



GOVERNMENT OF INDIA  
MINISTRY OF IRRIGATION AND POWER  
CENTRAL ELECTRICITY AUTHORITY

PUBLIC ELECTRICITY SUPPLY  
ALL INDIA STATISTICS

1967-68

**GENERAL REVIEW**

As compiled by the Central Water & Power Commission (Power Wing)  
and on behalf of the Central Electricity Authority

## F O R E W O R D

The salient features of the progress and development of electricity supply industry in the Indian Union during the year 1967-68 have been summarised and presented in this publication which also covers selected industries. The presentation generally follows the same pattern as in the previous years except for the following:

- (i) Upto the year 1966-67 the practice followed for presentation of certain State-wise tables was to show the installed capacity, maximum demand on, and, generation from, the jointly-owned power stations, in that State which has the major share. While this practice is technically in order, necessary and useful for the purpose of ascertaining the energy losses in transmission and distribution within the State boundaries, it is considered desirable to show installed capacity and generation of energy from such jointly-owned power stations also in proportion to the shares of the participating States along with the actual off-takes. Accordingly, the presentation of table numbers 2, 3, 4, 8, 10, 18, 19, 39 and 41(1) to 41(18) has been suitably altered. To facilitate comparison of the figures for the year 1967-68 with those of the previous years, such changes have also been made upto the previous year of 1965-66.
  - (ii) The figures of installed capacity of certain power houses like Bandel (West Bengal), DVC and Kundah (Tamil Nadu), etc. have been revised due to certain technical reasons. For the sake of comparison, the figures for the previous year also have been correspondingly revised.
  - (iii) Upto the year 1966-67, the installed capacity and generation figures of certain State Electricity Boards and the Government Electricity Departments in the same State, such as, Andhra Pradesh, Mysore, Orissa etc. were presented jointly. It is now considered desirable to give this information separately in respect of the State Governments and State Electricity Boards.
2. The Central Electricity Authority is grateful to the various governments of the States and Union Territories, State Electricity Boards and

other electricity supply authorities - both in the public and private sectors - for the supply of essential data without which the compilation of this publication would not have been possible. The Central Electricity Authority regrets the delay in the publication which was mainly due to late receipt of data from some undertakings. In a few cases where the data have not been received at all, the Authority either had to resort to estimation of the figures wherever possible, or to indicate 'Not Available'.

3. As the publication is intended to present, as far as possible, a correct picture of the progress achieved by the electricity supply industry in each State/Union Territory of the Union for a particular year, it is necessary that in order to enhance its utility it is brought out well in time. To this end the cooperation of all electricity supply undertakings - both in the public and private sectors - is solicited in ensuring that complete statistical and financial details regarding their undertakings are made available to this Authority as expeditiously as possible.

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

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

Bikaner House,  
Shahjahan Road,  
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October, 1969.

Sd/-  
(A.K. GHOSE)  
CHAIRMAN  
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SECTION - I  
TECHNICAL STATISTICS

PUBLIC ELECTRICITY SUPPLY - ALL INDIA STATISTICS  
1967-68

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 11,383.163 MW, including 136.00 MW of plant in the Chola Power Station of the Central Railway, 306.00 MW of plant in the Neyveli Power Station and 62.50 MW in Renukot Power Station (U. P.). The net addition to generating capacity of Utilities was 1,790.996 MW, which represents an increase of 17.7 per cent over the installed plant capacity in the previous year. The total power generated by all the Utility undertakings was approximately 41.195 million kWh and the quantum of power purchased by them from non-utilities was 104.75 million kWh. After meeting the power 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 32.737 million kWh. The increase in the sales to ultimate consumers during the year was approximately 3609 million kWh equivalent to an increase of 12.4 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 years 1951, 1956, 1960-61, 1965-66, 1966-67 and 1967-68 are summarised in Table 1.

2. POWER GENERATION

2.1 Installed Generating 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 86.8 per cent of the installed plant was in the Public Sector and this generated 84.1 per cent of the total power. In the Private Sector, the installed plant capacity & generation were 13.2 and 15.9% of All India respectively. The prime-mover wise position is given below:-

	Public Sector		Private Sector		Total	
	Installed capacity %	Generation %	Installed capacity %	Generation %	Installed capacity %	Generation %
1	2	3	4	5	6	7
Steam	39.8	41.1	10.4	12.9	50.2	54.0
Gas Turbine	1.1	0.2	-	-	1.1	0.2
Diesel	2.1	0.4	0.4	0.2	2.5	0.6
Hydro	43.8	42.4	2.4	2.8	46.2	45.2
All India:	86.8	84.1	13.2	15.9	100.0	100.0

## 2.2 Installed Generating Plant Capacity and Electricity Production

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 in the public utility undertakings were 11,833.163 MW and 41,194.6 million kWh respectively at the end of the year as per details shown below:

	<u>Total Installed Capacity (MW)</u>	<u>Generation (Million kWh)</u>
(1) State Electricity Boards.	7263.531	23457.750

	<u>Total Installed Capacity (MW)</u>	<u>Generation (Million kWh)</u>
(2) Government Undertakings, Electricity Departments/ Damodar Valley Corporation	2785.554	10485.239
(3) Municipalities	271.142	510.655
(4) Companies	1562.936	6540.993
Total:	<u>11883.163</u>	<u>41194.837</u>

Tables 5 and 6 give further details of installed plant capacity, aggregate maximum demand and generation by type of plant arranged statewise. Tables 8, 9 & 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. 1741.750 MW of plant capacity was under joint ownership. The energy sent out from these projects was 5,215.745 million kWh.

### 2.4 Generation Maximum Demand and Load Factor

The aggregate generation maximum demand registered in the Public Sector Utility undertakings was 8,423.419 MW and that in the Private Sector undertakings was 1,279.318 MW. Table 12 gives the demand registered in the respective sectors, in each of the States.

It may be mentioned that these demands are the aggregate of the individual power station demands and not of simultaneous



maximum demands of the systems, sufficient data about which are not available.

The aggregate maximum demand, kWh generated per kW of plant capacity, load factor and plant demand factor, for steam, gas turbine, diesel and hydro stations grouped separately on All India basis is given below:-

Type of power plant	Aggregate installed plant capacity (MW)	Energy generated (Million kWh)	Aggregate maximum demand (MW)	Aggregate kWh generated per kW of plant capacity	% load factor based on (col. 4:2)	% plant demand factor (col. 4:2)
1	2	3	4	5	6	7
Steam	5,975.410	22,232.74	4,876.784	3,721	52.0	81.6
Gas Turbine	134.000	78.06	43.300	583	19.3	34.5
Diesel	286.837	225.78	155.508	787	16.3	54.3
Hydro	5,486.916	18,658.06	4,324.045	3,400	46.1	84.3
<b>Total:</b>	<b>11,883.163</b>	<b>41,194.64</b>	<b>9,702.737</b>	<b>3,467</b>	<b>48.5</b>	<b>81.7</b>

## 2.5 Additions to Generating Capacity

During the year 1,850.87 MW of generating capacity was added which figure excludes 3.30 MW installed capacity which is due to difference in reporting and 63.82 MW of plant capacity was withdrawn, resulting in a net increase of 1,790.35 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).

State	Steam (MW)	Die- sel (MW)	Gas Tur- bine (MW)	Hydro (MW)	Total (MW)	Remarks
1	2	3	4	5	6	7
Andhra Pradesh	120.00	-	-	120.00	240.00	
Assam	-	-	-	-	-	
Bihar	50.00	(0.80)	-	-	50.00 (00.80)	
Gujarat	10.00*	-	-	-	10.00*	Kandla* commer- cially commis- sioned in 1967-68
Haryana	62.50	-	-	39.76	102.26	
Jammu & Kashmir	-	5.00	-	-	5.00	
Kerala	-	-	-	168.00	168.00	@
Madhya Pradesh@	125.00@	-	-	21.50	146.50@	III unit of
Maharashtra	62.50	-	-	82.50	145.00	50 MW of
Mysore	-	-	-	178.20	178.20	Korba
Nagaland	-	-	-	-	-	Stage
Crissa	125.00 ( 2.50)	-	-	-	125.00 ( 2.50)	commer- cially commis- sioned in
Punjab	10.00	-	-	61.04	71.04	1968-69
Rajasthan	50.00	-	-	39.76	89.76	hence not taken
Tamil Nadu	100.00	-	-	-	100.00	
Uttar Pradesh	276.50	-	-	-	276.50	
West Bengal	-	-	-	18.00	18.00	
<b>UNION TERRITORIES</b>						
Delhi	125.00	-	-	-	125.00	
Rest	-	0.61	-	-	0.61	
Total:	1116.50	5.61	-	728.76	1850.87	
Wrong reporting	( 2.50)	(0.80)	-	-	(3.30)	

The plant additions under Steam, Diesel, and Hydro as above constitute 60.4, 0.3 and 39.3 of the total installed plant capacity added.

For further details about Steam, Gas Turbine and Hydro plants added during the year, tables 13 and 14 may be referred to. The boilers commissioned during 1967-68 are given in Table 15.

#### 2.6 Plant Withdrawn

The plant withdrawn during the year was as follows:-

Steam	30.50 MW
Diesel	33.32 MW
Hydro	Negligible
Total:	63.82

#### 2.7 Authorised Undertakings

Two undertakings have been acquired by the State Electricity Boards. Details are given in Table No. 18. The Chola Power Station of Central Railway, Thermal Power Station of Neyveli Lignite Corporation Ltd. and Renukot Power Station in Uttar Pradesh have been considered under public 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 241 [treating electricity departments as separate undertaking, from this year (1967-68)]. Out of these 29 undertakings were generating and distributing; 68 undertakings were generating, purchasing and distributing; and 144 undertakings were

purchasing and distributing. The number of operating undertakings according to ownership may be seen below:-

Ownership	Generating and distributing	Generating, purchasing & distributing	Purchasing and distributing	Total
1	2	3	4	5

(i) Public Sector

(a) State

Electricity Board/ Electricity Deptt. / Govt. Undertaking	17	18	3	38
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(b) Power

Corporation	-	1	-	1
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(c) Municipality

	1	13	30	44
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Sub-total:	18	32	33	83
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(ii) Private Sector

(Company):	11	36	111	158
Total:	29	68	144	241

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

A large number of company-owned utility undertakings were operating in Maharashtra (40), Gujarat (27), West Bengal (24) and Uttar Pradesh (19). In other States, their number was 10 or less, each. In Andhra Pradesh, Jammu & Kashmir, Nagaland, Orissa and Union Territories (except Goa, Daman and Diu) there were no private utility undertakings.

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

Table 18 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 19 gives the distribution of generating undertakings according to their aggregate generation for all undertakings, and, table 20 gives the distribution of generating undertakings according to maximum demand for State Electricity Boards/State Governments/Government Undertakings and Power Corporation. 32 undertakings whose generation exceeded 50 million kWh each accounted for 99.2 per cent of the total power generated by utilities in India. 23 Boards/Government Departments/Government Undertakings/Power Corporation, each having an aggregate maximum demand, above 10,000 MW accounted for 91 per cent of the all-India aggregate of maximum demands for power on utility power houses.

2.9 Classification of Power Stations

2.9.1 Steam Power Stations

Table 21 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 64 stations, whose capacities exceeded 10.00 MW each. Among these stations 32 stations exceeded 50.00 MW and out of these, only four stations had capacities up to 1.00 MW.

The 64 stations whose individual capacities exceeded 10 MW generated 98.6% of the total power produced by the steam

power stations. Among these stations only 32 whose individual capacity exceeded 50.00 MW generated 88.0% of the total power produced by all steam power stations.

Table 21 also gives the aggregate steam raising capacity of boilers which was 25,408 tonnes per hour, which correspond to 4.25 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:-

	<u>1966-67</u>	<u>1967-68</u>	<u>% increase over 1966-67</u>
No. of stations	89	94	-
Aggregate Installed Capacity (MW) at the end of the year	4,886,910*	5,975,410@	22.3
Total energy generated (Million kWh)	19,295.444	22,232.745	15.2
Capacity of boilers (tonnes per hour)	21,724	25,408	13.93
Average capacity of boiler per kW of generating plant capacity (kg per hour)	4.4	4.25	(-) 3.41
<b>Fuel consumed:</b>			
Coal, Lignite, Wood (Tonnes)	13,031,496	14,689,826	12.7
Furnace Oil(kilo litres)	626,234	801,647	28.0
Overall Thermal efficiency (Percentage)	23.2	24.0	3.45
Average plant load factor (Percentage)	44.6	42.5	(-) 4.7

\* Capacity Revised

@ III unit of 50 MW of Korba Stage II though tested in 67-68 was commercially commissioned in 1968-69 and hence not taken in 1967-68.

### 2.9.2 Efficiency of Thermal Stations

The average overall efficiency of all the Steam power stations was 24.0 per cent as compared with 23.2% for the year 1966-67. For details, table 21 may be seen wherein the overall efficiency of thermal stations is given according to capacity groupings of power stations. In the case of stations of capacity above 100.00 MW each, the average overall efficiency was 26.53%.

Table 22 shows the distribution of steam power stations according to their average overall efficiency. 32 power stations with aggregate installed capacity of 78.0% of the total steam plant installed, were working with efficiencies from 20% and above and generated 81.2% of the energy. 17 stations worked at efficiencies between 25% to 30% and only 8 stations above 30% efficiency.

The maximum <sup>steam</sup> pressure and temperature adopted in the steam power stations was 179.3 kg per sq. cm and 571<sup>o</sup>C respectively.

### 2.9.3 Gas Turbine and Diesel Power Stations

Table 23 gives the classification of gas turbine and Diesel power stations according to the range of installed plant capacity. There was no change in the number of the gas turbine power stations. The performance of the gas turbine power station during the year is given below:-

	<u>1967-68</u>
Number of generating stations.	6
Aggregate installed capacity (MW)	134.00
Total energy generated (Million kWh)	78.057

Table 23 also shows that out of 342 diesel stations only 30 stations had capacities in excess of 2.500 MW each, and

accounted for 46.6% of the total diesel plant capacity and 52.7% of the total diesel generation. The diesel power stations consumed 80,733 kilo litres (estimated) of fuel. The all India average fuel consumption was 0.36 litre per kWh generated.

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

	<u>1966-67</u>	<u>1967-68</u>	<u>% increase over 1966-67</u>
Aggregate installed capacity (MW)	314.034*	286.837	(-) 8.7
Total energy generated (Million kWh)	265.585	225.776	(-)15.0
Fuel consumed (kilo-litres) (estimated)	97.273	80,733	(-)17.0
Average fuel consumption per kWh generated (litres) (estimated)	0.37	0.36	(-) 2.7
Average plant load factor(%)	9.1	9.0	(-) 1.1

#### 2.9.4 Hydro Power Stations

Table 24 gives the classification of hydro stations according to the range of installed capacity.

Among 96 hydro stations 53 stations had capacities exceeding 10.00 MW each and accounted for 98.5 of total installed hydro plant capacity. These stations generated 98.3% of the total power produced by all the hydro power stations in India.

The position for hydro stations is summarised on the next page.



	<u>1966-67</u>	<u>1967-68</u>	<u>% increase over 1966-67</u>
Number of hydro stations	97	93	(-) 1.03
Aggregate Plant Capacity (MW)	4,757.223*	5,486.916	15.3
Total energy generated (Million kWh)	16,734.098	18,658.059	11.5
Average plant load factor (%)	39.9	38.8	(-) 2.8

#### 2.10 Installed Power Plant According to AC and DC Generation

Out of 532 power stations under review 521 stations generated alternating current, 4 both alternating and direct current and the remaining 7 generated only direct current. Table 25 shows the corresponding plant capacity and generation.

Table 23 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.

Tables 27, 28 and 29 give the classification of Plant according to the size of the sets for steam, gas turbine, diesel and hydro categories respectively, giving break-up by ownership and AC/DC. The information contained in these tables are summarised on facing page for those stations where set-wise data were available.

	Public Sector		Private Sector		Total	
	No. of sets	Installed capacity (MW)	No. of sets	Installed capacity (MW)	No. of sets	Installed capacity (MW)
1	2	3	4	5	6	7

#### A. C. Plant

Steam	254	4734.9	93	1,240.2	347	5,975.1
Gas Turbine	9	134.0	-	-	9	134.0
Diesel	925	206.5	134	42.4	1059	249.2
Hydro	292	5209.4	24	277.5	316	5,486.9
Total						
A. C. Plant	1480	10284.8	251	1,560.4	1731	11,845.2

#### D. C. Plant

Steam	-	-	3	0.3	3	0.3
Diesel	18	2.4	20	2.3	38	4.7
Hydro	-	-	-	-	-	-
Total						
D. C. Plant	18	2.4	23	2.6	41	5.0
Grand Total:	1498	10287.2	274	1,563.0	1772	11,850.2

#### 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 30, in case of stations where setwise data were available.

#### 2.12 Fuel Consumption

The fuel consumed in the thermal power stations in the various States in the year 1967-68 is given in Table 31. The steam power stations consumed about 12,210,192 tonnes of coal, 2,462,579 tonnes of lignite, 17,055 tonnes of wood and about 801,647 kilo-litres of furnace oil. The gas turbines consuming diesel oil and the diesel stations, consumed about 88,123 kilo litres of diesel oil for power generation. The average heat in-put per kWh generated in the steam plants

(including reciprocating steam plants) was 3594 kilocalories and the average diesel oil consumption by the gas turbine and diesel power stations was 0.37 litre per kWh.

### 3. ENERGY UTILISATION

Table 32 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 5.0% of the total energy generated and purchased was utilised by the power station auxiliaries. 79.5% of the net energy was sold to ultimate consumers. Thus the losses and energy unaccounted for from all sources were 16.5% of the total energy available for supply.

Table 33 gives further details of energy generated, purchased and utilised in the different States by all the Public Electricity Supply Undertakings.

The aggregate of Inter-State energy transfers from undertakings in one State to those in the other was 5139 million kWh. This compared to the total sales to ultimate consumers works to 15.7%. For comparison, the aggregate of inter-State energy transfers from 1950-61 onwards is given below:-

(Million kWh)			
Year	Total sales to Ultimate consumers	Aggregate of Inter-State transfers of energy	Column 3 as percentage of 2
1	2	3	4
1960-61	13953	921	6.6
1961-62	16448	781	7.8
1962-63	18679	3,284	17.6
1963-64	21794	3,273	15.0
1964-65	24219	3,443	14.2
1965-66	26770	3,751	14.0
1966-67	29128	4,479	15.4
1967-68	32737	5,139	15.7

The utility electricity supply undertakings also purchased 104.752 Million kWh from the non-utility undertakings. This table also gives statewise energy consumed by the power station auxiliaries, losses in transformation, transmission and distribution system and unaccounted consumption.

Table 34 gives details of energy generated, purchased, and utilised by State Electricity Boards, Government Electricity Departments of Union Territories, Jammu & Kashmir and Nagaland and the D.V.C. The details of the above two tables are summarised below:-

	(Million kWh)	
	All State Elec. Boards/ Elec. Deptts. of U. Ts., Jammu & Kashmir & Nagaland/D. V. C.	All India Utilities
1. Total energy generated	29,268.476	41,194.637
2. Energy purchased/ transferred from		
(a) Non-Utilities	104.752	104.752
(b) (i) Private sector Utilities,		
(ii) Govt. Undertakings and (iii) Electricity departments other than those of "U. Ts., Jammu & Kashmir and Nagaland"	8,442.329	Not applicable
3. Total Power from all sources (1 & 2)	37,815.557	41,299.389
4. Energy used by power station auxiliaries	1,351.457	2,075.120

(Million kWh)		
	All State Elec. Boards/ Elec. Deptts. of U. Ts, Jammu & Kashmir & Nagaland/D. V. C.	All India Utilities
5. Total energy available for supply	35,464.729	39,224.269
6. Energy Sales to:-		
(a) Utilities	8,356.693	Not applicable towards calcu- lation of losses.
(b) Ultimate consumers (directly ultimate consumers)	22,623.417	32,733.872
7. Energy (i) lost in transformation, transmission, distribution and (ii) unaccounted for	5,484.319 <sup>@</sup>	6,487.397
8. Loss as percentage of energy available for supply	15.04 <sup>@</sup>	13.5

<sup>@</sup> This excludes (naturally) losses in the systems of licensees and municipalities purchasing power and of supplying undertakings like Neyveli and Durgapur Projects.

### 3.1 Energy Sales

Table 35 gives the sales of Utilities to ultimate consumers who are classified under eight broad categories. 8.9% of the total sales of Utilities was for domestic light and small power, 5.3% for commercial lighting, heating, and small power, 69.8% for industrial, 1.1% for public lighting, 4.0% for railways and tramways, 7.9% for agricultural (pumping), 2.2% for public water works and sewage pumping and 0.8% 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 11.5, 12.1, 10.3, and 22.7, respectively. The net average increase in power sales by Utilities to all classes of consumers was 12.4% over that in the previous year.

Table 36 gives the segregation of net energy sold in each state according to different categories of consumption. The industrial power supply is sub-divided into low and medium voltage, and, high voltage categories.

Similar segregation of net power sold in each State by State Electricity Boards is given in table 37.

### 3.2 Electricity Consumption - per capita (Utilities plus non-utilities)

The average per capita consumption of electricity for the Indian Union is estimated at 71.64 kWh in 1967-68 as compared to 66.17 kWh for the year 1966-67. The per capita consumption thus increased by 8.3% over that in the previous year.

Table 38 gives the annual per capita consumption of electricity in public utilities under five classes of utilisation in the different States based on the estimated mid-financial year population figures i.e. for 30th September, 1967, the mid-point of 1967-68. This table also gives the contribution made by self-generating industrial establishments including Indian Railways to the per capita consumption in each of the States.

The per capita consumption as computed on this basis for the years 1951, 1953, 1960-61, 1965-66 and 1966-67 is given on next page.

Year	PER CAPITA CONSUMPTION		
	Public utilities (kWh)	From self-generation of Non-utilities (kWh)	Total (kWh)
1967-68	63.65	7.99	71.64
1966-67	58.04	8.13	66.17
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 Territory of Delhi showed the highest overall per capita consumption of electricity of 233 kWh. (Data about Chandigarh not being available, could not be compared).

### 3.3 Per Capita Installed Capacity (Utilities)

Table 39 gives the installed capacity in Utilities per sq. kilometre and per thousand of population for each of the States in India.

During the period under review, the All India aggregate installed plant capacity of Utilities was 3.63 kW/sq. kilometre and 23.09 kW per thousand of population against 3.12 and 20.3 respectively in the previous year. For this purpose, the estimated population figures worked out by the Census Authorities have been used.

### 3.4 Progress of Electricity Supply Industry

Table 40 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 41(1) to 41(19) give the installed capacity, generation, purchase and sale of power etc. for each state separately for the year 1951, 1956, 1960-61, 1965-66, 1966-67 and 1967-68.

