . .	..	..	..	310	125	40,300
2	Assam . . . . .	..	..	..	..	205	1,103
3	Bihar	4,000	..	32,500	..	..	16,000
4	Gujarat . . . . .	..	..	16,600	75	15,298	..
5	Haryana . . . . .	..	..	2,700	..	455	..
6	Jammu & Kashmir . . . .	..	..	..	..	..	..
7	Kerala . . . . .	..	400	..	295	1,181	..
8	Madhya Pradesh . . . . .	..	..	19,655	..	..	5,150
9	Maharashtra . . . . .	..	..	..	150	16,137	..
10	Mysore	350	..	10,220	..	1,000	..
11	Orissa . . . . .	..	210	370	..	..	3,000
12	Punjab . . . . .	..	..	..	..	180	..
13	Rajasthan . . . . .	..	..	30,288	..	35,000	..
14	Tamil Nadu . . . . .	..	..	1,375	400	150	..
15	Uttar Pradesh	125,000	..	567	..	12,842	..
16	West Bengal	18,450	..	..	..	1,530	..
17	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	14,810	..
	(b) The Rest . . . . .	..	..	..	..	..	..
	TOTAL	147,800	610	114,275	1,230	98,913	65,553

No. 58

Industries as on 31st March, 1972

Copper (Primary)	Copper (Secordary)	Cotton Textiles	Engineering	Ferro- Manganse	Fertiliser	Gold
9	10	11	12	13	14	15
..	..	3,090	500	..	200	..
..	250	..
7,975	1,470	..	80,500	..
..	..	7,957	..	..	1,950	..
..	..	3,338	776	..	..	..
..
..	..	489	165	..	17,300	..
..	..	16,561	3,100	..	..	..
..	..	24,296	3,536	..	500	..
..	..	4,404	5,649	36	..	6,700
..
..	..	2,280	133	..	545	..
..	..	9,685	1,596	..	160	..
..	..	15,904	1,341	..	852	..
..	..	3,346	822	..	..	..
..	..	192	2,575	..	2,400	..
..	..	13,856	..	..	..	..
..	..	1,171	..	..	..	..
7,975	..	106,569	21,663	36	104,657	6,700

TABLE

Sl. No.	Name of the State/Union Territory	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Mines	Oil & Petroleum	Paper
1	2	16	17	18	19	20	21
1	Andhra Pradesh . . . .	..	..	..	..	75	23,000
2	Assam . . . . .	..	..	..	..	16,476	..
3	Bihar	120,500	..	3,095	750	24,000	..
4	Gujarat . . . . .	..	50	..	305	24,000	6,000
5	Haryana . . . . .	..	..	..	..	..	9,750
6	Jammu & Kashmir . . . .	..	..	..	..	..	..
7	Kerala . . . . .	..	..	..	..	..	180
8	Madhya Pradesh	36,000	..	..	284	..	21,525
9	Maharashtra . . . . .	..	235	..	..	..	..
10	Mysore	1,760	..	..	..	..	5,553
11	Orissa	130,012	..	..	..	..	12,000
12	Punjab . . . . .	..	..	..	..	..	..
13	Rajasthan . . . . .	..	..	..	..	..	..
14	Tamil Nadu . . . . .	..	..	..	..	23,000	2,500
15	Uttar Pradesh . . . . .	..	..	750	..	..	5,200
16	West Bengal	80,000	600	25,370	..	50	29,200
17	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) The Rest . . . . .	..	..	..	3,625	..	..
	TOTAL	368,272	885	29,215	4,964	87,601	114,908

No. 58 *contd.*

Silk	Soap	Sugar	Tanneries	Wool	Miscellaneous	Total
22	23	24	25	26	27	28
..	..	28,967	..	..	1,315	97,882
..	..	..	..	..	375	18,409
..	..	18,327	..	..	360	309,477
15,028	..	3,955	..	48	..	91,266
..	..	4,558	..	..	..	21,577
..
11,400	..	3,305	..	..	829	35,544
16,250	..	3,246	..	..	..	121,771
16,630	1,209	61,808	..	..	1,849	126,350
..	..	15,179	..	30	..	50,881
..	..	450	..	..	..	146,042
..	..	650	..	900	868	5,556
4,070	..	879	..	..	2,021	83,699
..	375	16,186	412	..	320	62,815
..	75	57,299	450	2,450	1,251	210,052
..	..	1,022	..	..	548	161,937
..	..	..	..	..	..	28,666
..	..	..	..	..	75	4,871
63,378	1,659	215,831	862	3,428	9,811	1,576,795

TABLE
Energy Consumed in Selected

Sl. No.	Name of State/Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries
1	2	3	4	5	6	7	8
1	Andhra Pradesh . . . .	..	..	119·846	..	46·042	91·424
2	Assam . . . . .	..	..	..	..	0·998	3·013
3	Bihar	16·526	..	305·397	1·596	19·448	302·419
4	Gujarat . . . . .	..	..	200·215	3·891	175·215	..
5	Haryana . . . . .	..	..	67·405	..	17·079	..
6	Jammu & Kashmir . . . .	..	..	..	..	..	..
7	Kerala	368·500	5·985	7·143	0·852	183·725	..
8	Madhya Pradesh . . . . .	..	..	152·447	6·341	..	56·380
9	Maharashtra . . . . .	..	16·941	..	3·307	551·908	2·464
10	Mysore	767·897	..	137·245	..	6·801	..
11	Orissa	429·106	4·773	50·994	..	..	13·577
12	Punjab . . . . .	..	..	..	..	2·225	..
13	Rajasthan . . . . .	..	..	152·826	0·689	295·527	..
14	Tamil Nadu	275·785	0·102	183·807	1·485	191·391	..
15	Uttar Pradesh	1,429·819	..	45·963	..	68·230	..
16	West Bengal	201·343	38·813	..	6·750	167·030	164·041
17	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	0·016	84·259	..
	(b) The Rest . . . . .	..	..	..	..	..	..
	TOTAL	3,488·976	66·614	1,423·288	24·927	1,809·878	633·318

No. 59

Industries During the Year 1971-72

Copper (Primary)	Copper (Secondary)	Cotton Textiles	Engineering	Ferro- Manganese	Fertilizers	Gold
9	10	11	12	13	14	15
..	..	23·171	41·988	277·617	156·585	..
..	78·662	..
59·733	320·695	..	394·833	..
..	..	907·831	5·183	..	343·598	..
..	..	23·170	38·952	..	..	..
..
..	..	18·524	13·568	..	257·647	..
..	..	160·352	38·804	3·046	..	..
..	9·754	1,077·533	159·029	120·623	239·040	..
..	..	67·384	134·135	42·812	0·713	102·080
..	13·200	223·450	..	..
..	..	43·358	..	..	969·206	..
..	..	53·030	15·778	..	0·198	..
..	..	372·640	33·491	..	102·286	..
..	..	183·121	20·140	..	246·999	..
..	..	86·655	154·136	..	1·013	..
..	..	72·686	..	..	..	..
..	..	38·647	..	..	..	..
59·733	9·754	3,128·102	989·099	667·548	2,790·780	102·080

TABLE
Energy Consumed in Selected

Sl. No.	Name of State/Union Territory	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Mines	Oil & Petroleum	Paper
1	2	16	17	18	19	20	21
1	Andhra Pradesh . . .	..	..	18·224	..	19·227	154·231
2	Assam . . . . .	..	..	..	..	63·566	..
3	Bihar	595·933	42·526	10·768	18·328	87·379	..
4	Gujarat . . . . .	..	0·334	..	0·127	66·048	31·803
5	Haryana . . . . .	..	..	..	..	..	134·745
6	Jammu & Kashmir . .	DATA NOT AVAILABLE					
7	Kerala . . . . .	..	..	..	..	..	14·779
8	Madhya Pradesh . . .	582·028	..	..	..	..	181·941
9	Maharashtra . . . . .	..	155·738	..	..	115·841	93·236
10	Mysore	455·988	..	..	1·193	..	93·146
11	Orissa	700·274	..	..	..	..	116·094
12	Punjab . . . . .	..	..	..	..	..	..
13	Rajasthan . . . . .	..	..	..	..	..	..
14	Tamil Nadu . . . . .	..	3·819	..	..	55·976	48·719
15	Uttar Pradesh . . . .	..	11·123	11·105	..	..	41·709
16	West Bengal	492·030	139·926	654·535	..	0·813	185·285
17	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) The rest . . . . .	..	..	..	46·204	..	..
	TOTAL	2,826·253	353·466	694·632	65·792	408·850	1,095·788

No. 59—contd.

Industries During the Year 1971-72

Soap	Silk	Sugar	Tanneries	Woollen	Miscellaneous	Total
22	23	24	25	26	27	28
..	33·564	59·498	..	..	7·758	1,049·175
..	..	..	..	..	1·187	147·426
..	..	19·624	..	..	2·039	2,197·244
..	61·405	9·198	..	5·326	0·308	1,810·482
..	..	3·569	..	..	..	284·920
..
..	87·749	3·259	..	..	5·132	965·863
..	82·016	3·181	..	..	..	1,266·536
32·987	476·282	117·385	..	10·459	78·110	3,260·637
0·777	0·061	34·135	0·074	27·491	..	1,871·972
..	..	1·588	..	..	..	1,553·056
..	1·656	0·604	..	7·505	9·821	1,034·375
..	42·042	1·436	..	..	18·601	580·127
3·876	..	33·841	1·129	..	3·308	1,311·655
3·441	..	104·398	2·673	7·340	4·075	2,180·136
9·573	0·572	0·340	17·106	0·034	11·395	2,331·390
..	0·027	..	..	..	..	156·988
..	..	..	..	..	0·160	85·011
50·654	785·374	391·056	20·982	58·155	141·894	22,086·993

TABLE
Installed Plant Capacity and Energy Generation

Sl. No.	Name of Railways	Installed Plant Capacity (kW)				
		Steam	Diesel	Hydro	Total	Maximum Demand KVA
1	2	3	4	5	6	7
1	Central Railway*	1,750	3,305	..	5,055	3,275
2	Eastern Railway	4,800	10	..	4,810	2,905
3	Northern Railway	4,900	5,370	..	10,270	6,562
4	North-Eastern Railway	3,000	2,263	..	5,263	5,985
5	North-East-Frontier Railway	..	11,056	..	11,056	8,063
6	Southern Railway	..	248	..	248	..
7	South-Central Railway	..	2,865	..	2,865	1,996
8	South-Eastern Railway	7,160	36	..	7,196	2,390
9	Western Railway	7,800	3,966	..	11,766	5,679
	TOTAL	29,410	29,119	..	58,529	36,855

*Excludes Kalyan Power House, which is taken under utility.

No. 60

by the Indian Railways during the year 1971-72

Energy Generated (M. kWh)				Energy used for power station auxiliaries (M. kWh)	Fuel consumed			Remarks
Steam	Diesel	Hydro	Total		Coal (Tonnes)	Furnace Oil (K.lit)	Light/high speed diesel oil (k. Lit.)	
8	9	10	11	12	13	14	15	16
..	0.109	..	0.109	0.015	..	..	58	
9.923	0.002	..	9.925	1.054	13,145	..	1	
4.830	1.241	..	6.071	0.815	10,040	..	682	
0.036	0.257	..	0.293	@0.020	95	..	88	
..	10.915	..	10.915	@0.546	..	..	3,692	
..	
..	0.300	..	0.300	0.003	..	..	126	
6.463	0.013	..	6.476	@0.518	10,926	..	11	
7.735	1.172	..	8.907	0.830	12,115	..	458	
28.987	14.009	..	42.996	3.801	46,321	..	5,116	

*Excludes Kalyan Power House, which is taken under utility.
 @Partly estimated.

Statewise Installed Plant Capacity and Energy Generation

Sl. No.	Name of State/Union Territory	Installed Plant Capacity (kW)				Maximum Demand (KVA)
		Steam	Diesel	Hydro	Total	
1	2	3	4	5	6	7
1	Andhra Pradesh . . . . .	..	87	..	87	..
2	Assam . . . . .	..	5,651	..	5,651	5,025
3	Bihar	4,800	1,623	..	6,423	4,388
4	Gujarat	3,300	1,269	..	4,569	2,170
5	Haryana . . . . .	..	724	..	724	805
6	Jammu & Kashmir . . . . .	..	..	..	..	..
7	Kerala . . . . .	..	64	..	64	..
8	Madhya Pradesh . . . . .	..	1,255	..	1,255	1,121
9	Maharashtra	1,750	1,867	..	3,617	830
10	Mysore . . . . .	..	1,335	..	1,335	1,316
11	Nagaland . . . . .	..	100	..	100	56
12	Orissa . . . . .	..	36	..	36	15
13	Punjab . . . . .	..	939	..	939	1,175
14	Rajasthan	4,500	4,801	..	9,301	5,194
15	Tamil Nadu . . . . .	..	160	..	160	..
16	Uttar Pradesh	7,900	4,675	..	12,575	10,038
17	West Bengal	7,160	4,497	..	11,657	4,709
18	<i>Union Territories</i>					
	(a) Delhi . . . . .	..	26	..	26	..
	(b) The Rest . . . . .	..	10	..	10	13
	TOTAL	29,410	29,119	..	58,529	36,855

No. 61

by the Indian Railways during the Year 1971-72

Energy Generated (M. kWh)				Energy used for Power Station auxiliaries (M. kWh)	Fuel Consumed			Remarks
Steam	Diesel	Hydro	Total		Coal (Tonnes)	Furnace Oil (K. lit.)	Light/High speed diesel oil (K.lit)	
8	9	10	11	12	13	14	15	16
..	
..	3·850	..	3·850	0·192	..	..	1,297	
9·923	0·550	..	10·473	1·082	13,145	..	214	
5·981	0·149	..	6·130	0·470	7,430	..	53	
..	0·094	..	0·094	0·007	..	..	44	
..	
..	
..	0·158	..	0·158	0·015	..	..	75	
..	0·131	..	0·131	0·001	..	..	51	
..	0·182	..	0·182	0·001	..	..	81	
..	0·135	..	0·135	0·007	..	..	53	
..	0·012	..	0·012	0·001	..	..	11	
..	0·114	..	0·114	0·003	..	..	47	
1·754	1·936	..	3·690	0·373	4,685	..	934	
..	
4·866	0·125	..	4·991	0·805	10,135	..	68	
6·463	6·569	..	13·032	0·844	10,926	..	2,188	
..	
..	0·004	..	0·004	..	..	..	..
28·987	14·009	..	42·996	3·801	46,321	..	5,116	

TABLE No. 62

Electrical Accidents—1971-72

Sl. No.	Name of State/ Union Territory	Generating & Sub-stations				Transmission				Distribution				Total	
		Electric Supply Undertaking		Industrial Undertaking		Electric Supply Undertaking		Industrial Undertakings		Electric Supply Undertaking		Industrial Undertaking		Fatal	Non-Fatal
		Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal		
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Andhra Pradesh .	3	10	..	1	17+3*	22	..	..	66+15*	58	..	1	86+18*	92
2	Assam . . . .	..	1	1*	—	3+2*	6	..	..	9+2*	3	..	..	12+5*	10
3	Bihar . . . .	..	2	3	..	..	1	2	1	2	..	7	4	14	8
4	Gujarat	13	24	2	4	62	67	..	..	113	68	9	9	199	172
5	Haryana . . . .	..	..	..	..	..	..	..	..	31+62*	36+14*	..	..	31+62*	36+14*
6	Himachal Pradesh .	1	1	..	..	..	..	..	..	10+1*	18	..	..	11+1*	19
7	Jammu & Kashmir .	DATA	NOT	A	VAILAB	LE									
8	Kerala . . . .	..	5	..	..	..	3	..	..	*24+61	157	..	5	*24+61	170
9	Madhya Pradesh .	1+1*	3	..	..	29+3*	26	..	1	74+35*	75	8+2*	7	112+41*	112
10	Maharashtra . . .	..	..	..	..	..	..	..	..	14	29	6	13	20	42
11	Manipur . . . .	..	..	..	..	..	..	..	..	1	1	..	..	1	1
12	Mysore	2	..	..	..	26+15*	2	..	109	43+16*	2	..	..	71+31*	113
	Nagaland . . . .	..	..	..	..	..	..	..	..	1	2	..	..	1	2

14	Orissa	1	1	..	..	..	..	..	..	20	18	5	6	26	25
15	Punjab . . . . .	..	4	..	..	14+4*	21	..	..	30+99*	14	..	1	44+103*	40
16	Rajasthan	7	29	..	..	13	26	..	..	32+9*	46	2	..	34+9*	101
17	Tamil Nadu	46	92	..	..	..	..	..	..	198	113	..	..	244	205
18	Tripura . . . . .	..	..	..	..	..	..	..	..	2	2	..	..	2	2
19	Uttar Pradesh	4+1*	..	..	..	79+13*	102	..	..	62+38*	92+1*	..	..	145+52*	194+1*
20	West Bengal . . . . .	..	..	..	..	7+1*	5	2	..	42+18*	10	2+2*	..	53+21*	15
21	Central Govt. Deptt. & H.S.L. . . . .	..	..	..	..	3	5	..	..	3	9	..	..	6	14
22	Railways . . . . .	..	..	2	..	..	..	1	1	..	..	33	30	36	31
23	Mines . . . . .	..	..	4	3	..	..	2	..	..	..	8	7	14	10
	<i>Union Territories</i>														
	(a) Andaman & Nicobar Islands . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Chandigarh	DATA	NOT A	VAILAB	LE										
	(c) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Delhi	1	11	3	2	2	..	..	..	8+4*	19	1	..	15+4*	32
	(e) Goa, Daman & Diu . . . . .	..	-	..	..	..	..	..	..	4+2*	4	..	..	4+2*	4
	(f) L. Minicoy & Amindive Islands	DATA	NOT A	VAILAB	LE										
	(g) Pondicherry . . . . .	..	..	..	..	..	..	..	..	5	2	..	..	5	2
	ALL INDIA	79+2*	183	14+1*	10	255+41*	286	7	112	831+325*	778+15*	81+4*	83	1267+373*	1452+15*

*Accidents to Animal.

SECTION-II
FINANCIAL STATISTICS

TABLE No. 1

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 31st March, 1971.

CAPITAL EXPENDITURE

(Figures in Rs. lakhs)

Sl. No.	States, Corporation and Union Territories	STATE OWNED				PRIVATE		TOTAL	
		Government Boards and Corporations		Municipalities		Companies*		1969-70	1970-71
		1969-70	1970-71	1969-70	1970-71	1969-70	1970-71		
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	18,745	21,402	..	..	..	..	18,745	21,402
2	Assam	5,792	5,798	..	..	131	140	5,923	5,938
3	Bihar	15,156	17,172	..	..	784	827	15,940	17,999
4	Gujarat	13,513	15,347	279	306	4,086	4,283	17,878	19,936
5	Haryana	9,803	11,503	..	..	12	12	9,815	11,515
6	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..
7	Kerala	11,390	12,031	38	38	118	55	11,546	12,124
8	Madhya Pradesh	16,780	16,275	..	..	248	261	17,028	16,536
9	Maharashtra	18,823	23,521	4,904	5,035	10,422	10,680	34,149	39,236
10	Mysore	10,401	10,976	..	..	139	195	10,540	11,171
11	Nagaland . . . . .	..	..	..	..	..	..	..	..
12	Orissa	5,991	9,503	..	..	..	..	5,991	9,503
13	Punjab	13,107	14,507	191	198	11	13	13,309	14,718
14	Rajasthan	10,885	12,630	..	..	196	202	11,081	12,832
15	Tamil Nadu	30,362	35,488	190	209	1,081	1,177	31,633	36,874
16	Uttar Pradesh	35,664	38,330	273	283	3,275	3,375	39,212	41,988
17	West Bengal	8,051	8,246	26	26	8,242	8,478	16,319	16,750
18	Power Corporation (DVC & Durgapur)	19,149	19,139	..	..	..	..	19,149	19,139

19	<i>Union Territories</i>								
	(a) Delhi . . . . .	..	..	5,541	6,080	..	..	5,541	6,080
	(d) The Rest	1,384	1,663	62	64	..	..	1,446	1,727
	TOTAL .	244,996	273,531	11,504	12,189	28,745	29,698	285,245	315,418

*Includes Renuagar (Non-Utility Company).

TABLE II
Public Electricity Industry—Consolidated Annual Accounts for the year ended 31st March, 1971
CAPITAL ACCOUNT

(Figures in Rs. lakhs)

1969-70	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total	1969-70	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	1. TO GENERATION ASSETS						1. BY CAPITAL RAISED				
G— 52,863 M— 2,634 C— 9,641	(a) Steam Power Station—					G—2,78,322 M— 9,345	(a) Invested by States—				
	(i) Land	344	5	123	472		(i) Government Undertakings	3,12,712	..	..	3,12,712
	(ii) Buildings	6,235	83	1,050	7,368		(ii) Municipal Undertakings . . . . .	..	9,868	..	9,868
	(iii) Boilers, Turbine etc.	45,117	2,544	8,196	55,857	2,87,667	GROUP TOTAL	3,12,712	9,868	..	3,22,580
	(iv) Other Equipments	3,890	..	340	4,230	Companies	(b) Invested by Private Sector—				
65,138	GROUP TOTAL	55,586	2,632	9,709	67,927	O— 4,513	(i) Ordinary Share Capital . . . . .	..	..	4,517	4,517
	(b) Oil Power Stations—					P— 982	(ii) Preference Share Capital . . . . .	..	..	981	981
	(i) Land	129	1	4	134	D— 2,994	(iii) Debentures . . . . .	..	..	3,912	3,192
	(ii) Buildings	394	13	23	430	SL— 2,117	(iv) Other Secured Loan Capital . . . . .	..	..	2,962	2,962
	(iii) Engines, Generators etc.	2,469	188	110	2,767	G— 270	2. BY CAPITAL RESERVE	341	184	226	751
	(iv) Other Equipments	230	..	..	230	M— 184 C— 224					
G— 2,838 M— 201 C— 187	GROUP TOTAL	3,222	202	137	3,561	678	3. BY CONSUMERS CONTRIBUTION FOR SERVICE LINES	5,261	536	1,999	7,796
3,226						G— 4,079 M— 495 C— 1,835					
	(c) Hydro Power Stations—					6,409					
	(i) Land	1,020	1	73	1,094						
	(ii) Buildings	5,000	3	121	5,124						
	(iii) Hydraulic Power Plant	34,860	36	437	35,333						
	(iv) Civil Works	10,531	28	1,437	11,996						
G— 47,297 M— 68 C— 2,032	GROUP TOTAL	51,411	68	2,068	53,547						
49,397	SUB-TOTAL	1,10,219	2,902	11,914	1,25,035						
7 761	(Generation Assets)										