Table 42 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 & sales 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	1966-67		1967-68		Increase
	O.H.	U.G.	O.H.	U.G.	
1	2	3	4	5	6
22 kV	21,039	447	21,454	472	2.05
33 kV	42,684	577	49,181	609	17.56
44/37.5 kV	3,348	-	2,930	-	(-)12.50
78/66 kV	19,376	-	19,590	-	1.10
110/90 kV	10,186	-	10,626	-	4.32
132 kV	17,578	-	20,425	-	16.20
220/230 kV	4,562	-	6,386	-	39.93
	118,773	1024	130,592	1081	9.9

O.H. - Overhead line

U.G. - Underground cables.

The length of the lines in different States is given in Table 42. The total length of transmission and distribution lines added during the year was 81,893 circuit kilometres.



Length of transmission lines 33 kV and above, commissioned during the year are given in Table 43.

#### 4.2 Transformers

The number of transformers installed at the end of the year was 162,497 in the Public Electricity Supply Undertakings. Their aggregate capacity was 45,436.8 MVA as classified below:-

	<u>Number</u>	<u>Aggregate capacity (MVA)</u>
Step-up transformers	1,049	12,903.70
Step-down transformers	3,996	21,657.38
Distribution transformers	157,452	10,875.72
Total:	<u>162,497</u>	<u>45,436.80</u>

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 45. Some of the large power transformers commissioned during the year are indicated in Table 46.

#### 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 47 and 48, are summarised below:-

	Number of Consumers			Total connected load (MW)
	A.C.	D.C.	Total	
1	2	3	4	5
Domestic light and small power.	7,282,944	342,330	7,625,274	4,454.025

	1	2	3	4	5
Commercial light and small power	1,674,610	37,627	1,712,237	1,593,552	
Industrial power	401,326	15,346	516,672	9,553,491	
Public lighting	49,021	81	49,102	126,509	
Railways & Tramways	29	-	29	103,057	
Agricultural (Pumping)	813,434	4	813,438	3,173,896	
Public water works and sewage pumping	7,780	21	7,801	231,590	
Miscellaneous	7,317	44	7,361	98,712	
Total:	10,236,469	395,453	10,631,914	19,338,832	say 19337 MW

The number of consumers at the beginning of the year was approximately 9,721,951. During the year approximately 909,963 new consumers were connected thus recording a rise of 9.36% in their number.

#### 4.4 Towns and Villages Electrified

Table 49 shows the statewide distribution of towns and villages electrified by the end of the year. The total number of towns and villages electrified was 2660 and 60540 respectively as per 1961 census.

#### 5. POWER GENERATED AND USED IN SELECTED INDUSTRIES (excluding Railways).

Statistical data from 941 industrial establishments were received and have been analysed. These establishments consumed 15,632 million kWh of energy. Out of this 12,598 million kWh were purchased from public electric utilities and 4,039 million kWh were generated in the power plants owned by 384 self generating Non-Utilities. It should be stated that while it is hoped that almost all self-generating industries

are covered, it is not possible to cover all the thousands of industrial establishments consuming electricity. We have tried to cover large industrial establishments. The consumption mentioned above therefore represents the consumption of the establishments covered.

The generating plant capacity of the self-generating industries decreased by 1.0%. Renukot Power house in Uttar Pradesh has been treated as a Utility since it is working in parallel with Uttar Pradesh State Electricity Board grid.

The industry-wise and statewise data of generating plant capacity, maximum demand, energy generation and purchase relating to selected industries are given in Tables 50 and 51 respectively.

The total installed plant capacity in the industrial power stations was 1,207.636 MW. This capacity was about 9.2% of the total installed plant capacity in the power stations owned by both the public utilities and industrial undertakings including the Indian Railways.

The cotton textiles, aluminium (Primary), iron and steel (Primary), fertilizers, cement (Primary) and jute industries were large purchasers of power from electricity supply undertakings. Oil and Petroleum, sugar, iron and steel (Primary), paper, silk, cement (Primary), collieries, and copper (Primary), industries generated a large portion of their requirements in their own power stations.

The distribution of generating plant capacity in industrial establishments according to range of installed plant capacity is given in Table 52. 24 undertakings with plant capacity of 10,001 MW and above produced 74.1% of the total power generated in the industrial power stations. 145 industries with plant capacity in the range of 1,001 to 10,000 MW generated 23.7 per cent of the total power and the remaining 215 industries generated only 2.3% of the total electricity production by all the industries.

Tables 53 and 54 give the installed generating plant capacity and consumption of energy in 24 classified industries and in the miscellaneous category in each State. The power consumption and load factor of a few important industries are summarised below:

Name of Industry	Energy consumption (Million kWh)	System Load factor %
1. Aluminium (Primary)	2,039.7	81.0
2. Cement (Primary)	1,086.5	62.8
3. Collieries	592.1	50.8
4. Cotton textiles	2,947.8	56.9
5. Engineering	37,373.6	37.9
6. Iron & Steel (Primary)	2,474.4	49.1
7. Fertilizers	1,981.3	80.8
8. Oil & Petroleum	208.4	38.7
9. Paper	776.9	61.7
10. Sugar	264.7	21.7

## 6. RAILWAYS

Electricity statistics in respect of the Indian Railways is shown separately in Tables 55 and 56. This, however, does not include the Chola Power Station of the Central Railway which is covered under public utilities.

The salient features of the Railway Power Stations are summarised below:-

Aggregate installed plant capacity (MW)	62.052
Aggregate - Maximum Demand (MW)	31.920
Generation (Million kWh)	81.6
Consumption in power station auxiliaries (Million kWh)	5.2

The steam power stations of the Railways generated 58.2 million kWh and the Diesel Stations 23.4 million kWh.

## 7. ELECTRICAL ACCIDENTS

Table 57 gives a consolidated summary of the frequency of accidents in the various sections of the electricity supply undertakings as compared to the industrial undertakings. The data are summarised below, covering only those States from whom the 1967-68 data were received.

SECTION	NUMBER OF FATAL ACCIDENTS	
	Electricity Supply Undertakings	Industrial Undertakings
Generation	35(1)*	6(2)*
Transmission	213(30)*	22
Distribution	557(162)*	63
Total:	805(193)*	91(2)*

\* Accidents to animals included.

The accidents in distribution systems are 20.0 times to those in generation premises in respect of electricity supply undertakings.

## 8. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS 1966-67.

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. 202,729 lakhs as against Rs. 164,635 lakhs at the end of 1965-66 (Table I) covering 9,538,638 kW of installed plant capacity and a sale of 28,980 m. kWh. This takes into account the data received from 213 out of 230 undertakings owned and operated by the State Electricity Boards, Government Departments, Power Corporations, Municipalities, and Private Licensees. Of the remaining 17 undertakings, 6 companies, 7 municipality owned undertakings, Electricity Departments of the Jammu and Kashmir, Nagaland, Dadra Nagar Haveli, N.E.F.A. cover only 6.38% of the total installed capacity. In case of some Union Territories, where 1966-67 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:-

	1965-66 (Rs. lakhs)	1966-67 (Rs. lakhs)
1. Government and Boards	136,361*	171,680*
2. Municipalities	6,995	7,824
3. Private Companies	21,259	23,225
	<hr/>	
Total:	164,635	202,729
	<hr/>	

\* including works-in-progress of Bihar, Maharashtra and Uttar Pradesh Boards.

## 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 licensees' 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 1966-67 indicates that the equity and preference share capital as at the end of the year 1966-67 was Rs. 4,028 lakhs and Rs. 839 lakhs as against Rs. 3,711 lakhs and Rs. 650 lakhs respectively at the end of 1965-66 (Table II). The secured loan capital increased from Rs. 3,024 lakhs in 1965-66 to Rs. 3,925 lakhs in 1966-67 (Table - II).

## 10. REVENUE

10.1 The revenue realised by sale of electricity during the year indicates a general overall increase in all the categories of service, as per details given on next page.

I. Sale of electricity	1965-66 (Rs. lakhs)	1966-67 (Rs. lakhs)
(i) Domestic & Residential	5,422	5,807
(ii) Commercial	2,869	3,311
(iii) Industrial	11,932	15,020
(iv) Public Water Works and Sewage Pumping.	467	537
(v) Traction	549	629
(vi) Public Lighting maintenance	593	682
(vii) Irrigation	1,985	2,293
(viii) Other revenue	8,812	10,496
<b>Total:</b>	<b>32,629</b>	<b>38,775</b>

10.2 The total revenue and operating expenses (ownership-wise) are given below:-

A-REVENUE	1965-66 (Rs. lakhs)	%	1966-67 (Rs. lakhs)	%
1. Government/State Electricity Boards/ Power Corporations.	21,939	67.24	26,871	69.30
2. Municipalities	2,410	7.39	2,732	7.05
3. Companies	8,280	25.37	9,172	23.65
<b>Total:</b>	<b>32,629</b>	<b>100.00</b>	<b>38,775</b>	<b>100.00</b>

B. OPERATING EXPENSES	1965-66 (Rs. lakhs)	1966-67 (Rs. lakhs)
1. Government/State Electricity Boards/Power Corporations.		
(i) Expenses	13,551	15,783
(ii) Depreciation	2,801	3,764
(iii) Interest charges	6,247	7,834
<b>Total:</b>	<b>22,599</b>	<b>27,381</b>

2. Municipalities	1965-66 (Rs. lakhs)	1966-67 (Rs. lakhs)
(i) Expenses	1,794	2,046
(ii) Depreciation	136	163
(iii) Interest charges	105	199
Total:	2,035	2,408
3. Companies		
(i) Expenses	6,061	6,794
(ii) Depreciation	598	619
(iii) Interest charges	338	405
Total:	6,997	7,818
Total (1+2+3):	31,631	37,607

#### 11. REVENUE FOR kWh SOLD UNDER EACH CATEGORY

The average overall revenue by sale of electricity (excluding other revenue) for the year 1966-67 was 9.76 paise per unit. Table -VI gives the revenue realised by each category of consumers for the electricity supply industry as a whole.

#### Tentative Financial results of the Electricity Boards, Municipalities, Companies etc. during 1967-68.

A few broad particulars of the tentative financial results of operation of the State Electricity Boards, Municipalities, Companies etc. for the year 1967-68 are detailed below:

	State Electricity Boards/Depart- ments/Power Corporation (Rs. lakhs)	Munici- palities (Rs. lakhs)	Private Companies (Rs. lakhs)	Total (Rs. lakhs)
1. Total fixed assets.	214,100	8,800	23,826	246,726
2. Gross revenue	30,604	3,113	10,294	44,011



	State Electricity Boards/Depart- ments/Power Corporation (Rs. lakhs)	Munici- palities (Rs. lakhs)	Private Companies (Rs. lakhs)	Total (Rs. lakhs)
3. Total operating expenses including depreciations and interest charges	31,022	2,793	8,364	42,679
4. Surplus/Deficit	(-) 418	(+) 320	(+) 1,430	(+) 1,332

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Table No. 1

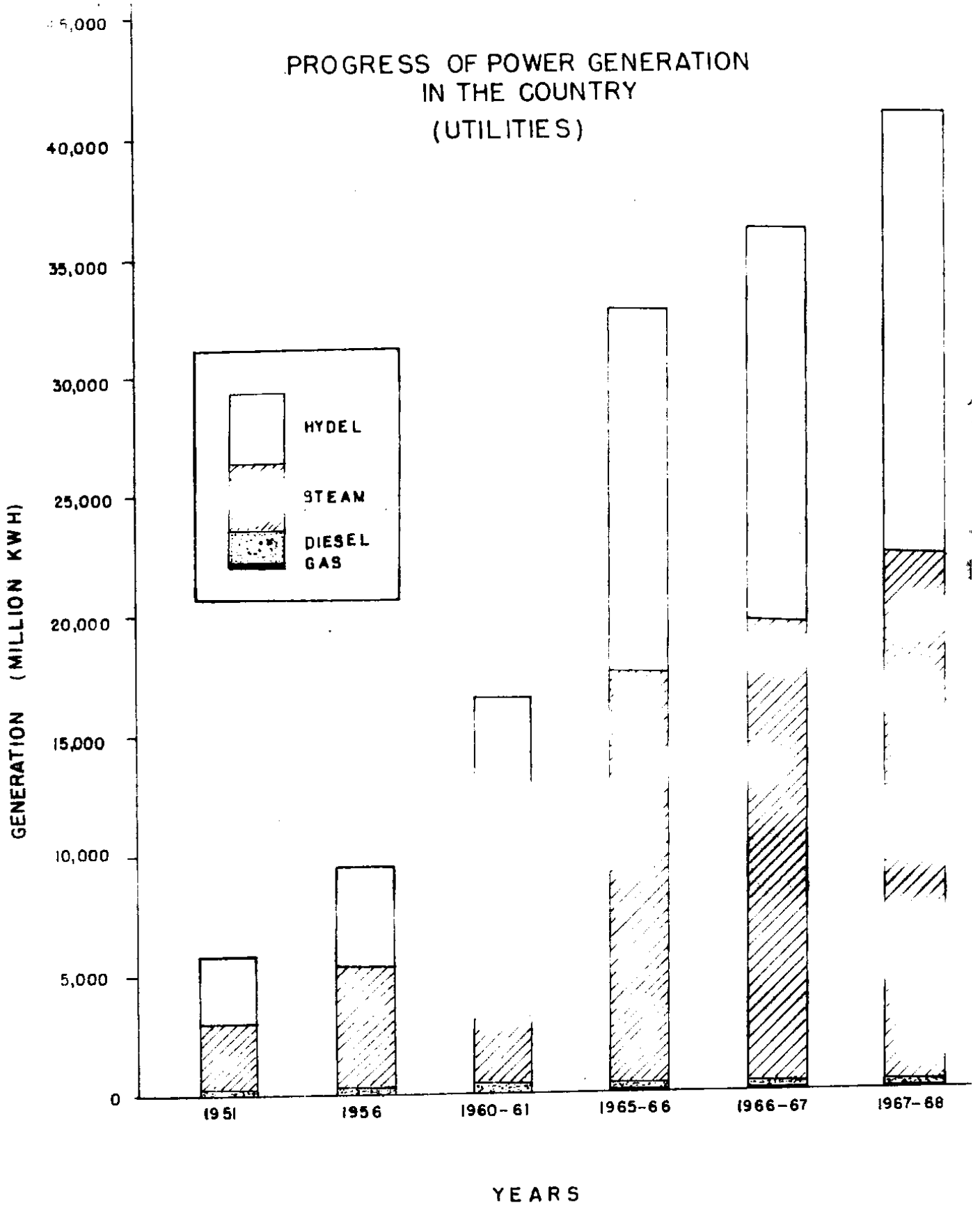
SALIENT FEATURES OF THE ELECTRICITY SUPPLY INDUSTRY

Year	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
1. Generating capacity (MW)-						
(a) (Utilities)						
Steam plant	1097.567	1596.412	2436.255	4417.115	4886.910	5975.410
Gas Turbine plant	-	-	-	134.000	134.000	134.000
Diesel plant	162.680	228.288	300.135	352.159	314.034	285.837
Hydro plant	575.179	1061.441	1916.661	4123.745	4757.223	5486.916
Total:	1835.426	2886.141	4653.051	9027.019	10092.167	11833.163
(b) (Non-Utilities)						
(i) Self-generating Industry.						
	627.977	759.650	1001.372	1082.358	1219.890	1207.636
(ii) Railways						
	-	-	-	63.644	64.028	62.052
Total:	627.977	759.650	1001.372	1146.002	1283.918	1269.688
All India Grand Total:	2463.403	3645.791	5654.423	10173.021	11376.085	13152.851

Table - 1 Contd.

	1	2	3	4	5	6	7
2. Out-put (Million kWh) -							
(a) (Utilities)							
Steam plant	2779.059	5133.900	8732.409	17372.181	19295.444	22232.745	
Gas Turbine plant	-	-	-	69.295	80.460	78.057	
Diesel plant	219.646	233.356	368.022	323.678	265.585	225.776	
Hydro plant	2859.698	4294.377	7836.581	15224.971	16734.098	18658.059	
Total:	<u>5858.403</u>	<u>9662.133</u>	<u>16937.012</u>	<u>32990.125</u>	<u>36375.587</u>	<u>41194.637</u>	
(b)(Non-Utilities)							
(i) Self-generating Industry.	1655.563	2209.509	3186.104	3733.188	4048.180	4038.611	
(ii) Railways	-	-	-	101.935	38.420	81.592	
Total:	<u>1655.563</u>	<u>2209.509</u>	<u>3186.104</u>	<u>3835.123</u>	<u>4136.600</u>	<u>4120.203</u>	
All India Grand Total:	<u>7513.971</u>	<u>11871.642</u>	<u>20123.116</u>	<u>36825.248</u>	<u>40512.187</u>	<u>45314.840</u>	
3. Energy purchased from non-electric utilities (Million kWh)	17.737	18.642	223.041	12.919	55.517	104.752	
4. Energy used by power station auxiliaries (Million kWh)	218.317	386.447	721.864	1647.455	1792.618	2075.120	

PROGRESS OF POWER GENERATION  
IN THE COUNTRY  
(UTILITIES)



	1	2	3	4	5	6	7
<b>5. Sales (Million kWh)-</b>							
(a) Domestic light and small power.	594.080	934.122	1492.291	2355.139	2626.727	2927.96	
(b) Commercial light and small power.	330.016	545.851	847.735	1650.073	1519.649	1750.17	
(c) Industrial	3058.889	5323.424	9696.415	18875.835	20390.802	22852.23	
(d) Public lighting	67.602	117.767	193.241	279.569	308.030	349.93	
(e) Railways/Tramways	329.594	404.925	453.923	1057.282	1180.213	1301.656	
(f) Agricultural	203.048	316.178	832.921	1891.835	2106.483	2585.256	
(g) Public Water Works & Sewage Pumping.	210.115	317.078	436.190	625.161	695.732	709.499	
(h) Miscellaneous	-	-	-	-	-	250.146	
<b>Total:</b>	<b>4793.344</b>	<b>7959.345</b>	<b>13952.716</b>	<b>26734.944</b>	<b>29127.636</b>	<b>32736.572</b>	

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<b>6. Energy lost in transformation; transmission and distribution and unaccounted for.</b>	<b>864.479</b>	<b>1334.983</b>	<b>2485.473</b>	<b>4585.183</b>	<b>5510.850</b>	<b>6487.397</b>	
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**Fuel consumption-**

**(a) In steam power stations.**

(i) Coal (Tonnes)	2478.199	4067.348	6699.590	10273.634	11233.081	12210.192	
(ii) Lignite (Tonnes)	-	-	-	2184.116	1781.360	2462.579	

	1	2	3	4	5	6	7
(iii) Wood (Tonnes)	-	-	-	-	14,196	17,055	17,055
(iv) Furnace Oil (kilo-litres)	-	-	-	-	422,848	626,234	801,647
b) In Gas Turbine & Diesel Power Stations.							
(v) Diesel Oil (kilo-litres)	85,181	83,124	122,052	185,868	116,994	88,123	
(vi) Gas (Million Cubic Metres)	-	-	-	-	-	-	1843.177
8. Aggregate Maximum Demand (MW)	1205,194	1989,774	3545,930	7306,230	8291,571	9702.737	
9. Transmission and Distribution Lines km. (at the end of year)	@39380,00	@50000,00	@146737,26	541475.9	635.722	717.615	
10. Authorised undertakings * (at the end of year)							
(a) <u>Public Sector</u>							
(i) Generating & distributing.					17	16	
(ii) Generating, purchasing & distributing.	269	69	74	80	31	32	
(iii) Purchasing & distributing.							
Sub Total: (a):	269	69		80	70	83	

	1	2	3	4	5	6	7
<b>(b) Private Sector</b>							
(i) Generating & distributing.						15	11
(ii) Generating, purchasing & distributing.	316	301	263	180		35	36
(iii) Purchasing & distributing.						110	111
Sub Total: (b):	316	301	263	180		160	158
Grand Total:	585	370	337	230		239	241

3  
5

**11.No. of consumers-**

(a) Domestic light and small power.	13 07, 059	2180, 659	3666, 889	6379, 240	7082, 237	7625, 274
(b) Commercial light and small power.	273, 280	469, 845	672, 554	1403, 958	1301, 902	1712, 237
(c) Industrial Power including Railways/ Tramways and Public Water Works and Sewage Pumping.	70, 704	108, 753	178, 392	330, 900	370, 236	424, 502
(d) Public lighting.	2, 337	3, 394	15, 123	51, 131	48, 509	49, 102
(e) Agricultural (Pumping).	24, 395	32, 848	195, 992	508, 372	619, 037	813, 438
(f) Miscellaneous.	-	-	-	-	-	7, 331
Total:	1377, 805	2825, 802	4729, 163	6678, 351	9721, 951	10331, 914

Table-1 (Contd.)

	1	2	3	4	5	6	7
12. Connected load(MW)-							
(a) Domestic light & small power.	858.958	1319.328	2234.786	3689.446	4330.725	4454.025	
(b) Commercial Light and small power.	327.579	407.631	526.070	1022.748	1169.017	1593.562	
(c) Industrial power including Railways/ Tramways and Public Water Works and Sewage Pumping.	1723.110	2632.280	4561.915	6749.087	7544.100	9888.138	
(d) Public lighting.	22.723	36.805	76.155	104.519	128.797	126.509	
(e) Agricultural (Pumping).	140.421	327.774	826.530	2037.353	2501.222	3175.896	
(f) Miscellaneous.	-	-	-	-	-	98.712	
<b>Total:</b>	<b>3072.791</b>	<b>4723.818</b>	<b>8225.456</b>	<b>13603.153</b>	<b>15673.861</b>	<b>19336.832</b>	
13. Electrified Towns and Villages.	4,051	8,751	23,969	54,816	56,721	63,200	
14. Per capita generation (Utilities and Non-Utilities.)	20.8	30.9	43.9	73.81	80.73-	88.04	



15. Per capita  
consumption-

(Utilities and  
Non-Utilities.)

17.8      26.4      38.2      61.33      66.17      71.64

16. Capital expenditure  
(Rs. crore).

169.1      516.9      758.8      1,646      2,027

@ Excludes L. T. lines upto 500 volts.

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

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Table No. 2

**INSTALLED PLANT CAPACITY 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 total
1	2	3	4	5	6
<b>I. STEAM</b>					
<u>Public Sector</u>					
	(a) State Electricity Boards.	2729.315	23.0	9176.531	22.3
	(b) Electricity Departments/ Government Undertakings/ D.V.C.	1774.600	14.9	7262.353	17.6
	(c) Municipalities	231.000	1.9	472.493	1.2
	Sub-total	4734.915	39.8	16913.377	41.1
<u>Private Sector</u>					
	Companies	1240.495	10.4	5319.368	12.9
	Total (I)	5975.410	50.2	22232.745	54.0

1	2	3	4	5	6
<b>II. GAS TURBINE</b>					
<u>Public Sector</u>					
(a) State Electricity Boards.		134.000	1.1	78.057	0.2
(b) Electricity Departments/ Government Undertakings/ Damodar Valley Corpora- tion.		-	-	-	-
Sub-total		134.000	1.1	78.057	0.2
<u>Private Sector</u>					
Companies		-	-	-	-
Total (II)		134.000	1.1	78.057	0.2
<b>III. DIESEL</b>					
<u>Public Sector</u>					
(a) State Electricity Boards.		189.139	1.6	120.670	0.3
(b) Electricity Departments/ Government Undertakings/ Damodar Valley Corpora- tion.		20.485	0.2	24.004	0.1
(c) Municipalities		32.282	0.3	13.819	-
Sub-total		241.906	2.1	158.493	0.4

Table No. 2-(Contd.)

1	2	3	4	5	6
<u>Private Sector</u>					
Companies		44.931	0.4	67.283	0.2
Total (III)		286.837	2.5	225.776	0.6
IV. HYDRO					
<u>Public Sector</u>					
(a) State Electricity Boards.		4211.077	35.4	14080.116	34.1
(b) Electricity Departments/ Government Undertakings/ Damodar Valley Corpora- tion.		990.469	8.3	3399.258	8.2
(c) Municipalities		7.860	0.1	24.343	0.1
Sub-total		5209.406	43.8	17503.717	42.4
<u>Private Sector</u>					
Companies		277.510	2.4	1154.342	2.8
Total (IV)		5486.916	46.2	18658.059	45.2
Grand Total (I+II+III+IV)		11883.163	100.0	41194.637	100.0

Table No. 3

**INSTALLED PLANT CAPACITY AND GENERATION BY OWNERSHIP AND INCREASE OVER PREVIOUS YEAR**

Ownership	Number of Undertakings	Installed Plant Capacity			Generation		
		As on 31-3-1968 (M.W.)	Percentage of total	Increase over 31-3-67 %	Energy Generated 1967/68 (Million kWh)	Percentage of total	Increase in 1967-68 over 1966-67 %
1	2	3	4	5	6	7	8
<b>1. Public Sector</b>							
(a) State Electricity Boards.	15	7263.531	61.1	19.5	23457.374	56.9	15.3
(b) Government Departments.	19	1043.054	8.8	45.5	3274.003	7.9	13.5
(c) Government Undertakings.	4**	821.000	6.9	13.9	3227.838	7.8	13.7
(d) D.V.C.	1	921.500	7.7	0.0	4183.774	10.2	1.2
(e) Municipalities	44	271.142	2.3	85.2	510.655	1.3	8.0@
<b>Sub-total:</b>	<b>83</b>	<b>10320.227</b>	<b>86.8</b>	<b>20.2</b>	<b>34653.644</b>	<b>84.1</b>	<b>13.0</b>

Table-3 (Concl.)

1	2	3	4	5	6	7	8
<b>2. Private Sector</b>							
(a) Companies	158*	1562.936	13.2	3.6	6540.993	15.9	14.6
<b>TOTAL:</b>	<b>241</b>	<b>11883.163</b>	<b>100.0</b>	<b>17.7</b>	<b>41194.637</b>	<b>100.0</b>	<b>13.2</b>

@ The addition of sets at Inderprastha Extension of DESU towards latter half of the year.

\* Includes Renukot.

\*\* Includes Sholapur, taken over in 1968-69 by Maharashtra State Electricity Board.

Table No. 4

Sl. No.	Name of the States Union Territory/ Power Corporation	SECTOR			TOTAL		
		No. of Under-takings	State Companies		No. of Under-takings	Ins-talled Plant Capacity (M. W.)	Energy Generated (Million kWh)
			Called up Capacity (W.)	Energy Generated (Million kWh)			
1	2	3	4	5	6	7	
<b>A. STATES</b>							
1.	Andhra Pradesh	1	-	-	3	640.835	1,949.563
2.	Assam	1	305	13.145	5	156.675	170.311
3.	Bihar	1	341	95.109	11	189.487	779.302
4.	Gujarat	1	885	1,196.860	39	664.842	2,888.699
5.	Haryana	1	104	-	3	456.212	1,402.527
6.	Jammu & Kashmir	-	-	-	1	32.578	118.130
7.	Kerala	1	-	-	6	528.600	1,406.556
8.	Madhya Pradesh	1	150	45.815	6	491.923	1,753.001
9.	Maharashtra	1	1,077	2,747.864	51	1,580.349	6,824.761
10.	Mysore	1	490	0.573	11	621.775	2,293.970
11.	Nagaland	-	-	-	1	1.570	1.600
12.	Orissa	1	-	-	2	438.955	1,030.941
13.	Punjab	1	-	-	4	620.736	2,227.058
14.	Rajasthan	1	390	16.147	6	387.074	890.880
15.	Tamil Nadu	1	1,000	-	15	1,470.500	5,175.281
16.	Uttar Pradesh	1	1,592	412.795	33	1,197.095	3,717.671
17.	West Bengal	1	402	2,008.475	28	1,208.880	3,859.825
<b>B. Damodar Valley Corporation</b>							
		-	-	-	1	921.500	4,183.774
<b>C. Union Territories:</b>							
	(a) Delhi	-	-	-	2	251.820	482.670
	(b) Andaman & Nicobar Islands.	-	-	-	1	1.658	2.684

Table No. 26

## ANALYSIS OF GENERATING SETS ACCORDING TO TYPE OF PRIME MOVERS AND OWNERSHIP

Type of Prime Mover	PUBLIC SECTOR										PRIVATE SECTOR		TOTAL		Percentage of total installed plant capacity
	State Electricity Boards		Government Departments		Government Undertakings		Power Corporation		Municipalities		Companies		No. of sets	Aggregate capacity (kW)	
	No. of sets	Aggregate capacity (kW)	No. of sets	Aggregate capacity (kW)	No. of sets	Aggregate capacity (kW)	No. of sets	Aggregate capacity (kW)	No. of sets	Aggregate capacity (kW)	No. of sets	Aggregate capacity (kW)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1. Steam Turbine</b>															
A.C. Generator	198	2,725,540	5	136,100	22	821,000	9	817,500	15	231,000	87	1,238,825	336	5,969,965	50.24
D.C. Generator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total:	198	2,725,540	5	136,100	22	821,000	9	817,500	15	231,000	87	1,238,825	336	5,969,965	50.24
<b>2. Reciprocating Steam Engines</b>															
A.C. Generator	5	3,775	-	-	-	-	-	-	-	-	6	1,400	11	5,175	0.04
D.C. Generator	-	-	-	-	-	-	-	-	-	-	3	270	3	270	-
Sub-Total:	5	3,775	-	-	-	-	-	-	-	-	9	1,670	14	5,445	0.04
<b>3. Gas Turbines</b>															
A.C. Generator	9	134,000	-	-	-	-	-	-	-	-	-	-	9	134,000	1.13
D.C. Generator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total:	9	134,000	-	-	-	-	-	-	-	-	-	-	9	134,000	1.13
<b>4. Diesel Engines</b>															
A.C. Generator	717	155,608*	142	18,640@	-	-	-	-	66	32,282	134	42,667	1059	249,197	2.10
D.C. Generator	15	2,078	3	345	-	-	-	-	-	-	20	2,264	38	4,687	0.04
Sub-Total:	732	157,686*	145	18,985@	-	-	-	-	66	32,282	154	44,931	1097	253,884	2.14



Table No. 26(Concl'd)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>5. Water Turbines</b>															
A.C. Generator	199	4,211,077	66	886,469	-	-	6	104,000	21	7,860	24	277,510	316	5,486,916	46.17
D.C. Generator	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total:	199	4,211,077	66	886,469	-	-	6	104,000	21	7,860	24	277,510	316	5,486,916	46.17
<b>6. Total</b>															
A.C. Generators	1128	7,230,000*	213	1,041,209@	22	821,000	15	921,500	102	271,142	251	1,560,402	1731	11,845,253	99.63
D.C. Generators	15	2,078	3	345	-	-	-	-	-	-	23	2,534	41	4,957	0.04
Grand Total:	1143	7,232,078	216	1,041,554	22	821,000	15	921,500	102	271,142	274	1,562,936	1772	11,850,210	

Diesel A.C. capacity of Punjab SEB, U.P. SEB & NEFA for which set wise & station wise details are not available:

All India: 32.953  
11,883.163

\* This does not include details of diesel capacity of Punjab S.E.B. amounting to 6,073 kW and Uttar Pradesh S.E.B. Diesel capacity 25380 kW (only A.C.) for want of details.

@ 1500 kW of Diesel capacity in NEFA not included due to non receipt of details.

Table No. 27

## CLASSIFICATION OF STEAM POWER PLANT ACCORDING TO THE SIZE OF THE SETS

Size of Generating sets	PUBLIC SECTOR										PRIVATE SECTOR		TOTAL		Percentage of total steam plant
	State Electricity Boards		Government Department		Government Undertaking		Power Corporation		Municipalities		Companies		Number of sets	Aggregate Plant Capacity (kW)	
	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)			
<b>1. A.C. Plant</b>															
Under 1,000 kW	23	18,350	2	1,100	-	-	-	-	-	-	8	2,900	33	22,350	0.374
1,001 to 2,000 kW	23	37,540	-	-	-	-	-	-	3	5,500	17	24,825	43	67,865	1.136
2,001 to 5,000 kW	79	304,425	-	-	-	-	-	-	3	10,500	23	94,500	105	409,425	6.852
5,001 to 10,000 kW	18	154,750	1	10,000	4	40,000	-	-	5	38,400	13	95,500	41	338,650	5.667
10,001 to 15,000 kW	20	287,500	-	-	2	24,000	-	-	1	15,000	12	172,500	35	499,000	8.351
15,001 to 20,000 kW	1	18,750	-	-	4	72,000	-	-	-	-	4	80,000	9	170,750	2.857
20,001 to 30,000 kW	14	420,000	-	-	2	60,000	-	-	-	-	9	270,000	25	750,000	12.551
30,001 to 50,000 kW	9	414,000	-	-	6	300,000	-	-	1	36,600	2	100,000	18	850,600	14.235
Over 50,000 kW	16	1,074,000	2	125,000	4	325,000	9	817,500	2	125,000	5	400,000	38	2,866,500	47.972
Sub Total:	203	2,729,315	5	136,100	22	821,000	9	817,500	15	231,000	93	1240,225	347	5,975,140	99.995
<b>2. D.C. Plant</b>															
201 to 300	-	-	-	-	-	-	-	-	-	-	-	270	3	270	0.005
Total:	203	2,729,315	5	136,100	22	821,000	9	817,500	15	231,000	96	1240,495	350	5,975,410	100.000

Table No. 28

## CLASSIFICATION OF GAS TURBINE AND DIESEL POWER PLANT ACCORDING TO THE SIZE OF THE SETS (OWNERSHIP-WISE)

Size of the generating sets	PUBLIC SECTOR										PRIVATE SECTOR		TOTAL		Percentage of total plant capacity
	State Electricity Boards		Government Departments		Government Undertakings		Power Corporation		Municipalities		Companies		No. of sets	Aggregate Capacity(kW)	
	No. of sets	Aggregate Capacity(kW)	No. of sets	Aggregate Capacity(kW)	No. of sets	Aggregate Capacity(kW)	No. of sets	Aggregate Capacity(kW)	No. of sets	Aggregate Capacity(kW)	No. of sets	Aggregate Capacity(kW)			
<b>GAS TURBINE PLANT</b>															
1. A.C. Plant															
Upto 10,000 kW	4	40,000	-	-	-	-	-	-	-	-	-	-	4	40,000	9.505
Above 10,000 kW	5	94,000	-	-	-	-	-	-	-	-	-	-	5	94,000	22.336
2. D.C. Plant															
Sub-Total:	9	134,000	-	-	-	-	-	-	-	-	-	-	9	134,000	31.841
<b>DIESEL POWER PLANT</b>															
1. A.C. Plant															
Upto 500 kW	632	83,594	138	11,540	-	-	-	-	45	7,782	109	22,130	924	125,046	29.714
501 to 1000 kW	69	51,542	3	2,100	-	-	-	-	6	3,680	18	12,649	96	69,971	16.627
1001 to 2,000 kW	16	20,472	-	-	-	-	-	-	10	10,120	7	7,888	33	33,480	9.144
2001 to 5,000 kW	-	-	1	5,000	-	-	-	-	5	10,700	-	-	6	15,700	3.730
Sub-Total:	717	155,608	142	18,640	-	-	-	-	66	32,282	134	42,667	1059	249,197	59.215
2. D.C. Plant															
Upto 200 kW	12	972	3	345	-	-	-	-	-	-	16	1,395	31	2,712	0.645
201 to 500 kW	3	1,106	-	-	-	-	-	-	-	-	4	869	7	1,975	0.469
501 to 1000 kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1001 to 2000 kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2001 to 5,000 kW	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sub-Total:	15	2,078	3	345	-	-	-	-	-	-	20	2,264	38	4,687	1.114
<b>TOTAL:</b>	<b>741</b>	<b>291,686</b>	<b>145</b>	<b>18,985</b>	-	-	-	-	<b>66</b>	<b>32,282</b>	<b>154</b>	<b>44,931</b>	<b>1106</b>	<b>387,884</b>	
													Diesel A.C. capacity for which set-wise details are not available:		32,953
													All India:		420,837

Table No. 29

## CLASSIFICATION OF HYDRO POWER PLANT ACCORDING TO THE SIZE OF THE SETS

Size of the generating sets	PUBLIC SECTOR										PRIVATE SECTOR		TOTAL		Percentage of total steam plant
	State Electricity Boards		Government Departments		Government Undertakings		Power Corporation		Municipalities		No. of sets	Aggregate Plant Capacity	No. of sets	Aggregate Plant Capacity (kW)	
	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)	No. of sets	Aggregate Plant Capacity (kW)					
<b>1. A.C. Plant</b>															
Under 1,000 kW	31	7,577	26	4,619	-	-	-	-	21	7,860	6	1,510	84	21,566	0.39
1,001 to 2,000 kW	8	10,800	3	6,000	-	-	2	4,000	-	-	-	-	13	20,300	0.38
2,001 to 5,000 kW	20	69,200	6	24,000	-	-	-	-	-	-	-	-	26	93,200	1.70
5,001 to 10,000 kW	39	315,100	10	86,700	-	-	-	-	-	-	-	-	49	401,800	7.32
10,001 to 15,001 kW	29	368,900	2	24,000	-	-	-	-	-	-	12	144,000	43	536,900	9.78
15,001 to 20,000 kW	12	222,000	3	51,000	-	-	3	60,000	-	-	-	-	18	333,000	6.06
20,001 to 30,000 kW	12	299,500	8	183,750	-	-	-	-	-	-	6	132,000	26	615,250	11.22
30,001 to 50,000 kW	27	1,208,000	4	150,000	-	-	1	40,000	-	-	-	-	32	1,398,000	25.48
Over 50,000 kW	21	1,710,000	4	356,400	-	-	-	-	-	-	-	-	25	2,066,400	37.67
Sub-Total:	199	4,211,077	66	886,469	-	-	6	104,000	21	7,860	24	277,510	316	5,486,916	100.00
<b>2. D.C. Plant</b>															
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
<b>TOTAL:</b>	199	4,211,077	66	886,469	-	-	6	104,000	21	7,860	24	277,510	316	5,486,916	100.00

Table No. 30

## CLASSIFICATION OF GENERATING SETS ACCORDING TO VOLTAGE OF GENERATION

Sl. No.	No. of phases	Voltage of Generation	Type of Plant	PUBLIC SECTOR										PRIVATE SECTOR		TOTAL		
				State Electricity Board		Government Departments		Government Undertakings		Power Corporation		Municipalities		Companies		No. of sets	Aggregate Capacity (kW)	
				No. of sets	Aggregate Capacity (kW)	No. of sets	Aggregate Capacity (kW)	No. of sets	Aggregate Capacity (kW)	No. of sets	Aggregate Capacity (kW)	No. of sets	Aggregate Capacity (kW)	No. of sets	Aggregate Capacity (kW)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	
<b>ALTERNATING CURRENT</b>																		
1	3	33 kV	S	-	-	-	-	-	-	-	-	-	-	-	10	330,000	S 10	330,000
			H	-	-	-	-	-	-	-	-	-	-	-	-	-	H -	-
2	3	10.5 to 13.8 kV	S	101	2,298,725	3	135,000	14	697,000	9	817,500	6	194,600	26	647,500	S 159	4790,325	
			G	9	134,000	-	-	-	-	-	-	-	-	-	-	G 9	134,000	
			H	158	4,134,400	34	857,850	-	-	6	104,000	-	-	-	-	H 198	5096,250	
3	3	6 to 6.6 kV	S	53	293,170	-	-	8	124,000	-	-	9	36,400	22	192,000	S 92	645,570	
			H	6	6,000	8	25,000	-	-	-	-	2	1,000	-	-	H 16	32,000	
4	3	5 to 5.5 kV	S	2	27,500	-	-	-	-	-	-	-	-	-	-	S 2	27,500	
			H	-	-	-	-	-	-	-	-	-	-	18	276,000	H 18	276,000	
5	3	3 to 3.9 kV	S	39	98,020	-	-	-	-	-	-	-	-	35	70,725	S 74	166,745	
			H	6	9,248	-	-	-	-	-	-	7	2,110	2	960	H 15	12,313	
6	3	2 to 2.3 kV	S	2	3,000	-	-	-	-	-	-	-	-	-	-	S 2	3,000	
			H	16	60,224	-	-	-	-	-	-	5	1,750	4	550	H 25	62,524	
7	3	400 to 460 V	S	6	8,900	2	1,100	-	-	-	-	-	-	-	-	S 3	10,000	
			H	13	1,205	24	3,619	-	-	-	-	7	3,000	-	-	H 44	7,824	
8	1	230 Volts	S	-	-	-	-	-	-	-	-	-	-	-	-	S -	-	
			H	-	-	-	-	-	-	-	-	-	-	-	-	H -	-	
<b>DIRECT CURRENT</b>																		
9	3	Wire 400 to 500 V	S	-	-	-	-	-	-	-	-	-	-	3	270	S 3	270	
			H	-	-	-	-	-	-	-	-	-	-	-	-	H -	-	
10	2	Wire 220 V	S	-	-	-	-	-	-	-	-	-	-	-	-	S -	-	
			H	-	-	-	-	-	-	-	-	-	-	-	-	H -	-	

Table No. 30 (Concl.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18		
<b>DIESEL ALTERNATING CURRENT</b>																			
11	3	6.6 kV & above		18	18,613	1	1,000	-	-	-	-	15	20,820	8	7,320	D	42	47,753	
12	3	Below 6.6 kV		700	137,995@	141	17,640@	-	-	-	-	51	11,462	126	35,347	D	1018	202,444	
<b>DIRECT CURRENT</b>																			
				15	2,078	3	345	-	-	-	-	-	-	20	2,264	D	38	4,687	
<b>Sub Total:</b>				S	203	2,729,315	5	136,100	22	821,000	9	817,500	15	231,000	96	1,240,495	S	350	5,975,410
				G	9	134,000	-	-	-	-	-	-	-	-	-	G	9	134,000	
				D	733	158,686	145	18,985	-	-	-	-	66	32,282	154	44,931	D	1098	254,884
				H	199	4,211,077	66	886,469	-	-	6	104,000	21	7,860	24	277,510	H	316	5,486,916
<b>TOTAL:</b>					1144	7,233,078	216	1,041,554	22	821,000	15	921,500	102	271,142	274	1,562,936		1773	11,851,210

Capacity of Sets where voltage is not known(These are all diesel)\*

31,953

All India:

11883.163

LEGENDS: S = Steam G=Gas D = Diesel H = Hydro

\* Excluding one No: 1000 kW diesel set at Jullunder (Pb)

Table No. 31

## FUEL CONSUMPTION

Sl. No.	State/Union Territory	STEAM POWER STATIONS					GAS TURBINE & DIESEL POWER STATIONS			
		Coal (Tonnes)	Furnace Oil (K.L.)	Natural & other gaseous fuel Cub. metres/metric tons	Heat Input (k.cal 9 x 10)	Generation (Million kWh)	Average Heat Input in (k.cal/kWh. 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
A.	1. Andhra Pradesh	753,612	26,432	-	3728.918	1090.315	3420	397 1/	0.663	0.60
	2. Assam	-	-	-	-	-	-	2/ 9780*	89.702 3/	0.37
	3. Bihar	503,995	27,107	-	2901.046	759.925	3818	7100	19.377	0.37
	4. Gujarat	1083,782	294,241	133.850 (Mil. cu. Met)	10794.974	2861.593	3772	9394	27.106	0.35
	5. Haryana	16,422	-	-	91.422	24.570	3721	290	0.640	0.45
	6. Jammu & Kashmir	-	-	-	-	-	-	2040*	5.100	0.40
	7. Kerala	-	-	-	-	-	-	Neg.	0.001	-
	8. Madhya Pradesh	1511,621	8,311	-	6909.591	1722.826	4010	2168	4.286	0.51
	9. Maharashtra	1230,754	370,362	24,811 (Metric Tons)	10036.249	2769.671	3624	13608	42.149	0.32
	10. Mysore	-	-	-	-	-	-	205	0.579	0.35
	11. Nagaland	-	-	-	-	-	-	1531	1.600	0.96
	12. Orissa	33,926*	409	-	173.380	55.848	3104	408	0.870	0.47
	13. Punjab	1,470	-	-	8.166	1.373	5948	106	0.279	0.38
	14. Rajasthan	134,144	3,571	-	850.433	98.472	8636	16410 4/	42.285 5/	0.39
	15. Tamil Nadu	2775,699 <sup>@</sup>	10,792	-	7381.104	2445.590	3018	-	-	-
	16. Uttar Pradesh	1717,021	10,133	-	9734.115	2095.037	4646	6/ 9413*	22.314 7/	0.42
	17. West Bengal	2486,300	40,932	5,225 (Million cu. Met)	14289.771	3811.355	3749	5265	15.127	0.35
B.	Union Territories									
	(a) Delhi	337,670	2,047	-	1940.687	513.965	3776	3023	10.177	0.29
	(b) Andaman & Nicobar	17,055**	-	-	21.319	1.543	13817	386*	1.141	0.34
	(c) Chandigarh	-	-	-	-	-	-	300*	0.941	0.32
	(d) Goa, Daman & Diu	-	-	-	-	-	-	2819	8.069	0.35

Table No. 31(Concl

1	2	3	4	5	6	7	8	9	10	11
(e) Dadra & Nagar Haveli		-	-	-	-	-	-	-	-	-
(f) Himachal Pradesh		-	-	-	-	-	-	24*	0.072	0.33
(g) Lacadive, Minicoy & Amindivi Islands		-	-	-	-	-	-	73	0.148	0.49
(h) Manipur		-	-	-	-	-	-	926	2.777	0.33
(i) NEFA		-	-	-	-	-	-	N.A.	N.A.	N.A.
(j) Pondicherry		-	-	-	-	-	-	-	-	-
(k) Tripura		-	-	-	-	-	-	2457	8.430	0.29
C. D.V.C.		2086.355	7,310	-	11036.379	3980.662	2772	-	-	-
Total All India:		14689,826	801,647	139.075	79897.554	22232.745	3594	88,123	303.833	0.37
				(Million cu. met)						
				Plus 24,811						
				Metric Tonnes						

- £ Includes H.S.D. & L.D.O. used by Steam Power Stations.  
\* Estimated.  
\*\* Wood Figure repeated due to non availability of data.  
@ Includes 2,462,579 tonnes of lignite.  
1/ Includes 169 K.L. of Diesel oil used by Gas turbine plant.  
2/ The Gas turbines at Naharkatiya consume gas. The figure represents, therefore, the diesel oil used by only the diesel engine stations.  
3/ Includes 63,300 Million kWh generated by the gas turbines at Naharkatiya.  
4/ Includes 1540 K.L. of Diesel oil used by Kota Gas Station.  
5/ Includes 2.547 Million kWh generated by Kota Gas Station.  
6/ Includes 5681 K.L. of diesel oil used by Murad Nagar Gas Station.  
7/ Includes 11.961 Million kWh generated by Murad Nagar Gas Station.