2,542	2. TO TRANSMISSION ASSETS	51,661	250	2,667	54,578					
	3. TO DISTRIBUTION ASSETS—									
	(i) Cables and Mains	57,702	2,528	5,212	65,442					
	(ii) Sub-Stations, Transformers	20,260	1,570	3,201	25,031					
	(iii) Service Lines	12,933	1,162	3,051	17,146					
	(iv) Public Lighting	1,265	218	274	1,757					
	(v) Meters, Testing Instruments, etc.	6,112	784	1,492	8,388					
	GROUP TOTAL	98,272	6,262	13,230	1,17,764					
	4. TO GENERAL ASSETS—									
	(i) Land, Buildings and Structures etc.	4,760	412	446	5,618					
	(ii) Office Furniture and Misc. Equipment	3,543	97	423	4,063					
	(iii) Workshop Plant and Equipment, tools and implements	1,821	75	47	1,943					
	(iv) Transportation and Communication	2,437	63	236	2,736					
	GROUP TOTAL	12,561	647	1,152	14,360					
	5. TO INTANGIBLE ASSETS	818	1	735	1,554					
	6. TO SPECIAL ITEMS— (Tramways in the case of Bombay) . . . . .	..	2,127	..	2,127	G—2,82,671 M—10,024 C—12,665			
	TOTAL CARRIED TO GENERAL BALANCE SHEET	2,73,531	12,189	29,698	3,15,418	3,05,360	3,18,314	10,588	13,877	3,42,779
G— 82,071 M— 5,595 C— 12,357 <hr/> 1,00,023										
G— 9,103 M— 568 C— 1,135 <hr/> 10,806 G— 1,072 M— 59 C— 804										
M— 1,935 2,178										
G—2,44,996 M— 11,504 C— 28,745 <hr/> 2,85,245										

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

TABLE NO. III
Revenue Account, 1970-71

(Figures in Rs. lakhs)

1969-70	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total	1969-70	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	TO OPERATING EXPENSES						BY OPERATING REVENUES				
	1. GENERATION						1. SALES OF ELECTRICITY—				
G— 5,453 M— 408 C— 2,476	(a) (i) Coal	6,805	497	2,476	9,778	G— 4,917 M— 1,129 C— 2,267	(i) Domestic and Residential	5,625	1,294	2,367	9,226
8,337						8,313					
G— 138 M— 7 C— 27	(ii) Oil	137	15	13	165	G— 3,105 M— 913 C— 943	(ii) Commercial	3,402	1,071	1,088	5,561
172						4,961					
G— 199 M— 6 C— 36	(iii) Consumable Stores	258	5	46	309	G— 16,975 M— 1,089 C— 6,927	(iii) Industrial	19,117	1,201	7,571	27,889
241						24,991					
G— 1,362 M— 67 C— 312	(b) Salaries and Wages	1,869	66	334	2,269	G— 704 M— 56 C— 162	(iv) Public Lighting	804	82	171	1,057
1,741						922					
G— 1,357 M— 17 C— 409	(c) Repairs & Maintenance	1,625	25	513	2,163	G— 471 M— 145 C— 231	(v) Public Water Works and Sewage Pumping	783	166	266	1,215
1,783						847					
G— 5,623 M— 1,410 C— 4,231	(d) Purchase of Energy	7,156	1,614	5,235	14,005	G— 5,075 M— 18 C— 79	(vi) Irrigation	6,208	17	87	6,312
11,264						5,172					

2. TRANSMISSION													
G—	417	(a) Salaries and Wages . . .	512	5	66	583	G—	1,023	(vii) Traction	1,132	2	282	1,416
M—	5						M—	2					
C—	59						C—	208					
	481							1,233					
G—	316	(b) Repairs and Maintenance . .	382	..	37	419	G—	6,560	(viii) Supplies in Bulk to	8,689	517	1,861	11,067
M—	—						M—	404	Distributing Licences.				
C—	31						C—	1,510					
	347							8,474					
3. DISTRIBUTION													
G—	2,067	(a) Salaries and Wages . . .	2,854	304	494	3,652	G—	528	2. METER AND OTHER	649	89	172	910
M—	265						M—	82	RENTALS				
C—	448						C—	152					
	2,780							762					
G—	1,522	(b) Repairs and Maintenance . .	2,045	100	341	2,486	G—	150	3. SERVICE CONNECTION	222	3	9	234
M—	101						M—	3	FEES				
C—	293						C—	10					
	1,916							163					
G—	153	(c) Public Lighting (Attendance					G—	37	4. PUBLIC LIGHTING				
M—	42	repairs & renewals). . . .	233	41	100	374	M—	80	MAINTENANCE	44	96	26	166
C—	84						C—	24					
	279							141					
4. CONSUMER SERVICING (Billing, Accounting, etc.)													
G—	222	(a) Salaries and Wages . . .	348	12	354	414	G—	2,932	5. MISCELLANEOUS	10,875	254	222	11,351
M—	11						M—	196	RECEIPTS				
C—	39						C—	197					
	272							3,325					
G—	562	(b) Other Expenses	657	169	325	1,151							
M—	154												
C—	298												
	1,014												
5. GENERAL ESTABLISHMENT CHARGES													
G—	2,354	(a) Salaries and Wages . . .	2,379	72	290	2,741							
M—	62												
C—	239												
	2,655												

TABLE III— Contd.
Revenue Account, 1970-71

(Figures in Rs. lakhs)

1969-70		Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total	1969-70		Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total
1		2	3	4	5	6	7	8	9	10	11	12	
G— 2,027 M— 234 C— 760		(b) Other expenses (including Provident Fund etc.)	2,483	239	853	3,575							
3,021		6. MANAGEMENT EXPENSES											
G— 17		(a) Directors fee and expenses	..	..	15	15							
G— 107		(b) Managing Agents Ordinary Remuneration and Office Allowances.	..	..	25	25							
M— 68		7. ADMINISTRATION Members Remuneration and other expenses (L. A.).	..	62	..	62							
G— 7,134 M— 264 C— 854		8. DEPRECIATION	8,125	283	887	9,295							
8,252		TOTAL OPERATING EXPENSES	37,868	3509	12104	53481							
G— 30,906 M— 3,121 C— 10,720		TO BALANCE CARRIED OVER	19,682	1,223	2,018	22,923							
44,747													
G— 11,571 M— 996 C— 1,990													
14,557													
G— 42,477 M— 4,117 C— 12,710							G— 42,477 M— 4,117 C— 12,710						
59,304		TOTAL	57,550	4,732	14,122	76,	59,304	TOTAL	57,550	4,732	14,122	76,404	

TABLE NO. IV

Net Revenue and Appropriation Account 1970-71

(Figures in Rs. lakhs)

1969-70	Particulars	Govt. Depts./ Boards/ Power Corporations	Municipalities	Companies	Total	1969-70	Particulars	Govt. Depts./ 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— 11,571 M— 996 C— 1,990 14,557	By Balance brought forward from Revenue Account.	19,682	1,223	2,018	22,923
M— 72	(a) Interest on loan Capital	..	80	..	80	G— 286 M— 19 C— 57 362	By interest on Securities and investment.	311	25	55	391
M— 18	(b) Instalment of redemption of loan Capital	..	30	..	30						
M— 243	(c) General rates	..	228	..	228						
C— 303	To taxes on income and profits	..	..	432	432	M—(—)245	By deficit on incidental Business (Tramways and Omnibuses of Bombay Municipality)	..	(—)122	..	(—)122
G— 46 M— 1 C— 81	To instalment of write down in respect of intangible assets	70	1	93	164	M— 265	By Balance of Profit brought forward from previous year.	..	184	..	184
128											
M— 9 C— 83	To contribution towards contingencies reserve.	..	15	95	110	G— 14,188 C— 126 —14,314	By Balance carried over to General Balance Sheet	7,940	..	114	8,054
92											
G— 181 M— C— 159	To Development reserve	58	..	49	107						
340											
G— 23	To Appropriations to Tariff and Dividends Control Reserve	..	..	29	29						

TABLE IV—Contd.

Net Revenue and Appropriation Account, 1970-71

(Figures in Rs. lakhs)

1969-70	Particulars	Government Departments/ Boards/ Power Corporations	Muni- cipali- ties	Com- panies	Total	1969-70	Particulars	Government Departments/ Boards/ Power Corporations	Muni- cipali- ties	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
M— C— 48	22 26 48	..	24]	28	52						
C— 40	To Appropriations to Consumers rebate reserve . . . . .	..	..	35	35						
C— 40	To Special appropriations per- mitted by State Government . . . . .	..	..	35	35						
G— M— C— 1,340	1,056 128 156 1,340	1,065	319	195	1,579						
	To other Appropriation	1,065	319	195	1,579						
	To Appropriation towards interest paid and accrued and dividends paid and payable										
C— 200	(a) Interest on debentures . . . . .	..	..	246	246						
G— M— C— 12,941	12,422 334 185 12,941	12,670	359	158	13,187						
	(b) Interest on other Secured Loans	12,670	359	158	13,187						
G— M— C— 116	67 15 34 116	76	15	37	128						
	(c) Interest on consumers Security Deposits	76	15	37	128						

G-	170	(d) Interest on unsecured loans, advances, deposits, bank overdraft etc.	286	43	149	478							
M-	12												
C-	171												
	353												
G-	71	(e) Dividends on Preference Share Capital . . . . .	..	..	77	77					
C-	431	(f) Dividends on Ordinary Share Capital . . . . .	..	..	427	427					
G-	12,103	To Balance of loss brought forward	13,708	..	137	13,845							
C-	210												
	12,313												
M-	181	To Balance carried over to General Balance sheet . . . . .	..	196	..	196						
G-	26,045						G- 26,045						
M-	1,035						M- 1,035						
C-	2,173						C- 2,173						
	29,253	TOTAL .	27,933	1,310	2,187	31,430	29,253	TOTAL	27,933	1,310	2,187	31,430	

TABLE No. V

General Balance Sheet as on 31st March, 1971

(Figures in Rs. lakhs)

1969-70	Particulars	Govt. Depts/ Boards/ Power Corporations	Municipalities	Companies	Total	1969-70	Particulars	Govt. Depts/ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
3,05,360	Fixed Capital raised and appropriated as per the Capital Account	3,18,314	10,588	13,877	3,42,779	2,85,245	Capital Expenditure on works as per the Capital Account	2,73,531	12,189	29,698	3,15,418
3,331	Capital Redemption Sinking Fund and other Reserves	1,999	1,091	69	3,159	50,865	<i>Less</i> Accumulated provisions for Depreciation	45,194	4,093	10,129	59,356
	RESERVES AND SURPLUS					2,34,380	NET BLOCK	2,28,337	8,156	19,569	2,56,062
12,410	Non-Statutory Reserve	9,530	839	3,315	13,684	257	Balance of written down cost of obsolete and inadequate assets	681	5	42	728
							CURRENT ASSETS				
42	Special appropriation (as permitted by State Govt.)	..	..	63	63	73,532	Capital works in progress	87,482	2,466	746	90,694
							Stores and Materials in Hand				
763	Contingencies Reserve Fund	4	105	702	811	961	(a) Fuel, Coal and/or Oil at cost	2,469	38	144	2,651
418	Tariffs and Dividends Control Reserve	148	148	147	443	23,216	(b) General Stores at a below Cost	23,283	1,515	1,553	26,351
357	Consumers Rebate Reserve	1	185	186	372	10,562	Sundry debtors for Electricity Supplied	9,744	1,449	2,111	13,304
1,750	Development Reserve	521	11	1,065	1,597	16,813	Other debtors	18,777	413	689	19,879
181	Balance of net Revenue and Appropriation account	..	196	..	196	13,016	Accounts receivable	14,016	777	197	14,990