## UTILISATION OF ELECTRICITY GENERATED, PURCHASED, SOLD AND ENERGY LOSSES - ALL INDIA

Sl. No.	Item	Energy (Million kWh)	Percentage of item 3
1	2	3	4
1.	Energy generated	41,194.637	99.75
2.	Energy purchased from non-utilities	104.752	0.25
3.	Total (1+2)	41,299.389	100.00
4.	Energy used by power station Auxiliaries	2,075.120	5.02
5.	Energy sets out (i.e. available for supply) = (3 - 4)	39,224.269	94.98
6.	Energy sold to ultimate consumers	32,736.872	79.27
7.	Energy lost in transformation transmission and distribution and unaccounted for (5 - 6)	6,487.397	15.71 (16.5% item 5)

Table No. 33

STATEWISE ENERGY GENERATION @, PURCHASE BY UTILITIES AND UTILISATION  
(EXCLUDING UTILISATION OUT OF SELF-GENERATION OF NON-UTILITIES)

Sl. No.	State/Power Corporation	Energy Generated <sup>@</sup> (Million kWh)	Energy Transferred (Million kWh)		Energy used by Power Station Auxiliaries	Energy Available for Supply col. 3+4+5-6	Energy Transferred/Sold (Million kWh)			Transformation, Transmission & Distribution losses and Energy Un-accounted for	
			From Non-electric Utilities	From Public Utilities in the Adjoining States			To Adjoining States	To Consumers within the States	Total (8+9)	Million kWh.	As percentage of co. 7
1	2	3	4	5	6	7	8	9	10	11	12
1.	Andhra Pradesh	2184.391	-	14.900	106.040	2098.251	231.551	1334.300	1565.851	527.400	25.2
2.	Assam	170.311	-	-	8.293	162.018	0.700	119.917	120.617	41.401	25.6
3.	Bihar	779.302	3.048	1195.291	76.160	1901.481	127.387	1424.477	1551.864	349.617	18.4
4.	Gujarat	2888.699	44.547	-	218.845	2714.401	1.188	2328.907	2330.095	384.306	14.2
5.	Haryana	25.210	-	624.506	3.517	646.199	7.220	531.549	538.769	107.430	16.6
6.	Jammu & Kashmir	118.130	-	56.577	1.380	173.327	-	131.830	131.830	41.497	23.9
7.	Kerala	1406.556	-	31.577	17.059	1421.074	7.676	1188.257	1195.933	225.141	15.8
8.	Madhya Pradesh	1903.586	4.602	50.723	146.986	1811.925	156.058	**1418.788	1574.846	237.079	13.1
9.	Maharashtra	6824.761	-	-	252.318	6572.443	35.755	5764.519	5800.274	772.169	11.7
10.	Mysore	2232.182	-	56.951	8.601	2280.532	225.828	1677.161	1902.989	377.543	16.6
11.	Nagaland	1.600	-	0.700	0.028	2.272	-	2.100	2.100	0.172	7.6
12.	Orissa	857.901	48.879	243.620	15.264	1135.136	2.312	1021.863	1024.175	110.961	9.8
13.	Punjab	4162.441	-	-	4.824	4157.617	1568.528	2134.281	3702.809	454.808	10.9
14.	Rajasthan	140.757	-	460.187	12.082	588.862	-	**407.611	4007.611	181.251	30.7
15.	Tamil Nadu	5175.281	-	168.332	278.310	5065.303	96.176	4045.409	4141.585	923.718	18.2
16.	Uttar Pradesh	3717.671	-	479.605	186.732	4010.544	57.884	3146.084	3203.968	806.576	20.1
17.	West Bengal	3859.825	-	901.584	307.615	1453.794	87.930	3850.616	3938.546	515.243	11.6
18.	D. V. C.	4183.774	3.676	146.774	373.743	3960.481	*2509.452	1206.002	3715.454	245.027	6.2
Union Territories:											
	(a) Delhi	524.142	-	464.972	56.108	933.006	24.095	763.747	287.842	145.164	15.6
	(b) Andaman & Nicobar Islands.	2.684	-	-	0.261	1.423	-	2.036	2.036	0.387	16.0

Table No. 33(

1	2	3	4	5	6	7	8	9	10	11	12
(c) Chandigarh		0.941	-	56.000	0.047	56.894	-	50.000	50.000	6.894	12.
(d) Goa, Daman & Diu		8.068	-	46.167	0.300	53.936	-	48.387	48.387	5.549	10.
(e) Dadra & Nagar Haveli		-	-	0.371	-	0.371	-	0.335	0.336	0.036	9.
(f) Himachal Pradesh		13.296	-	68.670	0.255	81.711	-	64.156	64.156	17.555	21.
(g) Lacadive, Minicoy, Amindive Islands.		0.148	-	-	0.006	0.142	-	0.129	0.129	0.013	9.
(h) Manipur		4.549	-	-	0.220	4.329	-	3.064	3.064	1.265	29.
(i) N. E. F. A.			DATA		NOT		AVAILABLE				
(j) Pondicherry		-	-	72.686	-	72.686	-	63.708	63.708	3.978	12.
(k) Tripura		8.430	-	-	0.126	8.304	-	7.639	7.639	0.665	8.
<b>Total:</b>		<b>41194.637</b>	<b>104.752</b>		<b>2075.120</b>	<b>39224.269</b>		<b>32736.872</b>		<b>6487.000</b>	<b>16.</b>

@ By taking the total generation of jointly owned projects against the State utilising the maximum of their energy.

\* Energy supplied to States & Licensees.

\*\* Madhya Pradesh's figure excludes & Rajasthan figure includes 34 million kWh energy supplied by M. P. Board to the bordering areas of Rajasthan.

Table No. 34

**ENERGY GENERATION<sup>1</sup> PURCHASE AND UTILISATION BY THE STATE ELECTRICITY  
BOARDS/ELECTRICITY DEPARTMENT OF UT'S, J & K AND NAGALAND/D.V.C.**

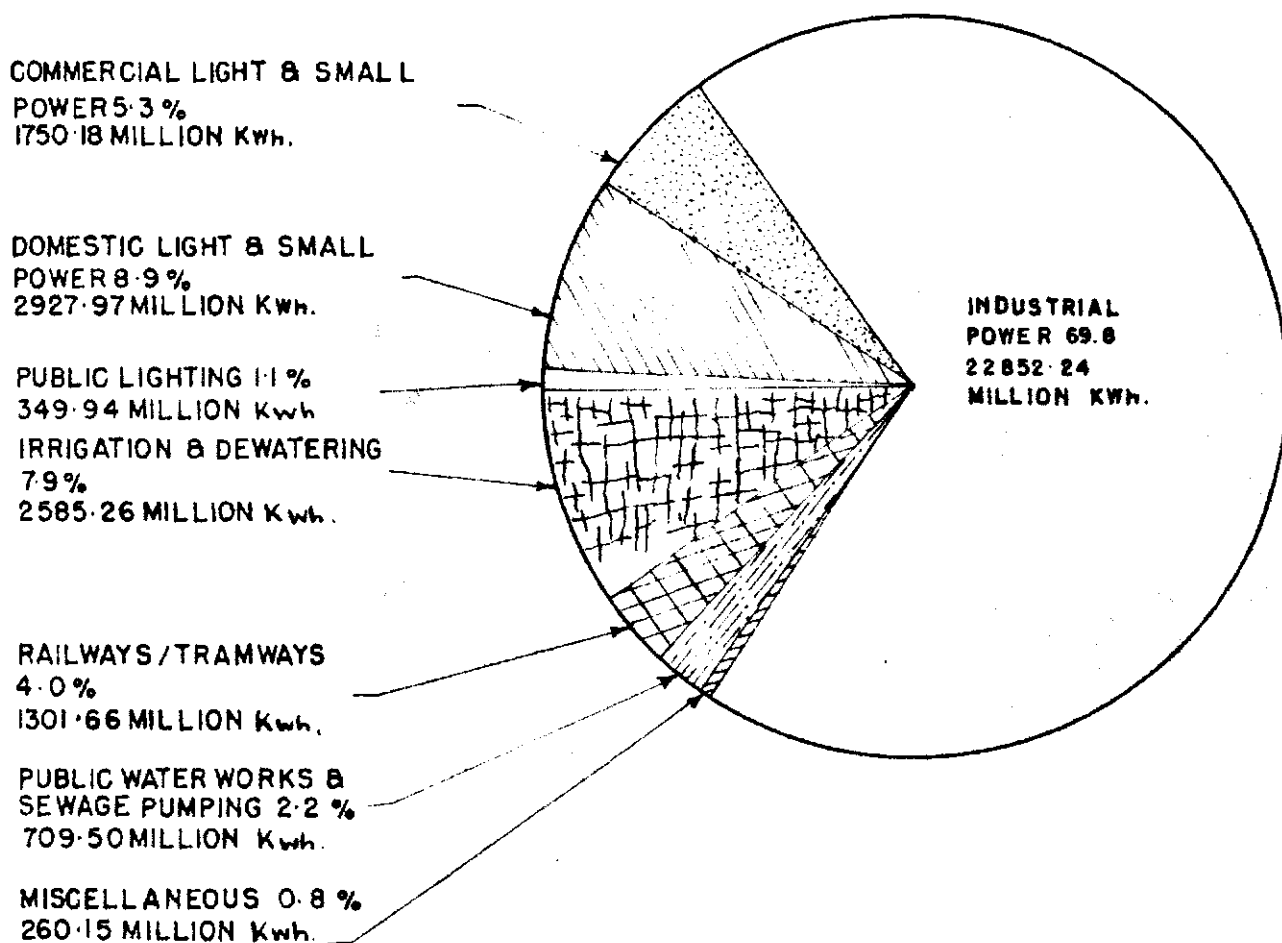
Sl. No.	Name of the State Electricity Board/ Department	Energy Generated Boards/ UT'S (Million kWh)	Energy Purchased/Received (Million kWh)			Energy used by Power Station Auxiliaries (Million kWh)	Energy Available for Supply (Col. 3+4+5+6 (-) Col. 7) (Million kWh)	Energy sold/transferred (Million kWh)				Energy list in Transformation Transmission & Distribution and Un-accounted for	
			From non-electric Utilities	Licensees Government Undertakings/Govt. Departments	Adjoining States			To Licensees	To adjoining States	To Consumers of Board/ UT	Total Col. (9+10+11)	Million kWh (6 - 12)	Percentage of Col. 8
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1.	Andhra Pradesh	1298.648	-	604.252	14.900	102.840	1814.960	-	-	1334.300	1334.300	430.660	26.5
2.	Assam	157.166	-	-	-	7.809	149.357	7.130	-	104.740	111.870	37.487	25.1
3.	Bihar	684.193	3.048	7.205	1055.557	68.999	1681.004	110.275	127.388	1117.111	1354.774	326.230	19.4
4.	Gujarat	1691.022	44.547	98.532	-	149.385	1684.716	259.865	1.188	1142.985	1404.038	280.678	16.7
5.	Haryana	25.210	-	-	624.506	3.517	646.199	13.530	8.220	518.650	540.400	195.799	16.4
6.	Jammu & Kashmir (Deptt)	118.130	-	-	56.577	1.180	173.527	-	-	131.830	131.830	41.697	24.8
7.	Kerala	1406.556	-	-	31.577	17.059	1421.074	73.981	5.133	1123.521	1207.635	213.439	15.0
8.	Madhya Pradesh	1857.771	4.602	-	50.723	143.164	1769.932	21.347	156.058	1365.224	1542.629	227.303	12.9
9.	Maharashtra	3715.967	-	358.930	-	96.333	3978.564	1993.268	35.755	1400.744	3429.767	546.797	13.8
10.	Mysore	1062.295	-	1202.695	-	4.658	2260.332	29.409	225.828	1653.008	1908.245	352.087	15.6
11.	Nagaland (Deptt.)	1.600	-	-	0.700	-	2.300	-	-	2.100	2.100	0.200	8.7
12.	Orissa	805.591	48.879	52.310	243.620	15.553	1134.847	-	2.312	1021.863	1024.175	110.672	9.35
13.	Punjab	4162.441	-	-	-	4.824	4157.617	78.648	1568.528	2075.893	3723.068	434.549	10.35
14.	Rajasthan	124.610	-	-	460.187	11.572	573.225	37.993	-	379.615	417.608	155.617	27.1
15.	Tamil Nadu	3104.565	-	1585.446	168.332	47.103	4811.240	421.207	96.176	3447.469	3964.852	846.388	17.6
16.	Uttar Pradesh	3294.371	-	15.103	479.585	151.949	3637.110	259.427	57.884	2595.592	2912.903	724.207	19.9
17.	West Bengal	1027.055	-	421.480	59.679	95.117	1413.097	N.A.	N.A.	2/ 1225.031	1225.031	188.066	13.3
18.	D.V.C.	4183.774	3.676	-	146.774	373.743	3960.481	981.192	1555.136	1179.126	3715.454	245.027	6.2

Table No. 34 (Concl.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14
<b>Union Territories</b>													
(a) Delhi (DESU)		524.142	-	-	464.972	56.137	932.977	189.820	24.095	587.375	801.290	131.687	14.1
(b) Andaman & Nicobar		2.684	-	-	-	0.261	2.423	-	-	2.036	2.036	0.387	15.97
(c) Chandigarh		-	-	-	56.000	-	56.000	-	-	50.000	50.000	6.000	11.0
(d) Goa Daman & Diu		3.858	-	-	46.167	0.120	49.905	-	-	44.302	44.302	5.603	11.2
(e) Dadra & Nagar Haveli		-	-	-	00.371	-	0.371	-	-	0.335	0.335	0.036	9.7
(f) Himachal Pradesh		3.700	-	-	68.670	-	72.370	15.900	-	45.100	61.000	11.370	15.5
(g) Laccadive Minicoy & Amindive Islands		0.148	-	-	-	0.006	0.142	-	-	0.129	0.129	0.013	9.2
(h) Manipur		4.549	-	-	-	0.220	4.329	-	-	3.064	3.064	1.265	29.2
(i) N.E.F.A.		-	-	-	DATA	NOT	AVAILABLE	-	-	-	-	-	-
(j) Pondicherry		-	-	-	68.108	-	68.108	-	-	59.636	59.636	0.472	12.4
(k) Tripura		8.430	-	-	-	0.126	8.304	-	-	7.639	7.639	0.665	8.0
<b>TOTAL:</b>		<b>29,268.476</b>	<b>104.752</b>	<b>4345.953</b>		<b>1351.875</b>	<b>36464.511</b>	<b>4492.992</b>		<b>22,623.417</b>	<b>30,980.110</b>	<b>5,481.401</b>	<b>15.04</b>

✓ For the purpose of this table, the energy generated by jointly owned power houses has been taken in that state which utilise the largest amount of power out of the partners.

ENERGY SALES IN 1967-68



TOTAL SALES DURING THE YEAR  
32736.87 MILLION KWh.

## ENERGY SALES (CATEGORYWISE)

Sl. No.	Category	Energy sold in 1967-68 (Million kWh)	Percentage to total sales	Energy sold in 1966-67 (Million kWh)	Percentage increase over 1966-67 sales
1.	Domestic light and small power	2927.966	8.9	2626.727	11.5
2.	Commercial light and small power	1750.176	5.3	1819.649 <sup>@</sup>	*
3.	Industrial power	22852.237	69.8	20390.802	12.1
4.	Public lighting	349.936	1.1	308.030	13.6
5.	Railways/Tramways	1301.656	4.0	1180.213	10.3
6.	Agricultural	2585.256	7.9	2106.483	22.7
7.	Public Water Works & Sewage Pumping	709.499	2.2	695.732	2.0
8.	Miscellaneous	260.146 <sup>**</sup>	0.8	@	*
TOTAL:		32,736.872	100.0	29,127.636	12.4

\* Cannot be compared to previous year.

\*\* Includes 50 Million kWh of Chandigarh also which is estimated due to non-availability of data.

@ Miscellaneous included in Commercial.

Table No. 36

## STATEWISE ENERGY SALES BY UTILITIES TO ULTIMATE CONSUMERS

Name of the State/Union Territory	(Million kWh)									
	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at Low & Medium Voltage	Industrial Power at high voltage	Public Lighting	Railways/ Tramways	Agricultural	Public Water Works and Sewage Pumping	*Miscellaneous
2	3	4	5	6	7	8	9	10	11	12
Andhra Pradesh	1334.300	106.000	96.400	100.200	757.700	22.800	-	246.600	-	4.600
Assam	1119.917	43.157	13.711	12.656	33.840	3.707	-	9.910	2.900	0.026
Bihar	2195.397	71.298	82.498	126.427	1459.927	4.905	349.997	61.050	31.803	7.492
Gujarat	2328.907	172.970	62.805	267.210	1495.777	27.672	-	221.530	68.694	12.249
Karnataka	531.549	36.609	35.150	90.832	254.545	3.305	-	110.592**	-	0.416
Jammu & Kashmir	131.830	56.220	10.000	33.200	13.370	0.940	-	4.390	12.780	0.930
Kerala	1188.257	70.842	49.265	108.110	905.357	14.059	-	36.768	3.856	-
Madhya Pradesh	1418.788	117.206	71.762	115.843	1030.295	16.638	-	21.045	45.750	0.249
Maharashtra	5764.519	536.729	428.196	538.798	3341.259	60.699	552.564	154.947	100.760	50.567
Mysore	1677.161	168.218	31.041	157.653	1098.130	38.977	-	90.139	93.003	-
Nagaland	2.100	1.470	0.410	0.099	-	0.106	-	-	0.015	-
Nizamia	1021.863	25.395	27.442	37.420	878.622	4.313	21.050	3.325	3.958	20.338
Punjab	2134.281	96.275	62.367	225.970	1588.111	7.386	-	143.631**	**	10.541
Rajasthan	407.611	47.609	41.086	64.584	172.272	8.682	-	37.674	35.568	0.136
Tamil Nadu	4045.409	257.077	263.299	279.510	2014.213	58.119	32.188	1052.499	30.079	58.425
Uttar Pradesh	3146.084	282.921	98.877	413.869	1783.469	22.229	89.840	354.324	80.106	20.449
West Bengal	4285.698	574.630	210.903	252.486	2827.839	32.344	256.017	10.747	118.153	2.579
<b>IN TERRITORIES</b>										
1) Delhi	763.747	231.404	148.156	137.365	151.728	19.069	-	5.645	70.380	-
2) Andaman	2.036 <sup>v</sup>	1.043	0.159	0.524	-	0.087	-	-	0.223	-
3) Chandigarh	50.000*	-	-	-	-	-	-	-	-	-
4) Dadra & Nagar Haveli	0.335	0.101	-	0.161	-	0.042	-	0.031	-	-
5) Goa, Daman & Diu	48.387	2.872	6.215	2.099	33.910	0.783	-	0.026	2.482	-
6) Himachal Pradesh	64.156	18.681	6.761	1.497	6.780	1.063	-	0.168	8.057	21.149



Table No. 36 (Contd.)

1	2	3	4	5	6	7	8	9	10	11	12
(g) Lacadive & Minicoy Islands		0.129	0.071	0.028	0.004	-	0.026	-	-	-	-
(h) Manipur		3.064	2.473	.057	0.423	-	0.103	-	-	0.008	-
(i) N. E. F. A.							NOT AVAILABLE				
(j) Pondicherry		63.708	3.395	3.560	3.732	31.688	0.831	-	20.128	0.374	-
(k) Tripura		7.639	3.300	0.028	2.623	-	1.051	-	0.087	0.550	-
All India		32,736.872	2927.966 <sup>@</sup>	1750.176 <sup>@</sup>	2973.305 <sup>@</sup>	19878.932 <sup>@</sup>	349.936 <sup>@</sup>	1301.656 <sup>@</sup>	2585.256 <sup>@</sup>	709.499 <sup>@</sup>	210.146 <sup>@</sup>

\* Rough estimate due to data not available.

\*\* The figures for sale to Public Water Works and Sewage Pumping is included in Agricultural sale.

@ Exclude Chandigarh where break-up of sales cannot be estimated, but for which total sales have been estimated.