CURRENT LIABILITIES AND PROVISIONS							INVESTMENT IN STATUTORY SECURITIES AT COST :				
15,760	Creditors on open account	17,676	909	1,959	20,544	595	(a) Contingencies Reserve Fund Investment (Market Value on closing date)	..	5	653	658
8,551	Consumers Security Deposits	7,582	990	1,408	9,980	5,469	(b) Other Investment (Market Value on closing date)	4,360	1,650	167	6,177
46,208	Accounts Payable	37,745	2,088	2,010	41,843		SPECIAL DEPOSITS				
376	Balance due on construction of Plant and Machinery	547	..	64	611	107	(a) In respect of taxation	..	..	217	217
9,346	Temporary accommodations Bank overdrafts and other finances	12,265	227	1,945	14,437	1,998	(b) Other	2,234	32	35	2,301
							BALANCE AT BANK				
						5,516	(a) Deposit Account	3,350	502	155	4,007
						3,163	(b) Current Account and at Call	2,725	329	352	3,406
						858	Cash in hand	818	40	64	922
							DEBIT BALANCES				
						96	Deferred Payments	116	..	2	118
						14,314	Debit Balance of net revenue and appropriation accounts	7,940	..	114	8,054
4,04,853	TOTAL	4,06,332	17,377	26,810	4,50,51	4,04,853	TOTAL	4,06,332	17,377	26,810	4,50,519

TABLE No. VI

Average Price of Electricity

Sl. No.	Category of Sale	kWh Sold in 1970-71 (Million)	Revenue Realised in Rupees (Lakhs)	Revenue Realised per kWh Sold (Paise)
1	2	3	4	5
1	Domestic and Commercial premises for lighting, heating, small power, etc.	6,331	15,844	25.03
2	Industrial and Traction	31,570	30,520	9.67
3	Agricultural	4,433	6,312	14.24
	TOTAL	42,334	52,676	12.44
4	Miscellaneous . . . . .	..	13,052	..
5	All Purposes	42,334	65,728	15.53

NOTE.—About 1390 Million kWh Sales have been excluded corresponding to those few Electrical Undertakings from whom financial data have not been received.

TABLE No. VII

Some Important Financial Features for the years 1968-69 to 1970-71

Sl. No.	Particulars	Units	1969	1970	1971
1	2	3	4	5	6
1.	Installed Plant Capacity	kW	12,190,454	12,383,814	12,904,420
2.	Average Cost per kW installed	Rs.	2,168	2,303	2,444
3.	Number of Consumers	No.	11,784,932	12,990,207	14,465,172
4.	Average Capital Outlay per Consumer	Rs.	2,243	2,196	2,180
5.	Maximum Demand	kW	10,277,106	10,172,916	10,698,230
6.	Average Capital Outlay on transmission, distribution, etc. per kW of maximum demand	Rs.	1,523	1,625	1,760

Note : About 1,804,530 kW, 1,834,670 kW and 199,806—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 NO. VIII

Consolidated Capital Outlay by Ownership for the years 1966-67 to 1970-71

Particulars	1967		1968		1969		1970		1971	
	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total
Public Sector	179,504	89	203,988	89	236,863	90	256,500	90	285,720	91
Private Sector	23,225	11	26,119	11	27,491	10	28,745	10	29,698	9
TOTAL	202,729	100	230,107	100	264,354	100	285,245	100	315,418	100

TABLE NO. IX

Consolidated Capital Outlay of Electricity Supply Undertakings for the years 1966-67 to 1970-71

Particulars	Units	1967	1968	1969	1970	1971
On Electrical Works	Rs. lakhs	201,058	228,284	262,383	283,067	313,291
Non-Electrical Works like Tramways and Omnibus	Rs. lakhs	1,671	1,823	1,971	2,178	2,127
TOTAL		202,729	230,107	264,354	285,245	315,418

APPENDIX
ADDRESSES OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS
AND SYSTEM OF SUPPLY AS ON 31-3-1972

ANDHRA PRADESH

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
1	2	3	4	5
1	<p><i>Government Department Hydro Electric Power Stations</i></p> <p>1. Machkund 2. Hampi 3. Tungabhadra Dam</p> <p>(a) <i>Andhra Pradesh State Electricity Board</i></p> <p>1. Nizam Sagar 2. Upper Sileru</p> <p>(b) <i>Thermal Power Stations</i></p> <p>1. Gas Turbine, Erragadda 2. Hussainsagar 3. Nellore 4. Ramagundam 5. Kothagudam</p> <p>(c) <i>Diesel Stations</i></p> <p>1. Venkatapuram 2. Sri Sailen 3. Giddatore</p>	<p>The Project Engineer, Machkund Power House Superintending Engineer, T.B. Dam.</p> <p style="text-align: center;">BOARD</p> <p>The Chief Engineer, Electricity, Andhra Pradesh Electricity Board, opposite Bella Vista, P.O. Hyderabad-4.</p> <p style="text-align: center;">ASSAM BOARD</p>	<p>220,000 132,000 66,000 33,000 11,000 6,600 3,300 400 230</p>	<p>3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.</p>
1	<p>Assam State Electricity Board</p> <p>(a) <i>Hydro Electric Power Stations</i></p> <p>1. Umtru 2. Umiuam</p> <p>(b) <i>Thermal Power Stations</i></p> <p>1. Gas Turbine, Gauhati 2. Gas Turbine, Namrup (Naharkatia).</p> <p>(c) <i>Diesel Power Stations</i></p> <p>1. Aizal 2. Abhoyapuri 3. Chaili 4. Dergaon 5. Diphu 6. Doom-Dooma 7. Dhekiabuli 8. Golaghat 9. Golpara 10. Hailakandi 11. Hojai 12. Jowai 13. Kokraihar 14. Mangaldai 15. Nalbari 16. Suakuchi 17. Tura 18. Sibsagar 19. North Lakhimpur 20. Halfong 21. Karimganj 22. Tezpur 23. Kodomoni (Dibrugarh) 24. Nowgong 25. Gauhati 26. Jorhat</p>	<p>The Chief Engineer, Assam State Electricity Board, Uzan Bazar, Gauhati.</p>	<p>132,000 66,000 33,000 11,000 400 230</p>	<p>3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.</p>

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
2	Dibrugarh	The Dibrugarh Electric Supply Co. Private Ltd., P.O. Rehajari, Post Box No. 9, Dibrugarh.	550 220	D.C. 3 Wire D.C. 2 Wire
3	Shillong	The Shillong Hydro Electric Ltd., 135, Prinsep Street, Calcutta-13.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Tinsukia	The Tinsukia Electric Supply Co. Ltd., P.O. Senairam Bazar, Tinsukia.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
BIHAR BOARD				
1	Bihar State Electricity Board	The Chief Electrical Engineer, Bihar State Electricity Board, Patna.	132,000 33,000 11,000 6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
	(a) <i>Thermal Power Stations</i>			
	1. Barauni			
	2. Patratu			
	(b) <i>Diesel Power Stations</i>			
	1. Netarhat			
	2. Gumla			
	3. Saharsa			
	4. Kishanganj			
	5. Forbesganj			
	6. Bairstonia			
	7. Sakri			
	8. Hazipur			
	9. Chakia			
	10. Chapra			
	11. Bettiah			
	12. Mirganj			
	13. Katihar			
2	Damodar Valley Corporation	The Chief Electrical Engineer, Damodar Valley Corporation, Anderson House, Alipore, Calcutta-27.	132,000 33,000 11,000 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 4 ph. A.C. 1 ph. A.C.
	(Power Houses located in Bihar Area).			
	Bokaro			
	Chandrapura			
	Tilaiya			
	Panchet Hill			
	(Power Houses located in West Bengal Area)			
	Durgapur			
	Maithon			
COMPANIES				
3	Bhagalpur	The Bhagalpur Electric Supply Co., Bhagalpur (Bihar).	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Chaibasa	The Chaibasa Electric Supply Co., Chaibasa	400 230	3 ph. A.C. 1 ph. A.C.
5	Chirkunda	The Chirkunda Electricity Supply Co., P.O. Barakar, Distt. Burdwan.	400 230	3 ph. A.C. 1 ph. A.C.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
6	Darbhanga Laherisarai	The Darbhanga Laherisarai Electric Supply Corporation Ltd., Darbhanga (Bihar)	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
7	Jugsalai	The Jugsalai Electric Supply Co., Jugsalai (Tatanagar), S.E. Railway.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
8	Muzaffarpore	The Muzaffarpore Electric Supply Co. Ltd., 14, Old Court House Street, Calcutta-1.	11,000 3,300 400 230 440 220	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire
9	Patna	The Patna Electric Supply Co. Ltd., Manglides Road, Patna-15.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
10	Ranchi	The Ranchi Electric Supply Co. Ltd., Main Road, Ranchi.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
11	Sijhua (Jherriah)	The Sijhua (Jherriah) Electric Supply Co. Ltd., P. O. Bansjora (District Dhanbad).	11,000 6,600	3 ph. A.C. 3 ph. A.C.
GUJARAT				
BOARD				
1	Gujarat Electricity Board			
	(a) <i>Steam Power Stations</i>			
	1. Kandla		220,000	3 ph. A.C.
	2. Porbandar		132,000	3 ph. A.C.
	3. Sikka		66,000	3 ph. A.C.
	4. Shahpur		33,000	3 ph. A.C.
	5. Utran		22,000	3 ph. A.C.
	6. Dhuvran		11,000	3 ph. A.C.
			3,300	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
	(b)			
	1. Ambaji			
	2. Una			
	3. Kuthara			
	4. Rohpur			
	5. Deesa			
	6. Botad			
	7. Hundra			
	8. Dwarka			
	9. Nakhtrana			
	10. Bhuj			
	11. Mahura			
		The Chief Engineer, The Gujarat Electricity Board, Race Course, Baroda-1.		
MUNICIPALITIES				
2	Baroda	The Electrical Engineer, Department of Electricity, Baroda Borough Municipality, Post Box No. 17, Baroda-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
3	Bhadran	The President, Bhadran Municipality, Bhadran.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Jhalod	Jhalod Gram Panchayat, Jhalod, Dist. Pauchmahal.	400 230	3 ph. A.C. 1 ph. A.C.
5	Karjan	The President, Karjan Municipality, Karjan	400 230	3 ph. A.C. 1 ph. A.C.

GUJARAT—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
MUNICIPALITIES—contd.				
6	Nargram	The Electrical Engineer, Nar Gram Panchayat, Nar (Via Anand).	400 230	3 ph. A.C. 1 ph. A.C.
7	Palanpur (Iqbal)	The Electrical Engineer, The Iqbal Electric Supply, Municipal Power House, Palanpur.	400 230	3 ph. A.C. 1 ph. A.C.
8	Patan	The Electrical Engineer, Patan Municipality, Patan.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
9	Petlad	The Electrical Engineer, Petlad Municipality, Petlad.	400 230	3 ph. A.C. 1 ph. A.C.
10	Sojitra	The President, Sojitra Nagar, Panchayat Sojitra.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
11	Vadnagar	The Chief Officer, Electricity Deptt., Vadnagar Municipality, Vadnagar.	400 230	3 ph. A.C. 1 ph. A.C.
COMPANIES				
12	Ahmedabad	The Ahmedabad Electricity Co. Ltd., Electricity House, Lal Darwaja, Ahmedabad-1.	66,000 11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
13	Anand	The Anand Electric Supply Co. Ltd., Power House Station Road, Anand.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
14	Bardoli	Shri Sardar Kheti Sahayak Sahakari Vid-yut Mandal Ltd., Bardoli (District Surat).	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
15	Bulsar	The Amalgamated Electricity Co. Ltd. (Bulsar Branch), Box. No. 879, 17-B, Harniman Circle, Fort (Bombay-1).	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
16	Bilimora	The Bilimora Electric Power Co. Ltd., Bilimora.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
17	Bhavnagar	The Bhavnagar Electricity Co. Ltd., P.O. Box No. 45, Bhavnagar.	11,500 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
18	Dabhoi	The Dabhoi Electric Supply Co. Dabhoi, Distt. Baroda.	400 220	D.C. 3 Wire D.C. 2 Wire
19	Dakor Umreth	The Dakor-Umreth Electricity Co. Ltd., Dakor.	400 230	3 ph. A.C. 1 ph. A.C.
20	Dohad	The Amalgamated Electricity Co. Ltd., (Dohad Branch), P.O. Box 879, 17-B, Harniman Circle, Bombay-1.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
21	Godhra	The Godhra Electricity Co. Ltd., Power House, Godhra.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
22	Gandhidham	The Sindhu Resettlement Corporation Ltd., Power Supply Department, Adipur.	400 230	3 ph. A.C. 1 ph. A.C.
23	Jambusar	The Jambusar Electric Supply Co. Ltd., Sarodi Bhagal, Jambusar (Distt. Broach).	400 230	3 ph. A.C. 1 ph. A.C.
24	Kadi	The Kadi Electric Supply Co. Ltd., Kadi	400 230	3 ph. A.C. 1 ph. A.C.

GUJARAT—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
		COMPANIES—contd.		
25	Kalol	The Kalol Electric Supply & Industrial Co. Ltd., Power House, Kalol (North Gujarat).	1,400 230	3 ph. A.C. 1 ph. A.C.
26	Kapadwanj	The Kapadwanj Town Co-operative Electricity Association Ltd., Sardar Baug, Kapadwanj.	400 230	3 ph. A.C. 1 ph. A.C.
27	Kholvad	The Kholvad Electric Supply Corporation Kholvad (District Surat).	22,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
28	Lunawada	Lunawada Electric Supply Co-operative Society Ltd., Lunawada.	400 230	3 ph. A.C. 3 ph. A.C.
29	Nadiad	The Nadiad Electric Supply Co. Ltd., Sonawala Building, First Floor, 65, Appollo Street, Bombay-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
30	Navsari	The Navsari Electric Supply Co. Ltd., Navsari.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
31	Rander	The Rander Electric Supply Co. Ltd., Lal Baug, Rander, District Surat.	400 230	3 ph. A.C. 1 ph. A.C.
32	Sihor	The Sihor Electric Works Ltd. Sihor, Distt. Bhavnagar.	400 230	3 ph. A.C. 1 ph. A.C.
33	Surat	The Surat Electricity Co. Ltd., Central Administration Deptt., P.B. No. 20, Tilak Maidan, Surat.	11,000 6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
34	Vallabh Vidyanagar	M/s. Charotar Gramodhar, Sahakari Mandal Ltd., Vallabh Vidyanagar.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
35	Viramgam	The Viramgam Electric Supply Co. Ltd., Mandal Road, Viramgam.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
36	Vyara-Kanpura	The Vyara-Kanpura Electric Supply Co-operative Society Ltd., Vyara, Distt. Surat.	400 230	3 ph. A.C. 1 ph. A.C.
		HARYANA		
	Haryana State Electricity Board	The Chairman, Haryana State Electricity Board, Haryana.	132,000 66,000 33,000 22,000 11,000 6,600 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
	1. Steam Power Stations			
	(a) Yamuna Nagar			
	(b) Surajpur			
	(c) Faridabad (Old)			
	(d) Faridabad (New)			
	2. Diesel Power Stations			
	(a) Faridabad			
	(b) Ambala D.C.		440	D.C. 2 Wire
	(c) Ambala Cantt.		11,000	3 ph. A.C.
	(d) Sonapat			
	(e) Panipat			

HIMACHAL PRADESH—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. & Phases	
	A. Himachal Pradesh State Electricity Board.	The Officer on Special Duty, Himachal Pradesh State Electricity Board, Simla-4.	66,000	3 ph. A.C.	
			33,000	3 ph. A.C.	
			22,000	3 ph. A.C.	
			11,000	3 ph. A.C.	
			400	3 ph. A.C.	
			230	1 ph. A.C.	
	1. Hydro Power Stations				
	(a) Barsi				
	(b) Nogli				
	(c) Mehbar				
	(d) Chamba				
	(e) Shansha				
	(f) Billing				
	2. Diesel Power Stations				
	(a) Theog				
	(b) Solan				
	(c) Dalhousie				
	(d) Jubbal				
	(e) Kandaghat				
	(f) Kasauli				
	B. Municipality				
	1. Hydro Power Station				
	(a) Simla				
	2. Diesel Power Station				
	(a) Simla				
		JAMMU & KASHMIR			
1	Electricity Department, J. & K.	The Chief Engineer, Electricity Department, Jammu & Kashmir, Jammu/Srinagar.	66,000	3 ph. A.C.	
	(a) <i>Hydro Power Stations</i>		33,000	3 ph. A.C.	
	1. Mohra		11,000	3 ph. A.C.	
	2. Jammu		6,600	3 ph. A.C.	
	3. Ganderbal		400	3 ph. A.C.	
	4. Bahadurgarh		230	1 ph. A.C.	
	5. Chenaur				
	6. Poonch				
	7. Udhampur				
	8. Rajouri				
	(b) <i>Steam Power Station</i>				
	1. Kalakote				
	(c) <i>Diesel Power Station</i>				
	1. Binhal				
		KERALA			
1	Kerala State Electricity Board	The Chief Engineer, Kerala State Electricity Board, P.O. Box No. 65, Trivandrum.	220,000	3 ph. A.C.	
	(a) <i>Hydro Power Stations</i>		110,000	3 ph. A.C.	
	1. Neriyaangalam		66,000	3 ph. A.C.	
	2. Pallivasal		33,000	3 ph. A.C.	
	3. Poringalkuthu		22,000	3 ph. A.C.	
	4. Sengulam		11,000	3 ph. A.C.	
	5. Penniar		3,300	3 ph. A.C.	
	6. Sholayar		400	3 ph. A.C.	
	7. Sabirigiri		230	1 ph. A.C.	
	(b) <i>Diesel Power Stations</i>				
1	Pulluruthy				

JAMMU & KASHMIR—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
MUNICIPALITY				
2	Trichur	The Commissioner, Trichur Municipality, Trichur.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
COMPANIES				
3	Kottayam	The Kottayam Electric Supply Agency, Kottayam.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Kannan Dewan Hills	The Kannan Dewan Hills Produce Co. Ltd., Headquarters Office, Munnar.	11,000 2,200 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
5	Mattencherry	The Cochin Electric Co. Pvt. Ltd., Mat- tencherry, Cochin-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
MADHYA PRADESH				
BOARD				
1	Madhya Pradesh Electricity Board			
	(a) <i>Hydro Power Stations</i>	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Ram- pur, Jabalpur.	220,000 132,000 66,000 33,000 11,000 6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
	(b) <i>Steam Power Stations</i>			
	1. Napanagar 2. Amarkantak 3. Korba 4. 200 MW Thermal Power Station, Korba 5. Satapura			
	(c) <i>Diesel Power Stations</i>			
	1. Sakina 2. Lateri 3. Konta 4. Bijapur 5. Barnar 6. Jeshpurnagar			
COMPANIES				
2	Dewas (Senior)	The Dewas (Senior) Electric Supply Co. Pvt. Ltd., Dewas Senior.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
3	Jubbulpur	The Jubbulpore Electric Supply Co. Ltd., Jubbulpore.	33,000 11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Mandsaur	The Mandsaur Electric Supply Co., Mand- saur.	400 230	3 ph. A.C. 1 ph. A.C.
5	Saugor	The Saugor Electric Supply Co. Ltd., Saugor.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
6	Sehore	The Sehore Electric Supply Co. Pvt. Ltd., Sehore Cantt.	400 230	3 ph. A.C. 1 ph. A.C.

MAHARASHTRA

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
MAHARASHTRA BOARD				
1	Maharashtra State Electricity Board			
	(a) <i>Hydro Power Stations</i>			
	1. Bhatgarh	The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1.	220,000	3 ph. A.C.
	2. Radhanagiri		132,000	3 ph. A.C.
	3. Koyna		110,000	3 ph. A.C.
	4. Haldani		66,000	3 ph. A.C.
			33,000	3 ph. A.C.
			22,000	3 ph. A.C.
			11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
	(b) <i>Steam Power Stations</i>			
	1. Balarshah			
	2. Paras			
	3. Khaparkheda			
	4. Bhusawal			
	5. Nasik			
	6. Parli			
	(c) <i>Diesel Power Stations</i>			
	1. Aheri			
	2. Sironcha			
2	Chola Power Station	The Chief Electrical Engineer, Central Railway, Bombay V.T.	99,700	3 ph. A.C.
			2,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
			230	D.C. 2 Wire
3	Govt. Deptt.	Deptt. of Atomic Energy, Tarapur	220,000	3 ph. A.C.
MUNICIPALITIES				
4	Bombay	The Bombay Electric Supply and Transport Undertaking (Municipal Corporation), B.E. S.T. House, P.B. No. 192, Bombay-1.	22,000	3 ph. A.C.
			6,000	3 ph. A.C.
			2,200	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
			600	D.C. 3 Wire
			460	D.C. 3 Wire
			230	D.C. 2 Wire
5	Karjat	Karjat Bhisgaon Panchayat, Karjat, Distt. Kolaba.	400	3 ph. A.C.
			230	1 ph. A.C.
6	Bombay Municipal Corporation	Bombay Municipal Corporation, Vaitarna-cum-Tamser Street, Domestic Colony, Vaitarna.	400	3 ph. A.C.
			230	1 ph. A.C.
7	Raver	The Electrical Engineer, Raver Municipal Power House, Raver.	400	3 ph. A.C.
			230	1 ph. A.C.
8	Sangli	The Jubilee Electric Works (SangliNagar-palika Trust Property), Electric Power House, Sangli.	400	3 ph. A.C.
			230	1 ph. A.C.
9	Savantwadi	The Electrical Engineer, Savantwadi Municipality, Savantwadi.	400	3 ph. A.C.
			230	1 ph. A.C.
COMPANIES				
10	Barsi	The General Engineering Corporation Ltd. (Barsi Electric Supply), 60, Forbes Street, Temple Bazar Buildings, Fort, Bombay-1.	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.