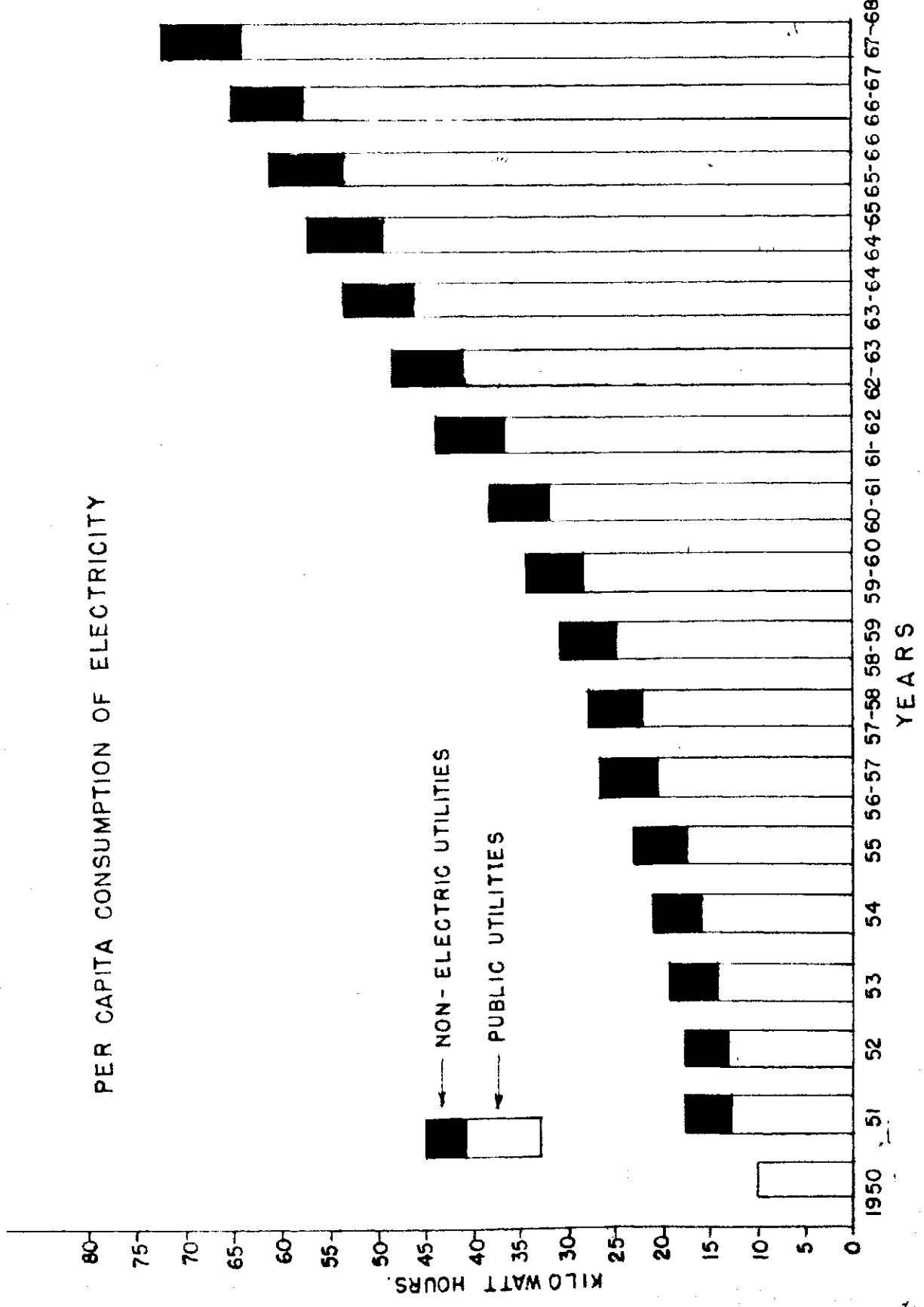
Table No. 37

## ENERGY SALES BY THE STATE ELECTRICITY BOARDS (MILLION kWh)

Sl. No.	Name of State	Total sold to Ultimate Consumers (i. e. , excluding inter-state & licensees etc.)	Domestic Power	Commercial Power	Industrial Power at low and Medium Voltage	Industrial Power at High Voltage	Public Lighting	Railways/ Tramways	Agricultural	Public Water Works & Sewage Pumping	Miscellaneous
1.	Andhra Pradesh	1334.300	106.000	96.400	100.200	757.700	22.800	-	246.600	-	4.600
2.	Assam	104.740	38.280	7.450	9.430	33.840	2.990	-	9.910	2.840	-
3.	Bihar	1117.111	34.837	41.274	104.475	652.836	2.696	199.566	60.409	21.018	-
4.	Gujarat	1142.985	71.851	18.735	124.524	684.660	14.341	-	208.252	20.622	-
5.	Haryana	518.650	35.880	24.287	89.656	254.645	3.227	-	110.542@	-	0.413
6.	Kerala	1128.551	52.650	46.398	97.977	878.837	12.172	-	36.737	3.750	-
7.	Madhya Pradesh	1365.224	117.540	54.693	105.560	007.813	15.176	-	20.911	43.531	-
8.	Maharashtra	1400.744	116.122	79.696	116.324	773.502	34.335	-	152.304	77.894	50.567
9.	Mysore	1653.008	160.326	26.674	147.001	098.001	38.001	-	90.002	93.003	-
10.	Orissa	1021.863	25.395	27.442	37.420	878.622	4.313	21.050	3.325	3.958	20.338
11.	Punjab	2075.892	79.520	51.740	204.070	536.003	5.590	-	138.780@	-	10.189
12.	Rajasthan	379.615	37.218	37.535	59.021	169.593	7.410	-	36.864	31.974	-
13.	Tamil Nadu	3447.469	178.678	208.667	200.433	696.817	38.617	32.188	1009.503	24.141	58.426
14.	Uttar Pradesh	2595.592	191.284	57.022	315.082	510.928	12.577	89.840	348.307	50.630	19.922
15.	West Bengal	777.116	27.190	27.895	43.300	514.083	2.225	147.092	10.716	4.615	-
TOTAL:		20062.830	1272.771	805.908	1754.473	497.880	216.470	489.736	2483.162	377.976	164.454

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### PER CAPITA CONSUMPTION OF ELECTRICITY



YEARS  
1950 51 52 53 54 55 56-57 57-58 58-59 59-60 60-61 61-62 62-63 63-64 64-65 65-66 66-67 67-68

KILOWATT HOURS

ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY (UTILITIES & NON-UTILITIES)

Table No. 38

Sl. No.	State	Population (Millions) (Mid-financial year) (Estimated)	UTILITIES					* From self-generation of non-utilities		Total
			Domestic	Commercial	Industrial Including Public Water Works Sewage Pumping Railways/Trains & Miscellaneous	Public Lighting	Agricultural (Pumping)	Total		
1	2	3	4	5	6	7	8	9	10	11
1.	Andhra Pradesh	40.92	2.58	2.35	21.08	0.56	6.03	32.60	3.89	36.5
2.	Assam	14.40	3.00	0.95	3.43	0.26	0.69	8.33	2.63	11.0
3.	Bihar	54.10	1.32	1.52	36.52	0.09	1.13	40.58	18.22	58.8
4.	Gujarat	24.67	7.01	2.55	74.74	1.12	8.98	94.40	10.35	104.8
5.	Haryana	9.39	3.90	3.74	36.84	0.35	11.78	56.61	7.61	64.2
6.	Jammu & Kashmir	3.90	14.41	2.56	15.46	0.24	1.13	33.80	-	33.8
7.	Kerala	19.92	3.56	2.47	51.07	0.71	1.85	59.66	2.92	62.6
8.	Madhya Pradesh	38.10	2.63	1.43	31.29	0.44	0.55	36.34	8.34	44.7
9.	Maharashtra	46.78	11.47	9.15	97.99	1.30	3.31	123.22	2.99	126.2
10.	Mysore	27.49	6.12	1.13	49.06	1.42	3.28	61.01	2.10	63.1
11.	Nagaland	0.41	3.59	1.00	0.28	0.26	-	5.13	-	5.1
12.	Orissa	20.32	1.25	1.35	47.31	0.22	0.16	50.29	29.28	79.6
13.	Punjab	13.22	7.28	4.71	137.92	0.56	10.86	161.33	0.17	161.5
14.	Rajasthan	24.33	2.66	2.39	11.20	0.36	1.55	18.16	7.40	25.6
15.	Tamil Nadu	37.69	6.82	6.99	64.06	1.54	27.93	107.34	1.46	108.8
16.	Uttar Pradesh	85.42	3.31	1.16	27.95	0.26	4.15	36.83	1.39	38.2
17.	West Bengal	41.72	13.77	5.06	82.86	0.78	0.26	102.73	10.77	113.5
18.	UNION TERRITORIES									
(a)	Delhi	3.69	62.71	40.15	97.42	5.17	1.53	206.98	26.22	233.2
(b)	Andaman & Nicobar Islands	0.08	13.04	1.99	9.34	1.09	-	25.46	-	25.5
(c)	Chandigarh	0.18	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.
(d)	Dadra & Nagar Haveli	0.07	1.44	-	2.30	0.60	0.44	4.78	-	4.8
(e)	Goa, Daman & Diu	0.67	4.29	5.51	57.45	1.17	0.04	68.46	4.58	73.0

1.	2	3	4	5	6
(f) Himachal Pradesh		3.99	4.68	1.69	9.39
(g) Laccadive, Minicoy & Amendive Islands		0.03	2.37	0.93	0.13
(h) Manipur		1.03	2.40	0.08	0.41
(i) N.E.F.A.		0.38	N.A.	N.A.	N.A.
(j) Pondicherry		0.42	8.08	8.48	85.22
(k) Tripura		1.39	2.37	0.02	2.28
All-India:		514.72	5.69	3.40	48.75

\* Excluding sales of non-utilities gets reflected under utilities.

Table No. 38(Contd.)

7	8	9	10	11
0.27	0.04	16.07	-	16.1
0.87	-	4.30	-	4.3
0.10	-	2.97	-	3.0
N.A.	N.A.	N.A.	N.A.	N.A.
1.98	47.92	151.68	0.32	152.0
0.77	0.06	5.50	-	5.5
0.68	5.03	63.65	7.99	71.6

lities, which

Table No. 39

**INSTALLED PLANT CAPACITY AND ENERGY CONSUMPTION(67-68)**  
**UTILITIES ONLY PER SQUARE KILOMETER AND PER THOUSAND OF POPULATION**

Sl. No.	Name of State/ Union Territory	Population (Mid. Financial Year) (Million) (Estimated)	Area in thousand sq. kilometers	@ Installed Plant Capacity (MW)	@ Installed Capacity per 1,000 of Population	@ Installed Capacity per sq. kilometer (KW)	Total Energy Consumed (Million kWh)	Energy Consumed per 1,000 of Population (kWh)	Energy Consumed per sq. kilometer (kWh)
1	2	3	4	5		7	8	9	10
1.	Andhra Pradesh	40.92	275.28	640.83	5.66	2.33	1334.30	32,608	4,847
2.	Assam	14.40	121.97	156.68	0.88	1.29	119.92	8,328	982
3.	Bihar	54.10	174.04	760.99	4.07	4.37	2195.40	40,580	12,614
4.	Gujarat	24.67	187.11	664.84	4.95	3.55	2328.91	94,402	12,446
5.	Haryana	9.39	44.06	456.21	5.9	10.36	531.55	56,608	12,065
6.	Jammu & Kashmir	3.90	222.80	32.58	0.85	0.15	131.83	33,803	592
7.	Kerala	19.92	38.85	528.60	2.64	13.61	1188.26	59,651	30,582
8.	Madhya Pradesh	38.10	443.45	491.92	1.91	1.11	1384.58	36,341	3,122
9.	Maharashtra	46.78	307.45	1580.35	7.8	5.14	5764.52	123,226	18,750
10.	Mysore	27.49	192.20	621.77	3.2	3.23	1677.16	61,010	8,726
11.	Nagaland	0.41	16.49	1.57	0.33	0.09	2.10	5,122	127
12.	Orissa	20.32	155.82	438.96	6.0	2.82	1021.86	50,289	6,558
13.	Punjab	13.23	50.38	620.74	9.2	12.32	2134.28	161,321	42,367
14.	Rajasthan	24.33	342.27	387.07	1.71	1.13	441.82	18,160	1,191
15.	Tamil Nadu	37.69	130.36	1470.50	9.2	11.01	4045.41	107,334	31,031
16.	Uttar Pradesh	85.42	294.36	1197.10	11.1	4.07	3146.08	36,831	10,688
17.	West Bengal	41.72	87.62	1558.88	13.7	17.79	4285.70	102,725	48,914
<b>UNION TERRITORIES</b>									
(a)	Delhi	3.69	1.48	251.82	2.4	169.69	763.75	206,978	514,654
(b)	Andaman & Nicobar Islands	0.08	8.33	1.66	0.72	0.20	2.04	25,450	245
(c)	Chandigarh	0.18	0.11	2.48	0.78	21.57	N.A.	N.A.	N.A.
(d)	Goa, Daman & Diu	0.67	4.18	4.91	3.3	1.17	48.39	72,219	11,570
(e)	Dadra & Nagar Haveli	0.07	0.50	-	-	-	0.34	4,706	670
(f)	Himachal Pradesh	3.99	55.66	5.00	-	-	-	9	1,153

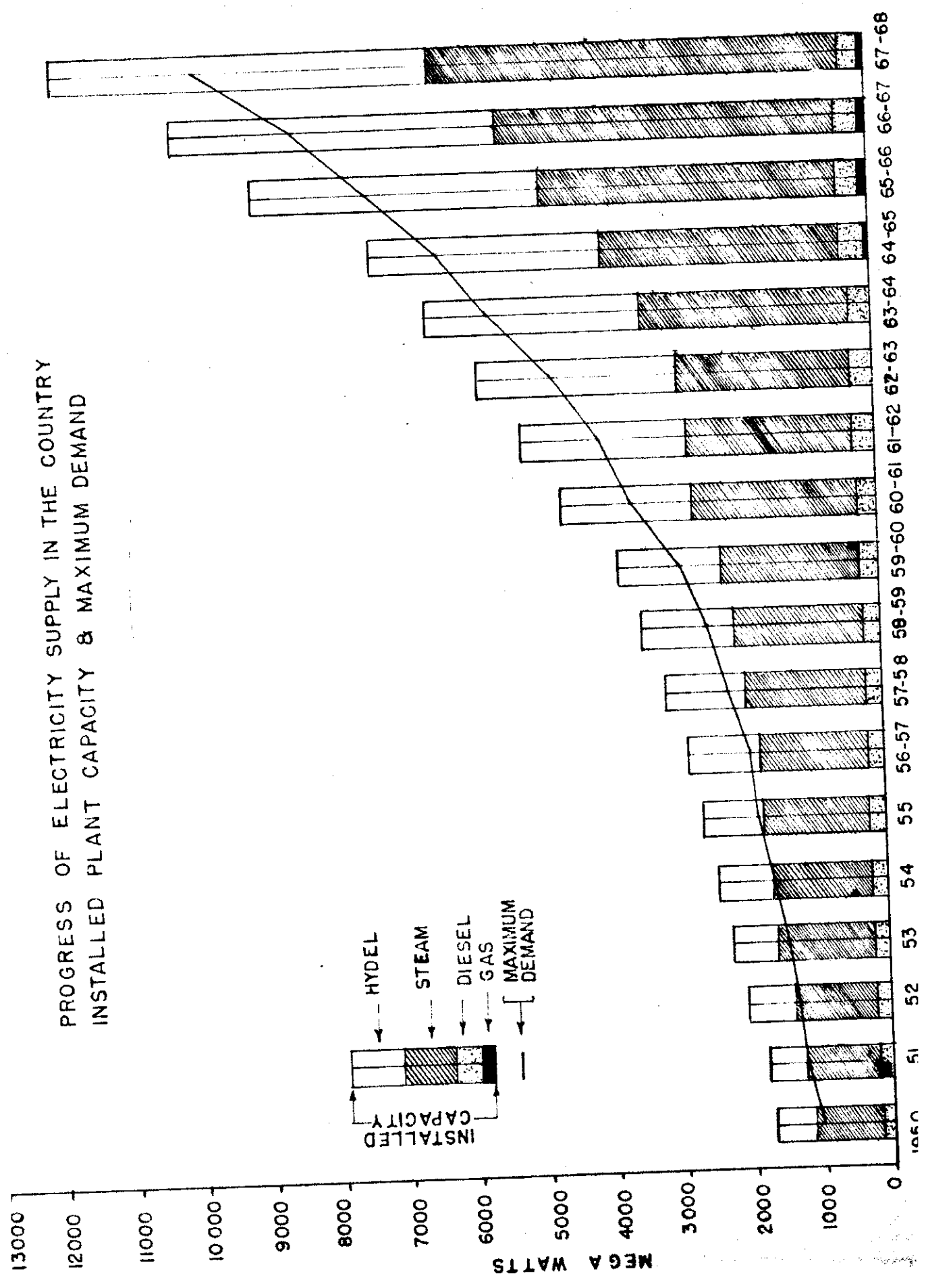
Table No. 39 (Contd)

1	2	3	4	5	6	7	8	9	10
(g) Laccadive, Minicoy & Amindivi Islands		0.03	0.03	0	12.47	13.36	0.13	4,300	4,067
(h) Manipur		1.03	22.35	0	3.05	0.14	3.06	2,975	137
(i) N. E. F. A.		0.38	81.40	0	3.95	0.02	N.A.	N.A.	N.A.
(j) Pondicherry		0.42	0.48	0	-	-	63.71	151,686	133,002
(k) Tripura		1.39	10.45	0	1.94	0.26	7.64	5,496	731
All-India:		514.72	3269.48	118	23.09	3.63	32736.87@@	63,601	10,013

@ Beginning with our annual publication for 1967-68. The capacity of jointly owned projects has been shown distributed in the ratio of the respective States.

@@ Includes rough estimates for Chandigarh.

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





## 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)	Energy Generated 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 %
	Steam	Gas Turbine & Diesel	Hydro	Total						
1	2	3	4	5	6	7	8	9	10	11
1939	540.760	86.790	442.169	1069.719	575.801	2442.415	2,273	2,034.636	48.42	53.8
1947	757.457	97.679	508.129	1363.265	882.853	4073.318	2,988	3,358.794	52.67	64.3
1948	788.393	107.019	515.554	1410.966	965.780	4575.466	3,243	3,721.464	54.08	68.4
1949	852.639	125.468	559.079	1537.186	1008.000	4909.289	3,194	4,004.716	55.60	65.6
1950	1004.434	148.796	559.285	1712.515	1098.314	5106.700	2,981	4,156.657	53.08	64.1
1951	1097.567	162.680	575.179	1835.426	1205.194	5858.403	3,192	4,793.344	55.49	65.7
1952	1176.317	170.259	715.179	2061.755	1310.651	6120.347	2,969	5,005.682	53.31	63.6
1953	1393.717	180.294	731.179	2305.190	1416.350	6697.187	2,905	5,597.083	53.98	61.4
1954	1491.043	209.607	793.346	2493.996	1625.123	7521.777	3,016	5,252.501	52.84	65.2
1955	1546.805	208.529	939.483	2694.817	1849.672	8592.451	3,189	7,111.011	53.03	68.6
1956	1596.412	228.288	1061.441	2886.141	1989.774	9662.133	3,348	7,959.345	55.43	68.9
1957-58	1763.257	245.935	1213.919	3223.111	2288.212	11369.142	3,527	9,345.224	56.72	71.0
1958-59	1879.553	270.288	1361.745	3511.586	2542.955	12993.886	3,700	10,713.610	58.33	72.4
1959-60	2047.011	296.010	1530.145	3873.166	2931.360	15032.953	3,881	12,406.943	58.54	75.7
1960-61	2436.255	300.135	1916.661	4653.051	3545.930	15937.012	3,640	13,952.716	54.53	76.2
1961-62	2471.019	328.697	2419.100	5218.816	3971.206	19669.945	3,769	16,448.295	56.54	76.3
1962-63	2537.693	327.152	2936.349	5801.194	4635.049	22364.972	3,855	18,679.021	55.08	79.9
1963-64	3007.634	401.289	3167.016	6575.939	5548.503	26817.575	4,078	21,793.977	55.17	84.4
1964-65	3604.575	403.364	3388.726	7396.665	6257.197	29563.079	4,044	24,219.269	53.93	84.6
1965-66	4417.115	486.159	4125.745	9027.019	7306.230	32990.125	3,708	26,734.944	51.54	80.9
1966-67*	4846.910	448.034	4757.223	10092.167	8291.571	36375.587	3,604	29,127.636	50.08	82.16
1967-68	5975.410	420.837	5486.916	11883.163	9702.737	41194.637	3,467	32,736.872	48.50	81.65

\* Revised

Table No. 41(1)

## PROGRESS OF ELECTRICITY SUPPLY - ANDHRA PRADESH

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed Capacity (MW)</b>						
Steam	46.000	46.000	83.500	113.500	233.500	341.750
Gas Turbine	-	-	-	20.000	20.000	20.000
Diesel	13.164	19.876	20.188	12.128	12.128	6.160
Hydro	-	66.000	166.150	152.925	152.925	272.925
<b>Total:</b>	<b>59.164</b>	<b>131.876</b>	<b>269.838</b>	<b>298.553</b>	<b>418.553</b>	<b>640.835</b>
<b>Energy (Million kWh)</b>						
<b>Generation</b>						
Steam	89.612	60.177	145.836	510.383	763.479	1090.315
Gas Turbine	-	-	-	38.405	17.105	0.249
Diesel	14.328	9.661	5.450	6.772	3.570	0.414
Hydro	-	169.364	748.743	764.611	614.014	858.585
<b>Total:</b>	<b>103.940</b>	<b>239.202</b>	<b>900.029</b>	<b>1320.171</b>	<b>1398.168</b>	<b>1949.563</b>
<b>* Purchased from non-utilities and adjoining States.</b>						
	-	-	1.040	152.438	133.066	16.410
<b>Used by power station auxiliaries.</b>						
	-	-	23.237	43.767	68.564	106.040

	1	2	3	4	5	6	7
<b>@ Sales</b>							
(i) To adjoining States	-	-	-	120.525	0.042	-	11.550
(ii) Within the State:							
Domestic light and small power	20.946	-	-	70.815	85.748	81.039	106.000
Commercial light and small power	18.657	33.810	-	30.321	172.901	178.520	96.400
Industrial power	44.297	88.641	-	398.331	574.366	546.652	857.900
Public lighting	5.878	9.832	-	14.863	20.349	18.721	22.800
Railways/ Tramways	-	-	-	-	-	-	-
Agricultural	4.905	10.458	-	54.827	172.665	172.400	246.600
Public Water works and sewage pumping	3.493	6.410	-	7.399	22.315	23.517	-
Miscellaneous	-	-	-	-	-	-	4.600
Total (ii):	98.176	181.017	-	571.556	1048.344	1020.849	1334.300

Lost in transformation, transmission and distribution

and unaccounted for. 185.751 392.127 419.925 527.400

**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.

\* 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 those 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. 41(2) Contd.