MAHARASHTRA—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
COMPANIES—contd.				
11	Bassein	The Bassein Electric Supply Co. Ltd., Mehta House, Appollo Street, Fort, Bombay.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
12	Bhiwandi	The Bhiwandi Electricity Co. Ltd., Bhi- wandi, Distt. Thana.	22,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
13	Bhusawal	The Bhusawal Electricity Co. Ltd., Bhu- sawal.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
14	Bhor	The Bhor Electric Supply Co. Pvt. Ltd., Bhor.	2,200 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
15	Bombay Suburban	The Bombay Suburban Electric Supply Co. Ltd., 5, Graham Road (4th Floor), Ballard Estate, P.O. Box No. 109, Bom- bay-1.	22,000 11,000 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
16	Chalisgaon	The Chalisgaon Electricity Co. P.B. No. 4, Outram Ghat Road, Chalisgaon.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
17	Ichalkaranji	The Ichalkaranji Electric Supply Co., Ichal- karanji (Distt. Satara).	400 230	3 ph. A.C. 1 ph. A.C.
18	Igatpuri	The Igatpuri Electric Supply Co. 15-Forbes Street, Fort, Bombay-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
19	Jalgaon	The Jalgaon Electricity Co. Ltd., P.B. No. 34, Jalgaon.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
20	Junnar	The Junnar Electric & Water Supply Co. Ltd., Junnar.	22,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
21	Kurundwad	The Kurundwad Electric Supply Co. Ltd., Kurundwad (Distt. Kolhapur).	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
22	Karmala	The Karmala Electric Supply Co., Station Road, Pandharpur.	400 230	3 ph. A.C. 1 ph. A.C.
23	Lonavala-Khandala	The Lonavala-Khandala Electric Supply Co. Ltd., Lonavala.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
24	Lasalgaon	The Lasalgaon Co-operative Electric Supply Society Ltd. Lasalgaon, Distt. Nasik.	400 230	3 ph. A.C. 1 ph. A.C.
25	Madhavnagar	The Madhavnagar Electric Supply Co. Ltd., Madhavnagar.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
26	Mahad	The Mahad Electric Supply Co. Ltd., Mahad (Distt. Kolaba).	400 230	3 ph. A.C. 1 ph. A.C.
27	Malegaon	The Malegaon Electricity Co. Ltd., P.B. No. 52, Malegaon.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
28	Matheran	The Matheran Electric Supply Co. Ltd., Mehta House, Apollo Street, Fort, Bombay.	400 230	3 ph. A.C. 1 ph. A.C.

MAHARASHTRA—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
COMPANIES—contd.				
29	Miraj	The Miraj Electric Supply Co. Ltd., Miraj (South Satara).	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
30	Nasarapur	The Nasarapur Electric Supply Co. Ltd., Prop. N. S. Chakke, 649, Shanwar Peth, Poona-2.	400 230	3 ph. A.C. 1 ph. A.C.
31	Pandharpur	The Pandharpur Electric Supply Co. Station Road, Pandharpur.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
32	Panvel Taluka	The Panvel Taluka Electric Development Co. Ltd., Bardhaman Sadan, Tilak Road, Panvel.	6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
33	Sailu	The Proprietor, Sailu Electric Supply Co., Sailu (Central Railway), Distt. Parbhani.	400 230	3 ph. A.C. 1 ph. A.C.
34	Satara	The Satara Electric Supply Co. Private Ltd., 217, Partapaganj Peth, Satara City.	400 230	3 ph. A.C. 3 ph. A.C.
35	Tata Hydro	The Tata Hydro Electric Agencies Ltd., Bombay House 24, Bruce Street, Fort, Bombay.	110,000 22,000 6,600	3 ph. A.C. 3 ph. A.C. 3 ph. A.C.
36	Tasgaon	The Tasgaon Electricity General Co-operative Society Ltd., Tasgaon (Distt. Satara).	400 230	3 ph. A.C. 1 ph. A.C.
37	Thana	The Thana Electric Supply Co. Pvt. Ltd., Court House (4th Floor), Carnac Road, Dhobi Talao, Bombay.	11,000 6,600 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
38	Vita	The Co-operative Electric Supply Society Ltd., Vita (South Satara).	400 230	3 ph. A.C. 1 ph. A.C.
MANIPUR				
A.	Hydro Power Station	The Superintending Engineer, Deptt. of Electricity, Govt. of Manipur, Imphal.	22,000 11,000 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
B.	Diesel Power Station			
	(a) Morch			
	(b) Thoubal			
	(c) Jiriban			
	(d) Ukhral			
	(e) Imphal			
	(f) Moriayang			
	(g) Mao			
	(h) Tanchglong			
	(i) Leimokhong			
MYSORE				
1	Hydro Electric Construction Project, Government of Mysore.	The Chief Engineer, Hydro Electric Construction Projects Post Box No. 360, Race Course, Cross Road, Bangalore-9.	220,000 66,000 11,000	3 ph. A.C. 3 ph. A.C. 3 ph. A.C.
	(a) Hydro Power Stations			
	1. Bhadra			
	2. Sharavathi			

MYSORE—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
BOARD				
2	Mysore State Electricity Board		220,000	3 ph. A.C.
			110,000	3 ph. A.C.
			66,000	3 ph. A.C.
	(a) <i>Hydro Power Stations</i>		33,000	3 ph. A.C.
	1. Jog		22,000	3 ph. A.C.
	2. Munirabad		11,000	3 ph. A.C.
	3. Sivasmudram		6,600	3 ph. A.C.
	4. Shimashapura		3,300	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
	(b) <i>Thermal Power Stations</i>			
	(c) <i>Diesel Power Station</i>			
	1. Bhagamandla	The Chief Engineer (Electricity), Mysore State Electricity Board, Post Box No. 16, Bangalore-1.		
COMPANIES				
1	Bagalkot	Shri Venkatesh Power Works Ltd., Bagalkot.	400	3 ph. A.C.
			230	1 ph. A.C.
2	Belgaum	The Resident Engineer, Belgaum Electricity Co., P.B. No. 26, Opp. Runway Station, Belgaum.	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
3	Byadgi	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	400	3 ph. A.C.
			230	1 ph. A.C.
4	Gadag	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
5	Karwar	The Karwar Electric Supply & Trading Co. Ltd., Power House Karwar, Distt. North Kanara.	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
6	Nipani	The Nipani Electricity Co. Pvt. Ltd., Dharwar, Nipani, Distt. Belgaum.	400	3 ph. A.C.
			230	1 ph. A.C.
7	Ranebenur	M/s. Manvi Brothers Electric Light & Power Suppliers, Ranebenur.	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
8	Sirsa	The Kanara Electric Supply Co. Ltd., Sirsa (North Kanara) P.B. No. 50, Distt. North Kanara.	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
NAGALAND				
1	Kohima	The Executive Engineer, Kohima Electrical Division, Kohima (Nagaland).	11,000	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
2	Wokha			
3	Chazuba			
4	Tscimimga			
ORISSA				
BOARD				
1	Orissa State Electricity Board	The Commercial Officer, Orissa State Electricity Board, Bhubaneswar.		
	(a) <i>Hydro Power Stations</i>			
	1. Hirakud-I			
	2. Hirakud-II			

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
		BOARD—contd.		
	(b) <i>Steam Power Stations</i>			
	1. Jobra			
	2. Choudhwar			
	3. Talcher			
	(c) <i>Diesel Power Houses</i>			
	1. Atharlic		192,000	3 ph. A.C.
	2. Baliguda		66,000	3 ph. A.C.
	3. Deogarh		33,000	3 ph. A.C.
	4. Khariaroad		11,000	3 ph. A.C.
	5. Rairakhob		3,300	3 ph. A.C.
	6. Bawhraj		400	3 ph. A.C.
			230	1 ph. A.C.
		PUNJAB		
1	Bhakra Management Board	The Chairman, Bhakra Management Board, Chandigarh.		
	<i>Hydro Power Stations</i>		220,000	3 ph. A.C.
	1. Bhakra Right Bank		132,000	3 ph. A.C.
	2. Bhakra Left Bank		66,000	3 ph. A.C.
	3. Ganguwal		33,000	3 ph. A.C.
	4. Kotla		11,000	3 ph. A.C.
			3,300	3 ph. A.C.
			400	3 ph. A.C.
			230	1 ph. A.C.
		BOARD		
2	Punjab State Electricity Board	The Chief Engineer, Punjab State Electricity Board, Patiala.		
	(a) <i>Hydro Power Stations</i>			
	1. Shanaun (Joginder Nagar)			
	2. U.B.D.C.			
	(b) <i>Thermal Power Stations</i>			
	1. Nangal			
	(c) <i>Diesel Power Stations</i>			
	1. Fazilka			
	2. Abhor			
	3. Rupar			
	4. Sangrur			
	5. Jullundur			
	6. Hoshiarpur			
	7. Faridkot (Old)			
	8. Patiala (Yadvindra)			
	9. Amritsar			
	10. Ferozpur			
		MUNICIPALITIES		
1	Amritsar	The Executive Engineer, Amritsar Municipal Power House, Amritsar.	400	3 ph. A.C.
			230	1 ph. A.C.
			440	D.C. 3 Wire
			230	D.C. 2 Wire
		COMPANIES		
1	Malerkotla	The Malerkotla Power Supply Co. Malerkotla.	400	3 ph. A.C.
			230	1 ph. A.C.

RAJASTHAN

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
		RAJASTHAN BOARD		
1	Rajasthan State Electricity Board			
	(a) <i>Thermal Power Stations</i>			
	1. Alwar		132,000	3 ph. A.C.
	2. Kotah		66,000	3 ph. A.C.
	3. Bharatpur		33,000	3 ph. A.C.
	4. Jodhpur (Old)		11,000	3 ph. A.C.
	5. Bikaner		6,600	3 ph. A.C.
	6. Jodhpur (New)		3,300	3 ph. A.C.
	7. Jaipur		2,000	3 ph. A.C.
	8. Gas Turbine Kotah		400	3 ph. A.C.
			230	1 ph. A.C.
	(b) <i>Diesel Power Stations</i>			
	1. Bharatpur			
	2. Ladnun			
	3. Pokran			
	4. Kushalgarh			
	5. Kotah			
	6. Deedwana			
	7. Baren			
	8. Balotra			
	9. Todabhim			
	10. Sahpura			
	11. Chhabra			
	12. Jhalawar			
	13. Kegri			
	14. Bundi			
	15. Sikar			
	16. Karauli			
	17. Tonk			
	18. Nawai			
	19. Reodar			
	20. Sanchora			
		TAMIL NADU BOARD		
1	Tamil Nadu State Electricity Board			
	(a) <i>Hydro Power Stations</i>			
	1. Kundah-I		230,000	3 ph. A.C.
	2. Kundah-II		110,000	3 ph. A.C.
	3. Kundah-III		66,000	3 ph. A.C.
	4. Kundah-IV		33,000	3 ph. A.C.
	5. Kundah-V		22,000	3 ph. A.C.
	6. Papanasam		11,000	3 ph. A.C.
	7. Moyar		6,600	3 ph. A.C.
	8. Mettur Dam		5,000	3 ph. A.C.
	9. Mettur Tunnel		3,300	3 ph. A.C.
	10. Pykara		400	3 ph. A.C.
	11. Periyar		230	1 ph. A.C.
	12. Sarkarpathy			
	13. Sholayar			
	14. Brambakulam			
	15. Kodayar			
	(b) <i>Steam Power Stations</i>			
	1. Madurai			
	2. Basin Bridge			
	3. Ennore			

TAMIL NADU—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
GOVERNMENT UNDERTAKING				
2	Neyveli Lignite Corporation Ltd.	The Deputy General Manager (Tech. & Works), Neyveli Lignite Corporation Ltd., Office of the Managing Director, Technical & Works Branch, Administrative Officers Block 1, Neyveli-1.	220,000 110,000 11,000	3 ph. A.C. 3 ph. A.C. 3 ph. A.C.
MUNICIPALITIES				
3	Coimbatore	The Commissioner, Coimbatore Municipality, Coimbatore.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Karur	The Commissioner, Karur Municipality, Karur, Distt. Tiruchirapally.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
5	Madurai	The Commissioner, Madurai Municipality, Madurai.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
6	Pollachi	The Commissioner, Pollachi Municipality, Pollachi.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
7	Thanjavur	The Commissioner, Thanjavur Municipality, Thanjavur.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
COMPANIES				
8	Kumbakonam	The Kumbakonam Electric Supply Corporation Ltd., Oriental Buildings, Armenian Street, Madras-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
9	Nagapatam	The Nagapatam Electric Supply Co. Ltd., Oriental Buildings, Armenian Street, Madras-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
10	Salem-Erode	The Salem-Erode Electricity Distribution Co., Post Box No. 91, Salem-1.	22,000 6,600 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
11	Shencottah	The Shencottah Electric Supply Agency, Shencottah.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
12	Tirunelveli-Tuticorin	The Tirunelveli-Tuticorin Electric Supply Co. Ltd., P.B. No. 54, Tirunelveli.	22,000 11,000 6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
13	Tiruchirapalli	The South Madras Electric Supply Corporation, Post Box No. 67, Tiruchirapalli.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
14	Vellore	The Vellore Electric Corporation Ltd., 20, Second Line Beach, Madras-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.

UTTAR PRADESH

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
1	Uttar Pradesh State Electricity Board.	UTTAR PRADESH BOARD		
	(a) <i>Hydro Power Stations</i>			
	1. Dharasu		220,000	3 ph. A.C.
	2. Bageshwar		132,000	3 ph. A.C.
	3. Joshimath		66,000	3 ph. A.C.
	4. Uttarkashi		44,000	3 ph. A.C.
	5. Palra		33,000	3 ph. A.C.
	6. Summera		22,000	3 ph. A.C.
	7. Bhola		11,000	3 ph. A.C.
	8. Chitaura		6,600	3 ph. A.C.
	9. Salawa		3,300	3 ph. A.C.
	10. Nirgajni			
	11. Matatila			
	12. Mohammadpur			
	13. Pathir			
	14. Dhakrani			
	15. Khatima			
	16. Dhalipur			
	17. Rihand			
	18. Obra			
	19. Bhatwari			
	20. Cuptkashi			
	21. Tilwara			
	22. Umarasee			
	23. Genthichera			
	24. Chamoli			
	(b) <i>Thermal Power Stations</i>			
	1. Balrampur			
	2. Rampur			
	3. Mainpuri			
	4. Allahabad			
	5. Mau			
	6. Gorakhpur			
	7. Chandausi (Old)			
	8. Faizabad			
	9. Harduaganj (Old)			
10. Talkatora				
11. Harduaganj (New)				
12. Muradnagar Gas Turbine				
13. Kanpur	33,000	3 ph. A.C.		
14. Chandausi (New)	11,000	3 ph. A.C.		
15. Aishbagh	6,600	3 ph. A.C.		
16. Panki	3,300	3 ph. A.C.		
17. Obra	400	3 ph. A.C.		
18. Harduaganj Extn. B	230	1 ph. A.C.		
(c) <i>Diesel Power Stations</i>				
1. Laksar				
2. Chamoli				
3. Pithorgarh				
4. Joshimath				
5. Tehri				
6. Tundla				
7. Palra				
8. Pauri	220,000	3 ph. A.C.		
9. Saharanpur	132,000	3 ph. A.C.		
10. Matatila	66,000	3 ph. A.C.		
11. Gorakhpur City	44,000	3 ph. A.C.		
12. Muradabad	33,000	3 ph. A.C.		
13. Sohawal	22,000	3 ph. A.C.		
14. Mainpuri	11,000	3 ph. A.C.		
15. Meerut	6,600	3 ph. A.C.		
16. Jhansi	3,300	3 ph. A.C.		

The Chief Engineer (Hydel), Uttar State
Electricity Board, Lucknow.

The Kanpur Electricity Supply Adminis-
tration, KESA House, P.B. No. 141,
Kanpur.

UTTAR PRADESH—contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.G. & Phases
BOARD—contd.				
	17. Lohia Head 18. Shahjahanpur 19. Gorakhpur 20. Nib-Karori 21. Aligarh 22. Dhakrani 23. Kalagarh 24. Damogh 25. Sultanpur 26. Baharaich 27. Ghaziabad	The Chief Engineer, (Hydel), Uttar Pradesh State Electricity Board, Lucknow.		
MUNICIPALITIES				
1	Almora	The Electrical & Water Works Engineer, Municipal Board, Almora.	400 230	3 ph. A.C. 1 ph. A.C.
2	Haldwani	The Electrical & Municipal Engineer, Municipal Board, Haldwani-cum-Kathgodam, Haldwani.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
3	Hardwar	The Electrical & Water Works Engineer, Municipal Board, Hardwar Union, Hardwar.	400 230	3 ph. A.C. 1 ph. A.C.
4	Kasganj	The Resident Engineer, Municipal Electricity Supply, Kasganj, Distt. Etah.	400 230	3 ph. A.C. 1 ph. A.C.
5	Khurja	The Resident Engineer, Municipal Electric Supply, Municipal Board, Khurja, Distt. Bulland Shar.	400 230	3 ph. A.C. 1 ph. A.C.
6	Lalitpur	The Municipal Electric Supply Undertaking, Lalitpur, Distt. Jhansi.	400 230	3 ph. A.C. 1 ph. A.C.
7	Meerut	The Electrical Engineer, Municipal Board, Meerut.	400 230	3 ph. A.C. 1 ph. A.C.
8	Muzaffarnagar	The Electrical Engineer, Municipal Board, Muzaffarnagar.	400 230	3 ph. A.C. 1 ph. A.C.
9	Mussoorie	The President, Mussorie Dehra Hydro Electric Undertaking, City Board, Mussoorie.	6,600 300 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
10	Nainital	The Electrical & Mechanical Engineer, Municipal Board, Nainital.	380 230	3 ph. A.C. 1 ph. A.C.
11	Roorkee	The President, Municipal Board, Roorkee.	400 230	3 ph. A.C. 1 ph. A.C.
12	Rishikesh	The President, Municipal Board, Rishikesh, Distt. Dehradun.	400 230	3 ph. A.C. 1 ph. A.C.
13	Unnao	The Electrical & Water Works Engineer, Municipal Board, Unnao.	400 230	3 ph. A.C. 1 ph. A.C.
COMPANIES				
1	Aligarh	The Aligarh Electric Supply Co. Ltd., Udai Singh Jain Road, Mathura.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
2	Agra	The Resident Engineer, The Agra Electric Supply Co. Ltd., P.B. No. 36, Agra, U.P.	11,000 6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.

UTTAR PRADESH—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
COMPANIES—contd.				
3	Banaras	The Banaras Electrical Light & Power Co. Ltd., Bhelugura, Varanasi.	33,000 11,000 6,600 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Bareilly	The Resident Engineer, The Bareilly Electric Supply Co. Ltd., Bareilly, U.P.	11,000 3,300 400 230 440 220	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire
5	Budaun	The Kishore Electric Supply Corporation, Budaun.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
6	Etawah	The Western United Provinces Electric Power & Supply Co. Ltd., 1379, Sultan Singh Bldg., P.B. No. 1079, Kashmir Gate, Delhi-6.	37,500 11,000 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
7	Farrukhabad	The Farrukhabad Electric Supply Co. Ltd., P. House, Fatehgarh.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
8	Faizabad	The Faizabad Electric Licensee (1933), C/o The British Insulated Calenders Cables Ltd., 116, Station Road, Faizabad.	400 230	3 ph. A.C. 1 ph. A.C.
9	Jaunpur	The Jaunpur Electric Licensees (1934), C/o The British Insulated Calenders Cables Ltd., Yaharpur, Jaunpur.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
10	Mathura	The Resident Engineer, The Mathura Electric Supply Co. Ltd., Agra Mathura Road, Mathura.	3,000 400 230	3 ph. A.C. 1 ph. A.C. 1 ph. A.C.
11	Mirzapur	The Resident Engineer, The Mirzapur Electric Supply Co. Ltd., Jabalpur Road, Mirzapur.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
12	Pilibhit	The Pilibhit Electric Supply Co. Pvt. Ltd., P. House, Pilibhit.	400 230	3 ph. A.C. 1 ph. A.C.
13	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.	400 230	3 ph. A.C. 1 ph. A.C.
14	Sadabad	The Sadabad Electric Supply Co. Sadabad, Distt. Mathura.	400 230	3 ph. A.C. 1 ph. A.C.
15	Saharanpur	The Saharanpur Electric Supply Co. Ltd., Ramnagar (Pathanpura Street), P.B. No. 16, Saharanpur.	400 230 440 200	3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire
16	Shahjahanpur	The Shahjahanpur Electric Supply Co. Ltd., 9, Dalhousie Sq. East, Calcutta-1.	3,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.

WEST BENGAL

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
		WEST BENGAL BOARD		
1	West Bengal State Electricity Board.			
	(a) <i>Hydro Power Stations</i>			
	1. Bijanbari			
	2. Kurseong			
	3. Jaldhaka			
	4. Little Ranjit			
	(b) <i>Steam Power Stations</i>			
	1. Farakka Packaged Plant		220,000	3 ph. A.C.
	2. Dishergarh Packaged Plant		132,000	3 ph. A.C.
	3. Gourepore		66,000	3 ph. A.C.
	4. Bandel		33,000	3 ph. A.C.
	(c) <i>Diesel Power Stations</i>			
	1. Mal Bazar		22,000	3 ph. A.C.
	2. Haldibari		11,000	3 ph. A.C.
	3. Birpara		6,600	3 ph. A.C.
	4. Mathabhanga		2,200	3 ph. A.C.
	5. Changrabandha		400	3 ph. A.C.
	6. Balurghat		230	1 ph. A.C.
	7. Raiganj			
	8. Malda			
	9. Siliguri			
	10. Cooch Behar			
	11. C.D.S. Malda			
	12. Iskanpur			
	13. Jalpaiguri			
2	Govt. of West Bengal Masanjore Hydel Power Station.	The Assistant Engineer, Massanjore Hydel Power Station, P.O. Massanjore, Distt. Santhal Parganas.	33,000 11,000	3 ph. A.C. 3 ph. A.C.
3	Durgapur Projects Limited (A Govt. of West Bengal Undertaking).	Manager, Power Plant Deptt., The Durgapur Projects Limited, 10, Middleton Road, Calcutta-16.	11,000 6,000 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
		MUNICIPALITIES		
1	Darjeeling	The Chairman, Darjeeling Municipality Electrical Department, Darjeeling.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
		COMPANIES		
1	Andul Mouri	The National Power Supply Corporation Ltd. (Andul Mouri Branch), 23-B, Allenby Road, Calcutta-20.	400 230	3 ph. A.C. 1 ph. A.C.
2	Asansol	The Asansol Electric Supply Co. Ltd., Burnpur Road, Asansol.	400 230	3 ph. A.C. 1 ph. A.C.
3	Bankura	The West Bengal Supply Co. Ltd., National Tobacco Building 1 & 2, Old Court House Corner, Calcutta-1.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
4	Bansberia	The East India Electric Supply & Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta-7.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
5	Barakar	The Barakar Electric Supply Co. Ltd., P.O. Bharakar, Distt. Burdwan.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.