	1	2	3	4	5	6	7
<b>Sales</b>							
(i) To adjoining States	-	-	-	-	-	-	0.700
(ii) Within the State:							
Domestic light and small power	2.080	3.331	9.897	23.588	41.883	43.157	
Commercial light and small power	2.060	3.689	4.212	19.334	8.922	13.711	
Industrial power	0.772	1.383	11.827	23.590	46.265	46.506	
Public lighting	0.614	0.740	2.699	3.656	3.641	3.707	
Railways/Tramways	-	-	-	-	-	-	
Agricultural	-	-	-	0.107	N.A.	9.910	
Public water works and sewage pumping	0.069	0.143	0.463	0.758	2.567	2.900	
Miscellaneous	-	-	-	-	-	0.026	
<b>Total (ii):</b>	<b>5.595</b>	<b>9.286</b>	<b>29.098</b>	<b>71.033</b>	<b>103.278</b>	<b>119.917</b>	
Lost in transformation, transmission and distribution and unaccounted for	-	-	5.848	21.955	32.800	41.401	

Table No. 41(3)

## PROGRESS OF ELECTRICITY SUPPLY - BIHAR

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	39.510	185.045	288.520	608.770	650.270	700.270
Diesel	7.486	15.396	18.373	19.524	15.914	16.717
Hydro	-	4.000	44.000	44.000	44.000	44.000
<b>Total:</b>	<b>46.996</b>	<b>204.441</b>	<b>350.893</b>	<b>672.294</b>	<b>710.184</b>	<b>760.987</b>
<b>Energy (Million kWh) Generation</b>						
Steam	118.870	580.118	1408.554	3079.558	3486.947	3403.418
Diesel	13.162	20.964	44.624	22.798	24.118	19.377
Hydro	-	2.153	143.655	124.513	54.189	100.081
<b>Total:</b>	<b>132.032</b>	<b>603.235</b>	<b>1596.833</b>	<b>3226.869</b>	<b>3565.254</b>	<b>3522.876</b>
<b>Purchased from non- utilities and adjoining States.</b>	-	-	67.789	113.535	42.720	49.702
<b>Used by power station auxiliaries</b>	-	-	98.629	300.661	330.501	331.034

Table No. 41(3)Contd.

	1	2	3	4	5	6	7
<b>Sales</b>							
(i) To adjoining States	-	-	-	457.839	889.304	872.557	539.704
(ii) <u>Within the State.</u>							
Domestic light and small power	14.820	27.138		44.312	61.093	64.637	71.298
Commercial light and small power	6.062	13.296		29.830	69.354	84.613	82.498
Industrial power	87.847	298.543		776.395	1397.251	1500.075	1586.354
Public lighting	1.098	1.937		3.647	4.804	4.867	4.905
Railways/Tramways	-	-		4.528	343.085	388.411	349.997
Agricultural	4.599	4.272		18.255	29.325	49.249	61.050
Public water works and sewage pumping	4.167	8.126		12.238	27.635	30.034	31.803
Miscellaneous	-	-		-	-	-	7.492
<b>Total (ii):</b>	<b>118.593</b>	<b>353.312</b>		<b>889.205</b>	<b>1932.547</b>	<b>2121.886</b>	<b>2195.397</b>
Lost in transformation, transmission and distribution and unaccounted for.	-	-		218.949	217.892	283.030	506.434

Note:- The above figure have been suitably adjusted to cover the area served by D. V. C. in Bihar.

Table No. 41 (4)

## PROGRESS OF ELECTRICITY SUPPLY-GUJARAT

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	108.930	183.600	280.900	609.600	609.600	619.600
Diesel	32.948	40.605	52.367	41.018	48.070	45.242
Hydro	-	-	-	-	-	-
<b>Total:</b>	<b>141.878</b>	<b>224.205</b>	<b>333.267</b>	<b>650.618</b>	<b>657.670</b>	<b>664.842</b>
<b>Energy(Million kWh) Generation</b>						
Steam	316.405	739.372	1,209.144	2,155.479	2,474.894	2,861.593
Diesel	57.244	51.577	62.083	51.900	16.930	27.106
Hydro	-	-	-	-	-	-
<b>Total:</b>	<b>373.649</b>	<b>790.949</b>	<b>1,271.227</b>	<b>2,207.379</b>	<b>2,491.824</b>	<b>2,888.699</b>
Purchased from non- utilities and adjoining States.	-	-	-	0.870	0.778	44.547
Used by power station auxiliaries.	-	-	82.615	177.755	200.351	218.845

Table No. 41(4)Contd.

1	2	3	4	5	6	7
<b>Sales</b>						
(i) To adjoining States	-	-	-	0.399	0.956	1.188
(ii) Within the States						
Domestic light and small power	30.901	46.726	71.573	141.539	155.366	172.970
Commercial light and small power	12.328	14.936	31.660	48.978	64.627	62.805
Industrial power	266.694	590.402	805.961	1,421.146	1,511.467	1,762.987
Public lighting	5.889	8.980	15.274	22.235	26.197	27.672
Railways/Tramways	-	-	-	-	-	-
Agricultural	1.326	6.060	19.610	100.532	193.430	221.530
Public Water works and sewage pumping	12.083	26.746	39.560	62.039	67.922	68.694
Miscellaneous	-	-	-	-	-	12.249
<b>Total,(ii):</b>	<b>329.221</b>	<b>693.850</b>	<b>983.638</b>	<b>1,796.469</b>	<b>2,019.009</b>	<b>2,328.907</b>
Lost in transformation, transmission and unaccounted for	-	-	204.974	233.626	277.286	384.306



Table No. 41(5)

**PROGRESS OF ELECTRICITY SUPPLY - HARYANA\*\***

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	1.300	6.750	6.300	28.100	28.100	34.850
Diesel	6.986	7.515	4.306	6.315	6.439	3.586
Hydro	-	-	-	245.692	327.080	367.776
<b>Total:</b>	<b>8.286</b>	<b>14.265</b>	<b>10.606</b>	<b>280.107</b>	<b>361.620</b>	<b>456.212</b>
<b>Energy (Million kWh) Generation</b>						
Steam	2.881	6.769	6.658	14.144	44.897	66.042
Diesel	6.867	4.048	0.861	3.679	1.167	0.640
Hydro	-	-	-	1083.262	1198.095	1319.146
<b>Total:</b>	<b>9.748</b>	<b>10.817</b>	<b>7.519</b>	<b>1101.085</b>	<b>1244.159</b>	<b>1385.828</b>
<b>* Purchased from non- utilities and adjoining States</b>	-	-	-	-	-	-
<b>Used by power station auxiliaries</b>	-	-	-	1.339	3.650	3.517
<b>@ Sales</b>						
(i) To adjoining States	-	-	-	-	-	754.362
(ii) Within the State -						
Domestic light and small power	-	-	-	-	-	36.609
Commercial light and small power	-	-	-	-	-	35.150

Table No. 41(5)Contd.

1	2	3	4	5	6	7
Industrial power	-	-	-	-	-	345.477
Public lighting	-	-	-	-	-	3.305
Railways/Tramways	-	-	-	-	-	-
Agricultural	-	-	-	-	-	110.592 \$
Public water works and sewage pumping	-	-	-	-	-	-
Miscellaneous	-	-	-	-	-	0.416
<b>Total(ii)</b>	-	-	-	-	-	<b>531.549</b>

Lost in transformation, transmission and distribution and unaccounted for.	-	-	-	-	-	107.430
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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.

\* 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 those 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.

\*\* 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 in Haryana are not available prior to 1967-68.

\$ Includes figures of public water works and sewage pumping also.

Table No. 41 (6)

## PROGRESS OF ELECTRICITY SUPPLY - JAMMU &amp; KASHMIR

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	1.500	1.500	1.500	1.500	-	-
Diesel	0.465	0.769	0.869	1.536	0.660	5.660
Hydro	4.514	10.606	10.612	28.071	27.918	26.918
<b>Total:</b>	<b>6.479</b>	<b>12.875</b>	<b>12.981</b>	<b>31.107</b>	<b>27.578</b>	<b>32.578</b>
<b>Energy (Million kWh) Generation:</b>						
Steam	1.774	-	-	N.A.	-	-
Diesel	0.261	0.075	0.025		0.294	5.100
Hydro	23.479	23.896	43.489		110.170	113.030
<b>Total:</b>	<b>25.514</b>	<b>23.971</b>	<b>43.514</b>		<b>110.464</b>	<b>118.130</b>
<b>Purchased from non- utilities and adjoining States.</b>	-	-	17.500	35.462	45.306	56.577
<b>Used by power station auxiliaries</b>	-	-	0.509		1.141	1.380

Table No. 41(6)Contd..

	1	3	3	4	5	6	7
<b>Sales (Estimated):</b>							
(i) To adjoining States		-	-	-	-	-	-
(ii) <u>Within the State</u>							
Domestic light and and small power	7.600	8.864	22.500	Data	47.810	56.220	
Commercial light and small power	0.811	0.176	1.000	Not	21.890	10.000	
Industrial power	6.318	6.424	22.000	Avail-	33.340	46.570	
Public lighting	0.552	0.566	1.300	able	1.830	0.940	
Railways/Tramways	-	-	-		-	-	
Agricultural	0.424	0.302	0.700		6.680	4.390	
Public water works and sewage pumping	1.610	2.086	3.500		22.180	12.780	
Miscellaneous	-	-	-	-	-	0.930	
<b>Total:</b>	<b>17.375</b>	<b>18.418</b>	<b>51.000</b>	<b>-</b>	<b>133.730</b>	<b>131.830</b>	
 Lost in transformation, transmission and distribution and unaccounted for	 -	 -	 9.505	 -	 20.899	 41.497	

Table No. 41(7)

## PROGRESS OF ELECTRICITY SUPPLY - KERALA

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	-	-	-	-	-	-
Diesel	4.170	4.277	4.762	4.605	1.600	1.600
Hydro	28.500	85.500	132.500	192.500	359.000	527.000
<b>Total:</b>	<b>32.670</b>	<b>89.777</b>	<b>137.262</b>	<b>197.105</b>	<b>360.600</b>	<b>528.600</b>
<b>Energy (Million kWh) Generation</b>						
Steam	-	-	-	-	-	-
Diesel	1.460	0.132	-	1.602	0.376	0.001
Hydro	152.179	349.599	581.818	840.337	1082.737	1406.555
<b>Total:</b>	<b>153.639</b>	<b>349.731</b>	<b>581.818</b>	<b>841.939</b>	<b>1083.113</b>	<b>1406.556</b>
<b>Purchased from non- utilities and adjoining States</b>	-	-	50.341	116.478	77.991	31.577
<b>Used by power station auxiliaries.</b>	-	-	18.394	18.816	14.941	17.059

Table No. 41(7) Contd..

	1	2	3	4	5	6	7
<b>Sales:</b>							
(i) To adjoining States	-	-	11.591	1.347	10.884	7.676	
(ii) <u>Within the State</u>							
Domestic light and small power	13.748	22.890	51.073	89.926	64.411	70.438	
Commercial light and small power	2.697	2.291	3.851	14.434	38.234	48.977	
Industrial power	140.939	223.592	396.407	602.893	749.845	1005.499	
Public lighting	1.604	2.722	8.358	10.553	13.409	14.014	
Railways/Tramways	-	-	-	-	-	-	
Agricultural	6.170	10.721	18.287	24.032	30.462	36.768	
Public Water Works and Sewage Pumping	3.292	7.001	7.844	7.960	4.917	3.846	
Miscellaneous	-	-	-	-	-	8.715	
<b>Total (ii)</b>	<b>168.450</b>	<b>269.217</b>	<b>485.820</b>	<b>749.798</b>	<b>901.278</b>	<b>1188.257</b>	
Lost in transformation, transmission and distribution and unaccounted for	-	-	116.344	188.456	234.001	225.141	

Table No. 41(8)

## PROGRESS OF ELECTRICITY SUPPLY - MADHYA PRADESH

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	27.308	66.322	169.798	238.400	283.770	405.770
Diesel	11.979	15.984	28.739	26.139	21.540	7.153
Hydro	-	-	69.000	46.000	57.500	79.000
<b>Total:</b>	<b>39.287</b>	<b>82.306</b>	<b>267.537</b>	<b>310.539</b>	<b>362.810</b>	<b>491.923</b>
<b>Energy (Million kWh) Generation</b>						
Steam	57.354	150.070	429.677	1110.198	1323.853	1660.478
Diesel	15.953	19.271	24.049	19.956	14.288	4.286
Hydro	-	-	23.240	78.060	49.233	88.237
<b>Total:</b>	<b>73.307</b>	<b>169.341</b>	<b>476.966</b>	<b>1208.214</b>	<b>1387.374</b>	<b>1753.001</b>
<b>Purchased from non- utilities and adjoining States</b>	-	-	30.000	69.293	85.010	55.325
<b>Used by power station auxiliaries</b>	-	-	30.985	100.064	109.046	146.986
<b>Sales:</b>						
(i) To adjoining States	-	-	3.000	3.086	21.450	11.672
(ii) Within the State - Domestic light and small power	14.845	25.206	45.397	74.387	87.650	117.206

Table No. 41(8) Contd..

1	2	3	4	5	6	7
Commercial light and small power	7.470	13.525	20.790	26.644	41.456	71.762
Industrial Power	23.094	77.280	301.267	868.380	964.741	1146.138
Public lighting	2.183	4.801	9.113	9.966	14.046	16.638
Railways/Tramways	-	-	-	-	-	-
Agricultural Public Water Works and Sewage Pumping	0.188	0.698	3.890	11.757	17.883	21.045
Miscellaneous	-	-	-	-	-	0.249
<b>Total (ii):</b>	<b>58.101</b>	<b>139.996</b>	<b>405.700</b>	<b>1028.416</b>	<b>1164.022</b>	<b>1418.788</b>
Lost in transforma- tion, transmission and distribution and unaccounted for	-	-	662.281	147.461	177.866	237.731

Note:- Figure 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.

\* 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 those 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. 41(9)

## PROGRESS OF ELECTRICITY SUPPLY - MAHARASHTRA

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<u>Installed capacity in (MW)</u>						
Steam	64.954	225.110	443.250	653.250	646.000	708.500
Diesel	21.122	27.917	34.363	52.358	41.973	42.525
Hydro	253.114	279.914	281.914	598.888	746.824	829.324
Total:	339.190	532.941	759.527	1,304.496	1,434.797	1,580.349
<u>Energy (Million kWh) Generation</u>						
Steam	280.038	742.343	1,834.760	2,415.922	2,511.272	2,769.671
Diesel	32.203	38.879	68.171	61.709	47.869	42.149
Hydro	1,229.024	1,467.483	1,364.946	3,157.555	3,773.743	4,012.941
Total:	1,541.265	2,248.705	3,267.877	5,635.186	6,332.884	6,824.761
Purchased from non- utilities and adjoining states.	-	-	2.200	-	-	-
Used by power station auxiliaries.	-	-	136.118	212.659	225.695	252.318

Table No. 41(9)Contd..

	1	2	3	4	5	6	7
<b>Sales:</b>							
(i) To adjoining States	-	-	30.000	55.409	57.940	35.755	
(ii) Within the State -							
Domestic light and small power	107.964	165.574	259.901	448.208	494.539	536.729	
Commercial light and small power	86.133	131.301	198.230	363.381	406.766	428.196	
Industrial power	815.801	1,234.899	1,852.666	3297.263	3606.046	3880.057	
Public lighting	7.129	14.503	19.883	38.571	41.804	60.699	
Railways/Tramways	270.946	344.463	338.927	413.863	435.787	552.564	
Agricultural	2.748	5.129	14.759	89.555	113.589	154.947	
Miscellaneous	-	-	-	-	-	50.567	
Public Water Works and Sewage Pumping.	23.346	31.366	35.157	65.696	77.680	100.760	
<b>Total (ii)</b>	<b>1,314.067</b>	<b>1,927.235</b>	<b>2,719.523</b>	<b>4716.537</b>	<b>5176.211</b>	<b>5764.519</b>	
<b>Lost in transmission, transformation and distribution and unaccounted for.</b>	-	-	384.436	650.581	873.038	772.169	

Table No. 41 (10)

## PROGRESS OF ELECTRICITY SUPPLY - MYSORE

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	0.057	-	-	1.100	-	-
Gas turbine	-	-	-	10.000	10.000	10.000
Diesel	7.681	12.264	12.876	12.532	2.657	1.575
Hydro	107.200	178.200	178.200	432.000	432.000	610.200
<b>Total:</b>	<b>114.938</b>	<b>190.464</b>	<b>191.076</b>	<b>455.632</b>	<b>444.657</b>	<b>621.775</b>
<b>Energy (Million kWh) Generation:</b>						
Steam	-	-	-	1.626	-	-
Gas turbine	-	-	-	0.611	-	-
Diesel	13.159	16.449	19.242	17.522	3.216	0.579
Hydro	525.343	809.725	1038.756	1916.072	2521.649	2293.391
<b>Total:</b>	<b>538.502</b>	<b>826.174</b>	<b>1057.998</b>	<b>1935.831</b>	<b>2524.865</b>	<b>2293.970</b>
* Purchased from non- utilities and adjoining States.	-	-	48.250	0.042	-	-
Used by power station auxiliaries.	-	-	16.652	9.597	7.813	8.601
© Sales:						
(i) To adjoining States	-	-	-	227.006	627.352	227.338

Table No. 41(10)Contd.

1	2	3	4	5	6	7
<b>(ii) Within the State :</b>						
Domestic light and small power	31.987	55.489	75.243	131.255	150.036	168.218
Commercial light and small power	8.734	17.785	21.299	27.292	34.060	31.041
Industrial power	292.174	486.229	731.889	1035.514	1126.859	1255.783
Public lighting	7.140	13.838	18.880	28.682	36.642	38.977
Railways/Tramways	-	-	-	-	-	-
Agricultural	6.967	16.465	28.714	66.015	63.398	90.139
Public Water Works and Sewage Pumping	37.034	42.574	58.915	92.846	92.947	93.003
Miscellaneous	-	-	-	-	-	-
<b>Total (ii)</b>	<b>384.036</b>	<b>632.380</b>	<b>934.940</b>	<b>1381.604</b>	<b>1503.942</b>	<b>1677.161</b>
Lost in transformation, transmission and distribution and unaccounted for.	-	-	154.640	314.884	414.931	377.543

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.

\* 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 those 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. 41(11)

## PROGRESS OF ELECTRICITY SUPPLY - NAGALAND

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity in (MW)</b>						
Steam	-	-	-	-	-	-
Diesel	-	-	-	725	1.570	1.570
Hydro	-	-	-	-	-	-
<b>Total:</b>	-	-	-	<b>725</b>	<b>1.570</b>	<b>1.570</b>
<b>Energy (Million kWh) Generation</b>						
Steam	-	-	-	-	-	-
Diesel	-	-	-	1.013	1.877	1.600
Hydro	-	-	-	-	-	-
<b>Total:</b>	-	-	-	<b>1.013</b>	<b>1.877</b>	<b>1.600</b>
<b>Purchased from non- utilities and adjoining States.</b>	-	-	-	-	-	<b>0.700</b>
<b>Used by power station auxiliaries.</b>	-	-	-	<b>0.012</b>	<b>0.017</b>	<b>0.028</b>

Table No. 41(11)Contd.

	1	2	3	4	5	6	7
<b>Sales:</b>							
(i) To adjoining States	-	-	-	-	-	-	-
(ii) Within the States:							
Domestic light and small power	-	-	-	-	0.649	0.866	1.470
Commercial light and small power	-	-	-	-	-	0.523	0.410
Industrial power	-	-	-	-	0.073	0.122	0.099
Public lighting	-	-	-	-	0.068	0.126	0.106
Railways/Tramways	-	-	-	-	-	-	-
Agricultural	-	-	-	-	-	-	-
Public Water Works and Sewage Pumping	-	-	-	-	0.052	0.107	0.015
<b>Total (ii)</b>	-	-	-	-	<b>0.842</b>	<b>1.744</b>	<b>2.100</b>
Lost in transforma- tion, transmission and distribution and unaccounted for.	-	-	-	-	0.159	0.116	0.172

Table No. 41(12)

## PROGRESS OF ELECTRICITY SUPPLY - ORISSA

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	0.776	5.776	5.776	5.750	5.750	133.250
Diesel	4.079	3.991	7.468	4.806	1.280	1.280
Hydro	5	24.005	123.005	304.437	304.437	304.425
<b>Total:</b>	<b>4.860</b>	<b>33.772</b>	<b>136.249</b>	<b>314.993</b>	<b>311.467</b>	<b>438.955</b>
<b>Energy (Million kWh) Generation</b>						
Steam	2.133	17.617	-	-	5.006	55.848
Diesel	4.665	3.517	5.901	0.966	0.754	0.870
Hydro	0.013	0.011	483.738	1155.523	783.972	974.223
<b>Total:</b>	<b>6.811</b>	<b>21.145</b>	<b>489.639</b>	<b>1156.489</b>	<b>789.732</b>	<b>1030.941</b>
<b>* Purchased from non-utilities and adjoining States.</b>	-	-	104.813	12.376	164.430	129.458
<b>Used by power station auxiliaries.</b>	-	-	3.680	4.257	5.402	15.264
<b>@ Sales:</b>						
<b>(i) To adjoining States</b>	-	-	25.000	131.033	48.914	2.312

Table No. 41(12)Contd.

	1	2	3	4	5	6	7
<b>(ii) Within the State:</b>							
Domestic light and small power		2.256	4.023	18.300	29.928	32.491	25.395
Commercial light and small power		1.408	1.938	7.870	16.692	26.078	27.442
Industrial power		1.117	7.578	457.465	882.212	687.629	916.042
Public lighting		0.243	0.614	1.437	7.947	3.106	4.313
Railways/Tramways		-	-	-	32.718	10.523	21.050
Agricultural		-	-	0.752	1.734	1.309	3.325
Public Water Works and Sewage Pumping		0.101	1.049	2.297	5.363	4.346	3.958
Miscellaneous		-	-	-	-	-	20.338
<b>Total (ii)</b>		<b>5.125</b>	<b>15.202</b>	<b>488.171</b>	<b>976.594</b>	<b>765.482</b>	<b>1021.863</b>
Lost in transformation, transmission and distribution and unaccounted for.		-	-	77.602	48.091	127.482	110.961

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.

\* 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 those 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. 41(13)

## PROGRESS OF ELECTRICITY SUPPLY - PUNJAB \*\*

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	1.076	1.076	1.576	5.000	5.000	15.000
Diesel	8.597	10.449	9.544	10.281	6.073	6.073
Hydro	48.240	144.240	324.726	417.365	538.622	599.663
<b>Total:</b>	<b>57.913</b>	<b>155.765</b>	<b>335.846</b>	<b>432.646</b>	<b>549.695</b>	<b>620.736</b>
<b>Energy Generation (Million kWh)</b>						
Steam	-	-	-	8.003	9.871	1.373
Diesel	9.309	0.685	4.359	4.449	0.728	0.279
Hydro	163.719	413.497	977.726	1806.334	2004.721	2041.727
<b>Total:</b>	<b>173.028</b>	<b>414.182</b>	<b>982.085</b>	<b>1818.786</b>	<b>2015.320</b>	<b>2043.379</b>
* Purchased from non- utilities and adjoining States.	-	-	-	311.561	318.816	377.218
Used by power station auxillaries.	-	-	7.955	9.309	11.460	4.824
@ Sales:						
(i) To adjoining States	-	-	182.875	384.488	492.972	642.959
(ii) Within the State - Domestic light and small power	24.898	40.840	69.867	113.542	120.681	96.275

Table No. 41(13) Contd.