WEST BENGAL—Contd.

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
COMPANIES—contd.				
6	Berhampur	The Berhampur Electric Supply Co. Ltd., Berhampur, P.O. Khagra, Distt. Murshid- abad.	11,000 400 230 440 220	3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire
7	Bhatpara	The River side (Bhatpara) Electric Supply Co. Pvt. Ltd., 135, Princep Street, Cal- cutta-13.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
8	Chandernagore	The Chandernagore Electric Supply Co. Pvt. Ltd., 20, Park Street, Calcutta-16.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
9	Calcutta	The Calcutta Electric Supply Corpora- tion Ltd., Poddar Court, 18, Rabindra Sarani, Calcutta-1	132,000 33,000 22,000 6,600 3,300 400 230 450 225	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire
10	Dishergarh	The Dishergarh Power Supply Co. Ltd., Central Office, Sanctoria P.O. Dish- garh, Distt. Burdwan.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
	Hooghly Chinsura	The East India Electric Supply & Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
12	Jamuria	The Jamuria Electric Supply Co. Burnpur Road, Asansol.	400 230	3 ph. A.C. 1 ph. A.C.
13	Kalimpong	The Kalimpong Electric Supply Co. Ltd., 16, Ganesh Ch. Avenue, Calcutta-13.	400 230	3 ph. A.C. 1 ph. A.C.
14	Krishnagar	The West Bengal Power Supply Co. Ltd., National Tobacco Building, 1 & 2, Old Court House, Corner, Calcutta.	11,000 6,600 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
15	Midnapur	The West Bengal Power Supply Co. Ltd., National Tobacco Building, 1 & 2, Old Court House Corner, Calcutta.	3,300 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
16	Nabadwip	The West Bengal Power Supply Co. Ltd., National Tobacco Building 1 & 2, Old Court House, Corner, Calcutta.	11,000 6,600 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
17	Naihati	The Naihati Electric Supply Co. Ltd., M/A. M/s. Sanyal & Co., 309, Bipin Bihar Street, Calcutta-12.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
18	Purulia	The Purulia Electric Supply Co. Ltd., Barakar Road, Purulia.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
19	Raneegunj	The Raneegunj Electric Supply Co. Ltd. 40-1, Mahatma Gandhi Road, Calcutta-9.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
20	Seebpore	Associated Power Co. Ltd., (Seebpore Power House), Central Office, Sanctoria, P.O. Dishergarh, Distt. Burdwan.	11,000 3,300 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 Ph. A.C.

WEST BENGAL—*Contd.*

Sl. No.	Name of the Undertaking/ Power stations	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
21	Tarakeshwar	The Tarakeshwar Electric Supply Co. Ltd., 9, Lalbazar Street, Calcutta-1.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
22	Vishnupur	The Vishnupur Electric Supply & Industrial Development Co. Ltd., 23-B, Allenby Road, Calcutta-20.	400 230	3 ph. A.C. 1 ph. A.C.
UNION TERRITORIES GOVERNMENTS				
DELHI				
1	Delhi Electric Supply Undertaking	The General Manager, Delhi Electric Supply Undertaking, Central Power House, Rajghat, P.O. Box No. 589, New Delhi.	33,000 11,000 6,600 400 230 500 250	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire
	(a) <i>Steam Power Stations</i>			
	1. Chanderwal 2. Inderprastha 3. Rajghat (A+B) 4. Rajghat (15 MW) 5. Inderprastha (Exten.)			
	(b) <i>Diesel Power Stations</i>			
	1. Rajghat 2. Lahorigate 3. Kilokri			
2	New Delhi Municipal Committee	The Chief Electrical Engineer, New Delhi Municipal Committee, Vidyut Bhavan, Chanakyapuri, New Delhi.	6,600 400 440 220	3 ph. A.C. 3 ph. A.C. D.C. 3 Wire D.C. 2 Wire
ANDAMAN & NICOBAR ISLANDS				
	Government of Andaman & Nicobar Islands, Port Blair.	The Executive Engineer, (Electricity Deptt.), Andaman & Nicobar Islands, Port Blair.	6,600 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
	(a) <i>Steam Power Station</i>			
	Chatham			
	(b) <i>Diesel Power Stations</i>			
	1. Chatham 2. Rangat 3. Mayabam 4. Diglipur 5. Car Nicobar 6. Biglapathy 7. Noncourie 8. Cambill bay 9. Wimberlyganj 10. Neil Island			
GOA, DAMAN & DIU				
1	Government of Goa, Daman & Diu	The Chief Electrical Engineer, Government of Goa, Daman & Diu, Santa Ineg P.O. Panji (Goa).	110,000 33,000 11,000 400 230 400 230	3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire

UNION TERRITORIES GOVERNMENTS—*Contd.*

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
1	Municipality Mormugao	The President, Camara Municipal DE Mormugao, Secretaria, Vascode Gama.	3,300 400	3 ph. A.C. D.C. 3 Wire
	Chowgule	Chowgule & Co. Ltd., Mechanical Ore Handling Division, Plant Office Berth No. VII, Mormugao Harbour (Goa).	3,300	3 ph. A.C.
	Government of Dadra Nagar Haveli	The Dy. Engineer, Elec. Sub Division, P.W.D., Dadra & Nagar Haveli, Silwassa.	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
	Government of Laccadives Minicoy	The Asstt. Executive Engineer (Elect.) Union Territory of Laccadives, Kava- rathi (Via) H.P.O., Calicut.	400 230	3 ph. A.C. 1 ph. A.C.
	<i>Diesel Power Stations</i>			
	1. Minicoy Island Power House 2. Kawarathi Island Power House 3. Amin Island Power House 4. Androth Island Power House 5. Kalpeni Island Power House 6. Agathi Island Power House 7. Kadmath Power House 8. Kiltom Island Power House			
		PONDICHERRY		
1	Government of Pondicherry	The Director of Electricity, Electricity Department, Pondicherry.	22,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.
		TRIPURA		
	Government of Tripura	The Superintending Engineer, Govern- ment of Tripura, Electrical and Me- chanical Division, Agartala (Tripura).	11,000 400 230	3 ph. A.C. 3 ph. A.C. 1 ph. A.C.

INDEX

(Figures in brackets refer to table numbers)

Accidents—Electrical	7(62)
Addition—Plant	
Boiler	(15)
Diesel	2.5
Hydro	2.5(13)
Steam & Gas Turbine	2.5(14)
Assets, according to ownership	8
Balance Sheet, consolidated	(V)
Boiler Capacity	2.9.1(23)
Capital Loan	
Shares	
Capital Expenditure	
Consolidated	
Connected load—Categorywise	4.3(1,52)
Statewise	(52)
Consumers—Categorywise	4.3(1,51)
Statewise	(51)
Financial Results for (Tentative)	12
Fuel Consumption by	
Diesel Power Stations	1,2.9.5, 2.12 (1,32)
Railway Power Stations	(60, 61)
Steam Power Stations	1,2.9.2,2.12(1,29)
Generating Stations (number of AC & DC	
according to)	2.10(26)
Diesel	2.9.5(25)
Hydro	2.9.1(22)
Industrial	5(55)
Jointly owned	2.3(11)
Steam	2.9.2(23, 24)
Generating Sets—	
AC & DC, according to	2.10(26, 28, 29, 30, 31)
Diesel	2.10(26)
Hydro	2.10(26, 28, 31)
Steam	2.10(26, 29, 31)
Generation—	
AC & DC according to	(26)
All India	1, 2, 1, 2.2, 2, 4,d(2, 3, 4, 5, 6, 7, 8, 9, 10)
Diesel Power Stations in	2.1, 2.4, 2.9.5(1, 2, 5, 9, 25, 30)
Hydro Power Station in	2.1, 2.4, 2.9(1, 2, 5, 7, 22)
Industries by selected	5(1, 55, 56, 57)
Railway Power Station	6(60, 61)
Statewise	4, 5, 7, 8, 9, 10, 12, 35, 36, 45(1) to 45(20)
Steam Power Stations in	2.1, 2.4, 2.9.2(1, 2, 5, 8, 21, 23, 29)
Ownership, according to	2.1, 2.2 (2, 3, 4, 27)

Index number of Electricity Supply—All India	(46)
Industries selected	
Energy consumed by	5(55, 56, 59)
Energy purchased by	5(55, 56)
Energy generated by	5(55, 56, 57)
Installed Plant Capacity of	5(55, 56, 57, 58)
Maximum Demand	(55, 56)
Installed Plant Capacity—	
AC & DC according to	(26)
All India	1, 2.1, 2.2, 2.10(1, 2, 3, 4, 5, 7, 8, 9, 10)
Diesel	2.1, 2.2, 2.9.5(1, 2, 3, 5, 9)
Hydro	2.1, 2.9.1 (1, 2, 5, 7, 22)
Industries of selected	5(1, 50, 51, 52, 53)
Nuclear	2.1, 2.9.4(1, 10)
Railway Power Stations	6(1, 60, 61)
Statewise	[4, 5, 45(1) to 45(20)]
Steam	2.1, 2.9.2 (1, 2, 5, 8, 12)
Ownership according to	2.1, 2.2 (2, 3, 4, 7, 8, 9, 10)
Inter State Sale/Transfer of power	3(34)
Jointly owned Power Stations	2.3(11)
Load factor	2.4
Losses, Energy in transformation, Transmission, distribution and unaccounted for—	
All India	3(1, 33)
Statewise	3(35, 45(1) to 45(20))
State Electricity Board and Govt. Departments	3(36)
Maximum Demand on Industrial Power Stations	(55, 56)
Maximum Demand on Railway Power Stations	6(60, 61)
Maximum Demand on Utilities Power Stations—	
All India	2.4(5)
States according to	(5, 12)
Types of Plant according to	2.4(5, 12)
Ownership according to	(12, 21)
Per Capita Consumption—	
All India	3.3(1, 42)
Statewise	(42)
Plant Additions, See under Additions	
Plant withdrawal	2.6
Power Stations Number of—See under Generating Stations.	
Power Station Auxiliaries, Energy consumed by—	
All India	(6)
Purchase, Energy-redistribution—	
All India	1, 3, (1, 32)
State Electricity Board by	3.1.3
Statewise	3(34, 45(1) to 45(20))
Progress of Electricity Supply—	
All India	3.5(45)
Statewise	3.5(45(1) to 45(20))
Revenue, Categorywise	
Consolidated	
Consolidated, net	
Per kWh sold	

Railway Power Stations—

Fuel consumed by	(60, 61)
Generated by	6(1, 60, 61)
Installed Plant Capacity	6(1, 60, 61)
Maximum Demand on	6(60, 61)

Sales, Energy

All India	1, 3, 3.1, 3.2 (1,37)
Electricity Boards, by	3(39)
Inter-State Sale/Transfer	3(34)
Private Sector by	(41)
Statewise	3, 3.1 (35, 45(1) to 45(20))

Thermal Efficiency of Steam Power Stations 2.9.3(24)

Transformers 4.2(49, 50)

Transmission and distribution lines 4.1(1, 47, 48)

Town & Village electrified—

All India	4.4(1, 49, 50)
Statewise	(49, 50)

Undertakings—

acquisition of	2.7(16)
Generating	2.7, 2.8 (1, 4, 17, 18)
Number of	2.7(1, 3, 4)

Voltage of Generation 2.11(31)