1	2	3	4	5	6	7
Commercial light and small power	12.006	34.819	61.397	86.431	88.541	62.337
Industrial Power	56.128	153.632	355.974	1915.702	2060.224	1814.031
Public lighting	2.443	5.755	9.092	9.871	11.472	7.386
Railways/Tramways	-	-	-	-	-	-
Agricultural	0.490	22.655	74.848	210.852	257.126	143.631 \$
Public Water Works and Sewage Pumping	6.589	8.729	9.121	13.411	0.001	-
Miscellaneous	-	-	-	-	-	10.541
<b>Total (ii)</b>	<b>102.554</b>	<b>266.430</b>	<b>580.299</b>	<b>2349.809</b>	<b>2538.045</b>	<b>2134.281</b>
Lost in transformation, transmission and distribution and unaccounted for.	-	-	232.509	496.928	526.478	454.808

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.

- \* 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 those projects.
- \*\* Figures of installed capacity and generation for all the years from 1966-67 onwards are for the area under reorganised Punjab. Figures for the years 1951, 1956, 1960-61 and 1965-66 present Punjab and Chandigarh combined, due to want of data at present.
- @ 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.
- \$ Includes figure of Public Water Works and Sewage Pumping also.

Table No. 41(14)

## PROGRESS OF ELECTRICITY SUPPLY - RAJASTHAN

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity in (MW)</b>						
Steam	17.265	24.000	46.250	48.500	46.150	96.150
Gas turbine	-	-	-	10.000	10.000	10.000
Diesel	13.675	19.787	24.425	31.806	35.030	36.863
Hydro	-	-	-	156.269	204.297	244.061
<b>Total:</b>	<b>30.940</b>	<b>43.787</b>	<b>70.675</b>	<b>246.575</b>	<b>295.477</b>	<b>387.074</b>
<b>Energy (Million kWh) Generation:</b>						
Steam	42.716	61.279	70.411	127.309	111.564	160.820
Gas Turbine	-	-	-	1.384	5.241	2.547
Diesel	21.552	29.030	37.991	36.161	43.043	39.738
Hydro	-	-	-	564.237	586.948	687.775
<b>Total:</b>	<b>64.268</b>	<b>90.309</b>	<b>108.402</b>	<b>729.091</b>	<b>746.796</b>	<b>890.880</b>
* Purchased from non-utilities and adjoining States.	-	-	22.808	3.086	21.450	14.732
Used by power station auxiliaries.	-	-	6.395	10.552	12.610	18.505
<b>@ Sales:</b>						
(i) To adjoining States	-	-	-	311.494	323.848	298.369

Table No. 41(14)Contd.

	1	2	3	4	5	6	7
(ii) Within the State -							
Domestic light and small power		10.834	12.325	20.734	38.510	39.880	64.715
Commercial light and small power		5.833	11.115	15.858	38.261	41.947	58.192
Industrial Power		14.198	21.890	33.580	197.810	167.266	236.856
Public Lighting		1.969	2.987	5.200	7.268	7.698	8.682
Railways/Tramways		-	-	-	-	-	-
Agricultural		1.664	1.845	3.621	19.684	29.378	37.674
Public Water Works and sewage Pumping		12.923	14.459	19.537	24.260	32.641	35.568
Miscellaneous		-	-	-	-	-	0.136
<b>Total (ii)</b>		<b>47.421</b>	<b>64.621</b>	<b>98.530</b>	<b>325.793</b>	<b>318.810</b>	<b>441.823</b>
Lost in transmission, transformation and distribution and unaccounted for.		-	-	26.530	81.742	111.582	180.622

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.

\* 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 those 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. 41(15)

## PROGRESS OF ELECTRICITY SUPPLY - TAMIL NADU

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity in (MW)</b>						
Steam	52.000	84.000	101.500	401.500	401.500	501.500
Diesel	516	516	516	6.000	-	-
Hydro	101.950	165.150	415.450	906.650	969.000	969.000
<b>Total:</b>	<b>154.466</b>	<b>249.666</b>	<b>517.466</b>	<b>1,314.150</b>	<b>1,370.500</b>	<b>1,470.500</b>
<b>Energy (Million kWh) Generation</b>						
Steam	140.189	281.718	416.171	2,230.504	839.314	2,445.590
Diesel	0.195	-	-	0.276	-	-
Hydro	579.173	802.619	1,797.545	1,978.633	2,100.397	2,729.691
<b>Total:</b>	<b>719.557</b>	<b>1,084.337</b>	<b>2,213.716</b>	<b>4,209.413</b>	<b>3,939.711</b>	<b>5,175.281</b>
<b>Purchased from non- utilities and adjoining States.</b>	-	-	23.866	218.600	569.894	168.332
<b>Used by power station auxiliaries.</b>	-	-	64.746	266.327	212.847	278.310

Table No. 41(15)Contd

	1	2	3	4	5	6	7
<b>Sales:</b>							
(i) To adjoining State.	-	-	80.549	210.617	158.593	96.176	
(ii) Within the State -							
Domestic light and small power	59.340	108.915	152.890	213.700	225.543	257.077	
Commercial light and small power	54.693	90.398	156.712	299.135	313.276	263.299	
Industrial power	324.291	449.368	909.791	1792.322	1995.168	2293.723	
Public lighting	14.178	20.774	33.920	48.910	50.974	58.119	
Railways/Tramways	15.749	12.628	15.000	20.290	27.920	32.188	
Agricultural	69.636	138.300	382.403	819.653	763.096	1052.499	
Public Water Works and Sewage Pumping	8.625	10.319	14.427	28.112	299.215	30.079	
Miscellaneous	546-	-	-	-	-	58.425	
Total (ii)	546.512	830.702	1665.143	3222.122	3405.192	4045.409	
Lost in transforma- tion,transmission and distribution and unaccounted for.	-	-	427.177	728.947	733.073	923.718	

Table No. 41(16)

## PROGRESS OF ELECTRICITY SUPPLY - UTTAR PRADESH

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<u>Installed capacity in (MW)</u>						
Steam	161.090	179.860	270.810	398.235	398.735	676.235
Gas turbine	-	-	-	12.500	12.500	12.500
Diesel	12.883	32.490	34.164	42.047	41.546	31.606
Hydro	26.220	96.390	92.470	477.755	477.750	477.755
<b>Total:</b>	<b>200.193</b>	<b>308.740</b>	<b>397.444</b>	<b>930.537</b>	<b>930.531</b>	<b>1197.096</b>
<u>Energy (Million kWh) Generation:</u>						
Steam	398.271	490.829	786.262	1450.667	1583.298	2995.037
Gas turbine	-	-	-	14.030	14.924	11.961
Diesel	14.181	20.343	26.092	25.104	26.012	10.353
Hydro	157.320	232.309	439.967	1542.858	1688.940	1600.320
<b>Total:</b>	<b>569.772</b>	<b>743.481</b>	<b>1252.321</b>	<b>3032.659</b>	<b>3313.174</b>	<b>3717.671</b>
<u>Purchased from non-utilities and adjoining States.</u>						
	-	-	-	134.108	424.856	479.605
<u>Used by power station auxiliaries.</u>						
	-	-	59.551	118.354	128.124	186.732

Table No. 41(16)Contd.

	1	2	3	4	5	6	7
<b>Sales:</b>							
(i) To adjoining States	-	-	-	-	109.161	58.350	57.884
(ii) Within the States:							
Domestic light							
and small power	49.587	71.510		122.718	190.496	214.206	282.921
Commercial light							
and small power	40.451	59.317		74.736	116.110	125.399	98.877
Industrial power	230.991	314.181		503.928	1639.757	2001.742	2197.338
Public lighting	6.246	8.384		13.848	18.613	20.653	22.229
Railways/Tramways	-	-		-	20.320	34.975	89.840
Agricultural	98.230	90.441		199.992	315.995	380.252	354.324
Public Water Works							
and Sewage Pumping	32.434	42.145		60.481	70.943	75.267	80.106
Miscellaneous	-	-		-	-	-	20.449
<b>Total (ii)</b>	<b>457.939</b>	<b>585.978</b>		<b>975.703</b>	<b>2372.234</b>	<b>2852.494</b>	<b>3146.084</b>
<b>Lost in transformation, transmission and distribution and unaccounted for.</b>	-	-		<b>217.067</b>	<b>506.635</b>	<b>698.062</b>	<b>806.576</b>



Table No. 41(17)

## PROGRESS OF ELECTRICITY SUPPLY - WEST BENGAL

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<b>Installed capacity (MW)</b>						
Steam	539.901	528.351	676.975	1211.210	1471.435	1461.435
Diesel	3.513	5.612	9.473	13.472	10.874	11.937
Hydro	2.760	4.760	67.208	67.508	67.508	85.508
<b>Total:</b>	<b>546.174</b>	<b>538.723</b>	<b>753.656</b>	<b>1292.190</b>	<b>1549.817</b>	<b>1558.880</b>
<b>Energy (Million kWh) Generation:</b>						
Steam	1196.902	1765.624	2150.169	3879.683	4713.262	5148.524
Diesel	4.443	4.632	8.684	16.362	20.359	15.127
Hydro	5.929	8.335	159.886	144.895	79.525	136.374
<b>Total:</b>	<b>1207.274</b>	<b>1778.591</b>	<b>2318.739</b>	<b>4040.940</b>	<b>4813.146</b>	<b>5300.025</b>
<b>Purchased from non- utilities and adjoining States.</b>	-	-	604.970	51.846	340.337	16.051
<b>Used by power station auxiliaries</b>	-	-	130.595	329.449	411.116	426.484

Table No. 41(17)Contd.

	1	2	3	4	5	6	7
<b>Sales:</b>							
(i) To adjoining States	-	-	10.000	0.920	0.508	0.447	
(ii) Within the State							
Domestic light and small power	180.831	253.402	353.517	510.140	562.785	574.630	
Commercial Light and small power	37.550	79.275	115.786	173.871	193.412	210.903	
Industrial Power	731.949	1291.502	1808.128	3009.712	3083.502	3080.325	
Public Lighting	8.346	15.112	23.395	29.799	32.339	32.344	
Railways/Tramways	42.899	47.487	95.297	227.006	282.597	256.017	
Agricultural	-	2.170	0.650	4.254	7.625	10.747	
Public Water Works and Sewage Pumping	32.564	65.594	95.993	110.144	117.831	118.153	
Miscellaneous	-	-	-	-	-	2.579	
<b>Total (ii)</b>	<b>1034.139</b>	<b>1754.542</b>	<b>2492.766</b>	<b>4064.926</b>	<b>4280.091</b>	<b>4285.698</b>	
Lost in transformation, transmission and distribution and unaccounted for.	-	-	290.348	397.491	461.768	603.447	

Note:- The above figures have been suitably adjusted to cover the area served by D.V.C. in West Bengal.

Table No. 41(18)

## PROGRESS OF ELECTRICITY SUPPLY - DELHI

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<u>Installed capacity in (MW)</u>						
Steam	35.150	52.400	53.600	91.600	106.000	231.000
Diesel	7.436	2.791	22.703	20.820	20.820	20.820
Hydro	-	-	-	-	-	-
<b>Total:</b>	<b>42.586</b>	<b>55.191</b>	<b>76.303</b>	<b>112.420</b>	<b>126.820</b>	<b>251.820</b>
<u>Energy (Million kWh) Generation</u>						
Steam	131.881	231.676	271.406	387.132	426.244	513.965
Diesel	5.400	0.541	39.350	7.349	15.574	10.177
Hydro	-	-	-	-	-	-
<b>Total:</b>	<b>137.281</b>	<b>232.217</b>	<b>310.756</b>	<b>394.481</b>	<b>441.818</b>	<b>524.142</b>
* Purchased from non- utilities and adjoining States.	-	-	142.837	336.170	411.943	500.994
Used by power station auxiliaries	-	-	39.243	38.253	43.306	56.108
@ Sales:						
(i) To adjoining States	-	-	-	0.067	13.280	24.095

Table No. 41(18)Contd.

	1	2	3	4	5	6	7
(ii) <u>Within the State:</u>							
Domestic Light and small power	24.250	52.462	97.101	186.512	213.968	231.404	
Commercial Light and small power	33.003	57.629	72.892	167.295	134.705	148.156	
Industrial power	32.406	74.306	153.892	178.425	255.284	289.093	
Public Lighting	2.637	6.491	10.937	15.876	17.383	19.069	
Railways/Tramways	-	0.347	0.171	-	-	-	
Agricultural	5.730	4.928	5.007	6.913	6.056	5.645	
Public Water Works and Sewage Pumping	21.420	31.592	43.185	55.049	65.838	70.380	
Miscellaneous	-	-	-	-	-	-	
<b>Total:</b>	<b>119.446</b>	<b>227.755</b>	<b>383.185</b>	<b>610.070</b>	<b>693.234</b>	<b>763.747</b>	
Lost in transformation, transmission and distribution and unaccounted for	-	-	31.475	82.259	103.938	145.164	

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

\* 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 those 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.

## PROGRESS OF ELECTRICITY SUPPLY - UNION TERRITORIES (EXCLUDING DELHI)

	At the end of 1951	At the end of 1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<u>Installed capacity in (MW)</u>						
Steam	0.550	6.000	6.000	1.100	1.100	1.100
Diesel	3.387	3.941	4.839	13.950	16.599	17.213
Hydro	2.126	2.126	2.156	2.495	3.450	3.451
<b>Total:</b>	<b>6.063</b>	<b>12.067</b>	<b>12.995</b>	<b>17.545</b>	<b>21.149</b>	<b>21.764</b>
<u>Energy (Million kWh) Generation</u>						
Steam	0.032	6.303	3.361	1.573	1.543	1.543
Diesel	4.321	5.180	5.803	19.408	20.701	21.582
Hydro	11.389	12.989	12.189	11.696	12.790	14.996
<b>Total:</b>	<b>15.742</b>	<b>24.472</b>	<b>21.353</b>	<b>32.677</b>	<b>35.034</b>	<b>38.117</b>
Purchased from non- utilities and adjoining States.	-	-	32.006	81.427	106.518	243.894
Used by power station auxillaries.	-	-	1.281	1.397	1.235	1.215
<u>Sales:</u>						
(i) To adjoining States	-	-	-	-	-	-

Table No. 41(19)Contd.

	1	2	3	4	5	6	7
<b>(ii) Within the State</b>							
Domestic light & small power		0.910	2.761	6.453	15.918	29.936	31.936
Commercial light & small power		0.372	0.553	1.601	9.960	16.680	16.808
Industrial power		0.173	3.575	15.783	39.468	54.575	83.441
Public lighting		0.140	0.531	1.345	2.401	3.122	3.986
Railways/Tramways		-	-	-	-	-	-
Agricultural		-	1.734	6.606	18.762	14.550	20.440
Public Water Works and Sewage Pumping		0.009	0.251	0.830	1.296	10.476	11.694
Miscellaneous		-	-	-	-	-	71.149
<b>Total (ii)</b>		<b>1.604</b>	<b>9.405</b>	<b>32.618</b>	<b>87.805</b>	<b>128.339</b>	<b>239.454</b>
Lost in transformation, transmission and distribution and unaccounted for		-	2.326	5.426	15.566	19.073	41.342

Note: 1. Union territory of Chandigarh included in this table from 1966-67 onwards. The figures of installed capacity & generation for Simla Municipality (now in H. P.) are included in this table from 1951.

2. Sales figures for Chandigarh for the year 1966-67, not being available are, therefore not included here. Also please see table of Punjab 41(13).

Table No. 42

## INDEX NUMBER OF PUBLIC ELECTRICITY SUPPLY UTILITIES - ALL INDIA

	1951	1956	1960-61	1965-66	1966-67	1967-68
1	2	3	4	5	6	7
<u>Installed plant capacity at the end of</u>						
(a) Steam	100	145.4	222.0	402.4	447.1@	544.2
(b) Gas Turbine and Diesel	100	139.1	184.5	298.8	274.8@	258.3
(c) Hydro	100	184.5	333.2	736.9	827.3	954.3
All Types	100	157.2	253.5	491.8	550.0@	647.6
<u>Energy generated.</u>						
(a) Steam	100	184.4	314.2	625.1	694.3	800.0
(b) Gas Turbine and Diesel	100	106.2	167.5	178.6	157.6	138.2
(c) Hydro	100	150.1	274.0	532.4	585.2	652.4
All Types	100	164.9	289.1	563.1	621.5	703.2
Coal Consumption *	100	166.4	257.4	414.6	453.3	492.7
Diesel Oil consumption in Gas Turbine and Diesel Power Stations.	100	104.3	153.1	233.1	149.7	103.6
Aggregate Maximum Demand.	100	165.1	294.2	606.2	688.0	805.2
<u>Energy Sales.</u>						
Domestic Light and Small power.	100	157.2	251.2	396.4	442.0	492.9
Commercial Light and small power @@	100	165.4	256.9	500.0	551.3	609.1
Industrial Power	100	174.0	317.0	617.1	667.0	747.0
Public Lighting	100	173.2	285.8	413.6	455.7	514.7
Railways/Tramways	100	122.9	137.7	324.4	358.0	394.6
Agricultural	100	155.7	410.2	931.7	1,037.0	1273.4

Table No. 42(Contd.)

1	2	3	4	5	6	7
Public Water Works and Sewage Pumping.	100	150.9	207.6	297.5	331.1	337.6
All Categories.	100	166.1	288.9	557.8	607.6	683.0

\* Excludes wood and lignite.

(Base 1951=100)

@ Installed capacity for 1966-67 revised.

@@ Includes miscellaneous consumption figures.



Table No. 43

## LENGTHS OF TRANSMISSION AND DISTRIBUTION LINES OF UTILITIES (Circuit Kilometers)

Sl. No.	Name of the State/ Union Territory/ Power Corporation	Distri- bution Lines upto 500 V	2.2/3.3 kV		5/6.6 kV		15/11 kV		22 kV	33 kV		44/37.5 kV OH	78/66 kV OH	110/90 kV OH	132 kV OH	220 kV OH	230 kV OH	TOTAL
			OH	UG	OH	UG	OH	UG		OH	UG							
1	2	3	4	5	6	7	8	9	10	12	13	14	15	16	17	18	19	20
1.	Andhra Pradesh	28,244	-	-	-	-	21,137	-	-	5070	-	-	2917	-	2855	496	-	60,719
2.	Assam *	1,309	25	2	-	-	1,054	-	-	951	-	-	273	-	278	-	-	3,892
3.	Bihar	23,319	37	12	232	55	18,437	40	-	5036	-	-	-	-	1332	-	-	48,500
4.	Gujarat	17,383	141	154	7	1	12,708	577	4,018	2710	-	1	2643	-	782	640	-	41,765
5.	Haryana	11,159	-	3	-	-	7,451	-	-	1239	-	-	455	-	250	-	-	20,557
6.	Jammu & Kashmir	14,346	-	-	864	-	1,289	-	-	129	-	-	200	-	-	-	-	16,828
7.	Kerala	16,341	136	-	11	16	6,897	30	160	36	-	-	1722	731	-	272	-	26,352
8.	Madhya Pradesh	9,218	81	47	51	-	7,741	1	-	7779	-	-	518	-	2980	1161	-	29,577
9.	Maharashtra	37,054	116	120	212	830	20,149	678	4,389	4594	-	-	2006	1933	1497	618	-	74,605
10.	Mysore	34,147	19	-	3,531	147	21,330	47	11	1183	-	-	2299	2610	-	949	-	66,273
11.	Nagaland	726	-	-	-	-	34	-	-	-	-	-	-	-	-	-	-	760
12.	Orissa	2,436**	63	-	32	-	2,696	310	-	3142	-	-	-	-	1885	-	-	10,564
13.	Punjab	16,227	-	-	-	-	11,749	2	-	1467	-	-	362	-	1016	245	-	31,068
14.	Rajasthan \$	8,536	102	-	58	13	7,664	15	-	4768	-	-	412	-	1369	-	-	22,937
15.	Tamilnadu	99,639	86	1	199	62	26,422	342	11,818	2428	46	-	3129	5284	-	-	1440	150,896
16.	Uttar Pradesh \$	15,226	194	222	1,089	116	43,839	812	92	5590	46	2929	2226	-	2637	565	-	75,583
17.	West Bengal @	8,298	50	59	636	1,585	5,517	109	2	1845	470	-	333	-	721	-	-	19,688
18.	D.V.C.	-	-	-	-	-	-	-	-	297	-	-	-	-	2823	-	-	3,120
19. UNION TERRITORIES																		
(a)	Delhi	3,661	-	-	40	242	1,192	528	-	148	47	-	-	-	-	-	-	5,858
(b)	Andaman & Nicobar Islands.	49	-	-	15	-	-	-	-	-	-	-	-	-	-	-	-	64
(c)	Chandigarh	----- DATA -----																
(d)	Dadra & Nagar Haveli	10	-	-	-	-	26	-	-	-	-	-	-	68	-	-	-	36
(e)	Goa, Daman & Diu	519	17	12	-	-	200	-	-	386	-	-	-	-	-	-	-	1,202
(f)	Himachal Pradesh	2,256	3	80	-	-	880	3	671	383	-	-	95	-	-	-	-	4,371
											----- NOT AVAILABLE -----							

Table No. 43(Contd.)

1	2	3	4	5	6	7	8
(g) Lacadive, Minicoy & Amindivi Islands		40	-	-	-	-	-
(h) Manipur		188	-	-	-	-	210
(i) N. E. F. A.		-----DATA-----					
(j) Pondicherry		1296	11	-	-	-	30
(k) Tripura		122	-	-	-	-	210
<b>TOTAL:</b>		<b>351,749</b>	<b>1,081</b>	<b>712</b>	<b>6,977</b>	<b>3,067</b>	<b>218,862</b>

10	11	12	13	14	15	16	17	18	19	20
-	-	-	-	-	-	-	-	-	-	40
-	-	-	-	-	-	-	-	-	-	398
-----NOT-----AVAILABLE-----										
3	-	-	-	-	-	-	-	-	-	1630
-	-	-	-	-	-	-	-	-	-	332
	472	49,181	609	2930	19,590	10,626	20,425	4946	1440	717,615

\* Data for Assam Board of 1966-67 has been repeated.

\*\* Figure doubtful.

§ Lengths of lines as on 31.3.67 have been revised by the State Electricity Boards.

@ Due to non-availability of data from some of the divisions of West Bengal Board, last year data repeated in respect of these divisions.

Table No. 44

## LENGTH OF TRANSMISSION LINES(33 kV AND ABOVE) COMMISSIONED DURING 1967-68

Line voltage	Length (circuit km)	Undertaking
<u>Andhra Pradesh</u>		
220 kV	278	Andhra Pradesh State Electricity Board.
132 kV	176	
66 kV	2	
33 kV	67	
<u>Assam</u>		
No data available.		
<u>Bihar</u>		
132 kV	144	Bihar State Electricity Board. Patna Electric Supply Co. Ltd.
33 kV	709	
33 kV	23	
<u>Gujarat</u>		
220 kV	276	Gujarat Electricity Board.
66 kV	208	
33 kV	339	
<u>Haryana</u>		
132 kV	45	Haryana State Electricity Board.
66 kV	55	
33 kV	66	

Table No. 44(Contd.)

	1	2	3
<b><u>Jammu &amp; Kashmir</u></b>			
No data available.			
<b><u>Kerala</u></b>			
66 kV		2	Kerala State Electricity Board.
<b><u>Madhya Pradesh</u></b>			
220 kV		610	
132 kV		739	Madhya Pradesh State
66 kV		12	Electricity Board.
33 kV		1770	
<b><u>Maharashtra</u></b>			
132 kV		420	
110 kV		40	Maharashtra State Electricity
100 kV		8	Board.
33 kV		648	
100 kV		1	Tata Hydro Electric Power
			Supply Co. Ltd.
<b><u>Mysore</u></b>			
220 kV		517	
110 kV		227	Mysore State Electricity Board.
78/66 kV		71	
33 kV		183	

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Orissa

132 kV	56
66 kV	75
33 kV	324

Orissa State Electricity Board.

Punjab

220 kV	173
132 kV	30
66 kV	58

Punjab State Electricity Board.

Rajasthan

132 kV	156
66 kV	68
33 kV	349

Rajasthan State Electricity Board.

Tamil Nadu

230 kV	249
110 kV	231
66 kV	121
33 kV	93

Tamil Nadu State Electricity Board.

Uttar Pradesh

220 kV	170
132 kV	209
66/78 kV	66
44/38 kV	101
33 kV	916

U.P. State Electricity Board.

Table No. 44 (Concl'd.)

1	2	3
<u>West Bengal</u>		
66 kV	105	West Bengal State Electricity Board.
33 kV	45	
33 kV	14	Calcutta Electric Supply Corporation Ltd.
<u>D. V. C.</u>		
33 kV	23	Damodar Valley Corporation.
<u>Delhi</u>		
33 kV	21	Delhi Electric Supply Undertaking.
33 kV U/G	36	

Table No. 45

## INSTALLED TRANSFORMER CAPACITY UTILITIES AS ON 31-3-1968

Sl. No.	Name of the State/ Union Territory/ Power Corporation	Step-up Transformers		Step-down Transformers		Distribution Transformers		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	72	1,012.59	467	1,647.10	10,826	830.17	11,365	3,489.86
2.	Assam @	55	201.70	83	188.10	623	113.28	761	503.05
3.	Bihar	52	216.63	236	697.05	8,895	509.81	9,183	1,423.49
4.	Gujarat	80	840.57	314	1,445.85	8,466	713.98	8,860	3,000.40
5.	Haryana	3	10.00	89	312.40	5,808	337.85	5,900	660.25
6.	Jammu & Kashmir	10	28.68	16	22.50	704	57.55	730	108.74
7.	Kerala	49	692.38	114	620.15	4,585	342.71	4,748	1,655.24
8.	Madhya Pradesh	58	718.55	250	1,312.88	3,662	330.25	3,970	2,361.67
9.	Maharashtra	131	1,906.80	437	3,704.30	12,572	1,548.91	13,140	7,160.00
10.	Mysore	60	706.90	269	1,240.87	18,198	674.31	18,527	2,622.08
11.	Nagaland	2	0.30	3	0.75	24	2.60	29	3.65
12.	Orissa	23	312.28	164	763.10	1,298	141.09	1,485	1,216.46
13.	Punjab	29	1,206.50	152	804.85	8,500	678.32	8,681	2,689.67
14.	Rajasthan	56	44.93	186	271.89	3,059	279.45	3,301	596.27
15.	Tamil Nadu	94	2,048.40	377	3,546.51	22,375	1,804.24	22,846	7,399.15
16.	Uttar Pradesh	125	728.92	402	1,483.07	42,540	1,672.43 1/	43,067	3,884.42
17.	West Bengal *	98	955.79	298	1,748.35	2,773	334.38	3,169	3,038.52
18.	Damodar Valley Corporation	16	1,225.00	70	1,546.50	-	-	86	2,771.50
19. UNION TERRITORIES:									
(a)	Delhi	6	33.00	37	265.50	1,454	430.71	1,497	729.21
(b)	Andaman & Nicobar Islands	3	0.75	-	-	14	1.00	17	1.75
(c)	Chandigarh	-----DATA-----		-----DATA-----		NOT AVAILABLE		-----DATA-----	
(d)	Dadra & Nagar Haveli	-	-	-	-	9	0.80	9	0.80
(e)	Goa, Daman & Diu	2	0.21	8	17.76	123	8.72	133	26.68
(f)	Himachal Pradesh	11	4.13	21	17.26	561	26.60	593	47.98
(g)	Laccadive Minicoy & Amindivi Islands.	-----DATA-----		-----DATA-----		NOT AVAILABLE		-----DATA-----	

Table No. 45(Contd.)

1	2	3	4	5	6	7	8	9	10
(h) Manipur		8	6.82	-	-	42	2.75	50	9.57
(i) N. E. F. A.		----- DATA -----			----- NOT -----			----- AVAILABLE -----	
(j) Pondicherry		-	-	3	0.70	294	29.90	297	30.60
(k) Tripura		6	1.90	-	-	47	3.90	53	5.80
All India Total: @@		1049	12,903.70	3996	21,657.38	157,452	10,875.72	162,497	45,436.80

@ Data for Assam State Electricity Board for 1966-67 is taken for compilation as data for 1967-68 are not received.

\* Due to non-availability of data from some of the divisions of West Bengal Board, last year's data repeated in respect of them.

@@ Totals do not tally with the sum of the individual figures due to rounding off.

✓ The total capacity in kVA for distribution transformers has been estimated.



Table No. 46

## IMPORTANT TRANSFORMERS COMMISSIONED DURING 1967-68

Sl. No.	Name of State/ Union Territory/ Power Corporation	Voltage Ratio (kVA)	Unit Capacity (kVA)	No.	Aggregate Capacity (kVA)	Remarks
1	2	3	4	5	6	7
1.	Andhra Pradesh	13.8/220	65,000	2	130,000	
		11/220	25,000	7	175,000	
		<u>3</u>				
		11/33	7,500	1	7,500	
		220/132	33,330	3	100,000	
		<u>3</u>				
		132/166	40,000	1	40,000	
		132/133	7,500	3	22,500	
		132/66-33	31,500	1	31,500	Andhra Pradesh State Electricity Board.
			7,500	1	7,500	
		132/66-11	20,000	1	20,000	
		132/33-11	31,500	1	31,500	
			25,000	5	125,000	
		66/33-11	10,000	2	20,000	
			7,500	10	75,000	
		33/11	5,000	3	15,000	
		13.8/3-45	6,000	2	12,000	
2.	Assam	Data not Available				
3.	Bihar	11/33/132	12,500	1	12,500	Bihar State Electricity Board.
		10.5/33/132	60,000	1	60,000	
		33/11	-	19	113,050	

Table No. 46(Contd)

1	2	3	4	5	6	7	
		33/11	7,500	1	7,500	Sijua (Jheriah) Electricity Co. Ltd.	
4. Gujarat		132/220	50,000	2	100,000	Gujarat Electricity Board	
		66/11-0.5	10,000	2	20,000		
		66/33	10,000	3	30,000		
			7,500	1	7,500		
			5,000	2	10,000		
		66/22	5,000	2	10,000		
			7,500	1	7,500		
		66/11	5,000	3	15,000		
			15,000	1	15,000		
			10,000	1	10,000		
		66/11	7,500	2	1,500	The Surat Electricity Co.	
		66/11	12,500	2	25,000	The Ahemdabad Elec. Co.	
5. Haryana		132/33	8,000	1	8,000	Haryana State Electricity Board.	
		66/11	6,000	1	6,000		
		33/11	5,000	1	5,000		
6. Kerala		11/220	-	9	166,500	Kerala State Electricity Board.	
		66/110	8,000	1	8,000		
		220/110	-	3	12,000		
		110/66	15,000	1	15,000		
		110/11	5,000	1	5,000		
7. Madhya Pradesh		13.8/220	75,000	2	150,000		Madhya Pradesh State Electricity Board.
		33/66	15,000	1	15,000		
		10.5/220	63,000	1	63,000		
		33/11	Not given	35	40,700		
		132/33	-do-	4	146,000		
		132/66	60,000	1	60,000		
		220/33/3.3	30,000	1	30,000		
		220/13.2	-	3	120,000		
		220/132/33	125,000	1	125,000		

1	2	3	4	5	6	7
		33/11	5,000	3	15,000	Jabalpore Electricity Company.
8. Maharashtra		22/33	5,000	1	5,000	Maharashtra State Electricity Board.
		66/132	40,000	1	40,000	
		13.8/132	75,000	1	75,000	
		33/11	5,000	2	10,000	
		110/11	10,000	1	10,000	
		110/33	10,000	1	10,000	
		220/22	25,000	1	25,000	
		110/22	25,000	1	25,000	
		132/2.5	12,500	2	25,000	
		132/25	10,000	2	20,000	
		132/33	10,000	1	10,000	
		132/33	10,000	1	10,000	
		132/66	10,000	1	10,000	
		66/33	5,000	1	5,000	
		132/11	10,000	1	10,000	
		66/11	5,000	1	5,000	
		13.8/3.3	6,000	1	6,000	
		132/3.3	6,000	1	6,000	
		11/0.44	12,700	1	12,700	
		22/11	10,000	2	20,000	
		22/6.5	10,000	3	30,000	Bombay Electric Supply and Transport Undertaking.
		95/23.1	60,000	2	120,000	Tata Hydro Electric Power Supply Company Ltd.
		23/11	25,000	1	25,000	
		11/3.18	25,000	1	25,000	
		110/23.1	30,000	2	60,000	

Table No. 46(Contd.)

1	2	3	4	5	6	7
9. Mysore	110/13.2-11	5,000		1	5,000	Mysore State Electricity Board.
	110/33-11	5,000		1	5,000	
	66/132-11	1,000 to 12,500		19	114,000	
	33/11	1,000 to 5,000		10	52,500	
	11/220	99,000		2	198,000	Government of Mysore.
10. Orissa	66/33	5,000		3	15,000	Orissa State Electricity Board.
	132/11	12,500		2	25,000	
		7,500		1	7,500	
11. Punjab	132/11	5,000		1	5,000	Punjab State Electricity Board.
		Details not known		1876	225,544	
12. Rajasthan	132/33	10,000		1	10,000	Rajasthan State Electricity Board.
	132/11	6,000		1	6,000	
		7,500		1	7,500	
13. Tamil Nadu	230/110	50,000		2	100,000	Tamil Nadu State Electricity Board.
	110-66/33-11	10,000		2	20,000	
	110-66/22-11	10,000		1	10,000	
	-do-	5,000		4	20,000	
	110/66/22	10,000		1	10,000	
	-do-	6,000		3	18,000	
	110/33	25,000		4	100,000	
	-do-	10,000		2	20,000	
	-do-	5,000		1	5,000	
	110/22-11	25,000		1	25,000	
	110/22	25,000		4	100,000	
	-do-	10,000		3	30,000	
	66/33-11	5,000		2	10,000	

Table No. 46(Contd)

1	2	3	4	5	6	7	
		66.33	50,000	1	50,000	Tamil Nadu State Electricity Board	
		-do-	10,000	3	30,000		
		66/22-11	25,000	1	25,000		
		-do-	10,000	1	10,000		
		-do-	5,000	1	5,000		
		66/11	15,000	2	30,000		
		-do-	10,000	8	80,000		
		10.5/220	125,000	1	125,000		Neyveli Thermal Power Station.
		110/22	125,000	2	250,000		
14. Uttar Pradesh		132/66	20,000	1	20,000		Uttar Pradesh State Electricity Board
		132/33	16,250	2	32,500		
		132/37.5	10,000	2	20,000		
		132/11	12,500	1	12,500		
		132/6.6	20,000	2	40,000		
		66/37.5	10,000	2	20,000		
		66/11	5,000	1	5,000		
		33/11	10,000	1	10,000		
		33/6.6	30,000	1	30,000		
15. West Bengal		132/33	12,500	1	12,500	West Bengal State Electricity Board	
		33/6.6	5,000	2	10,000		
		66/11	5,000	1	5,000		
		66/33	7,500	1	7,500		
		11/66	7,067	4	28,268		
		36/6	15,000	1	15,000		Calcutta Electric Supply Company Ltd.
Damodar Valley Corporation		132/33	50,000	5	250,000	Damodar Valley Corporation	
Delhi		33/11	15,000	3	45,000		

Table No. 47

## CLASSIFICATIONS OF CONSUMERS

Sl. No.	State/ Power Corpora- tion	Domestic		Commercial Light and and Small Power		Industrial Low & Medium Voltage		Industrial Power (H. V.)		Public Lighting		Railways/ Tramways		Agricultural		Public Water Works and Sewage Pump- ing		Miscel- laneous		Total		Grand Total
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	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	13	14	15	16	17	18	19	20	21	22	23
1.	Andhra Pradesh	427,154	-	145,629	-	14,880	-	462	-	4,602	-	-	-	91,419	-	507	-	70	-	684,723	-	684,723
2.	Assam	39,218	2,800	3,260	1,166	707	7	144	37	85	2	-	-	-	-	27	1	59	44	43,500	4,057	47,557
3.	Bihar @	206,970	537	107,701	231	18,416	25	588	-	5,098	-	N.A.	N.A.	10,900	1	265	6	-	-	349,938	800	350,738
4.	Gujarat *	702,795	443	112,551	193	49,656	12	453	-	2,147	1	-	-	37,435	-	1,699	-	420	-	907,156	649	907,805
5.	Haryana	248,269	3,001	64,239	770	10,838	29	157	-	201	1	-	-	27,601	-	5	-	-	-	351,310	3,801	355,111
6.	Jammu & Kashmir	105,313	-	13,685	-	2,721	-	-	-	4	-	-	-	14	-	-	-	2	-	121,739	-	121,739
7.	Kerala	322,634	-	83,371	-	13,892	-	376	-	880	-	-	-	11,533	-	362	-	-	-	433,048	-	433,048
8.	Madhya Pradesh	295,654	2,181	59,061	1,039	19,531	55	326	-	953	6	-	-	16,171	-	400	-	-	-	392,096	3,281	395,377
9.	Maharashtra	1,117,157	-	276,142	40	48,029	-	2,519	3	4,630	-	-	-	94,954	-	766	-	37	-	1,544,234	43	1,544,277
10.	Mysore	600,095	-	64,078	-	28,375	-	330	-	5,028	-	-	-	71,418	-	695	-	-	-	770,019	-	770,019
11.	Nagaland	3,833**	-	-	-	48	-	-	-	15	-	-	-	-	-	7	-	-	-	3,903	-	3,903
12.	Orissa	70,765	-	31,840	-	3,751	-	98	-	473	-	3	-	226	-	69	-	-	-	107,225	-	107,225
13.	Punjab	544,393	6,900	132,804	11,389	26,809	335	231	-	324	-	-	-	46,047	-	30	10	-	-	750,638	18,634	769,272
14.	Rajasthan	207,930	-	69,091	-	8,544	-	83	-	868	-	-	-	14,296	-	727	-	256	-	301,795	-	301,795
15.	Tamil Nadu	986,151	-	233,289	-	57,534	-	811	-	20,954	-	2	-	345,746	-	1,355	-	6,337	-	1,652,179	-	1,652,179
16.	Uttar Pradesh	501,678	45,078	116,145	20,202	49,187	1,393	558	21	1,348	15	7	-	40,536	3	474	4	135	-	710,068	66,716	776,784
17.	West Bengal 1/	403,516	276,803	61,107	514	25,360	13,328	1,617	-	314	10	15	-	867	-	174	-	-	-	492,970	290,655	783,625
18.	D. V. C.	-	-	2	-	-	-	8	-	-	-	2	-	-	-	-	-	1	-	13	-	13
UNION TERRITORIES:																						
(a)	Delhi	374,350	4,587	67,402	2,083	11,604	101	202	-	869	46	-	-	206	-	50	-	-	-	454,683	6,817	461,500
(b)	Andaman & Nicobar Islands.2/	3,095	-	61	-	39	-	-	-	5	-	-	-	-	-	6	-	-	-	3,206	-	3,206

Table No. 47 (Contd.)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
(c) Chandigarh																						
(d) Dadra & Nagar Haveli	569\$			N.A.	N.A.	35	-	-	-	3	-	-	-	19	-	-	-	-	-	626	-	626
(e) Goa Daman & Diu	11,380@@			5,760@		431	-	-	-	50	-	-	-	31	-	9	-	-	-	17,661	-	17,661
(f) Himachal Pradesh	85,826			21,373		1,320	-	1	-	145	-	-	-	163	-	5	-	-	-	108,833	-	108,833
(g) Lacadive Mincoy & Aminidivi Islands.	766			68		3	-	-	-	8	-	-	-	-	-	-	-	-	-	845	-	845
(h) Manipur	6,218			33		91	-	-	-	6	-	-	-	-	-	4	-	-	-	6,352	-	6,352
(i) N. E. F. A.																						
(j) Pondicherry	12,615			5,668		331	-	14	-	9	-	-	-	3,850	-	143	-	-	-	22,630	-	22,630
(k) Tripura	4,600			250		216	-	-	-	2	-	-	-	2	-	1	-	-	-	5,071	-	5,071
<b>Total:</b>	<b>7,282,944</b>	<b>342,330</b>	<b>1,674,610</b>	<b>37,627</b>	<b>392,348</b>	<b>15,285</b>	<b>8,978</b>	<b>61</b>	<b>49,021</b>	<b>81</b>	<b>29</b>	<b>-</b>	<b>813,434</b>	<b>4</b>	<b>7,780</b>	<b>21</b>	<b>7,317</b>	<b>44</b>	<b>10,236,461</b>	<b>395,453</b>	<b>10,631,914</b>	

\$ = May include Commercial figures also.

\* = Ahmedabad Elect. Co. has reported less no. of domestic consumers for 1967-68 than 1966-67

\*\* = Nagaland domestic figures may include commercial as well.

1/ = Due to non-availability of data from some of the Divisions of the West Bengal State Electricity Board, 1966-67 data repeated for those divisions.

2/ = Due to non-availability of data of A & N. Deptt., 1966-67 data repeated.

@ = Due to non-availability of data from Bihar Board, 1966-67 data repeated.

@@ = Perhaps includes D.C. connections also.

£ = Data for Assam State Electricity Board for 1966-67 was received which is repeated as data for 1967-68 not received.

Table No. 48

## CLASSIFICATION OF CONNECTED LOAD

Sl. No.	State	Domestic		Commercial		Industrial LV & MV		Industrial H.V.		Public Lighting		Traction		Agricultural		Public Water Works and Sewage Pumping		Miscellaneous		Total 4/		Grand Total	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	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	13	14	15	16	17	18	19	20	21	22	23	
1.	Andhra Pradesh	229.28	-	139.65	-	169.16	-	360.30	-	9.17	-	-	-	400.60	-	14.31	-	14.72	-	1,337.19	-	1,337.20	
2.	Assam @	27.29	1.82	5.88	1.17	12.58	0.07	26.40	0.39	1.19	0.07	-	-	N.A.	-	2.30	.02	10.60	.08	86.16	3.61	89.77	
3.	Bihar 1/	115.33	0.30	85.73	0.19	198.67	0.13	247.70	-	2.66	-	N.A.	N.A.	43.08	.04	9.28	.08	-	-	702.44	0.71	703.15	
4.	Gujarat	412.97	0.06	92.39	.02	294.67	0.05	411.82	-	3.77	0.01	-	-	194.07	-	29.80	-	6.64	-	1,450.61	.14	1,450.75	
5.	Haryana	62.19	1.30	24.69	.44	132.08	.17	911.02	-	1.11	0.13	-	-	129.91	-	0.02	-	-	-	1,261.01	2.04	1,263.05	
6.	Jammu & Kashmir	15.60	-	5.19	-	23.01	-	-	-	N.A.	-	-	-	.73	-	N.A.	N.A.	-	-	44.53	-	44.53	
7.	Kerala	200.14	-	57.11	-	146.70	-	235.16	-	6.73	-	-	-	59.76	-	5.07	-	-	-	710.67	-	710.67	
8.	Madhya Pradesh	162.14	1.22	44.54	.87	146.36	0.25	263.63	-	8.51	.06	-	-	47.94	-	14.47	-	-	-	687.58	2.40	689.98	
9.	Maharashtra	854.93	-	328.80	0.17	490.54	-	1267.72	.48	21.60	-	-	-	305.63	-	28.37	-	.01	-	3,297.60	0.65	3,298.25	
10.	Mysore	230.56	-	42.72	-	156.91	-	223.84	-	13.10	-	-	-	240.44	-	17.64	-	-	-	925.20	-	925.20	
11.	Nagaland	3.75 *	-	-	-	0.64	-	-	-	.06	-	-	-	N.A.	-	0.10	-	-	-	4.56	-	4.56	
12.	Orissa	42.82	-	35.22	-	54.41	-	228.31	-	2.99	-	29.80	-	2.26	-	3.15	-	-	-	398.97	-	398.97	
13.	Punjab	170.79	5.71	75.37	3.94	295.17	1.60	236.58	-	2.43	.18	-	-	194.35	-	.41	.15	-	-	975.11	11.63	986.74	
14.	Rajasthan	119.62	.03	45.32	0.04	75.56	-	92.58	-	4.64	-	-	-	62.30	-	19.83	-	8.14	-	427.99	.07	428.06	
15.	Tamil Nadu	520.93	-	337.60	-	342.51	-	512.55	-	21.25	-	24.00	-	1162.29	-	10.94	-	58.45	-	2,990.52	-	2,990.52	
16.	Uttar Pradesh	265.58	28.71	77.79	15.38	425.64	11.59	360.32	1.26	6.30	.29	21.25	-	296.61	0.01	19.00	0.21	.07	-	1,472.56	57.45	1,530.01	
17.	West Bengal	402.79	311.97	69.63	0.40	192.55	58.51	774.42	-	6.23	4.13	28.01	-	11.04	-	31.15	-	-	-	1,515.81	375.01	1,890.81	
18.	D.V.C.	DATA										NOT						AVAILABLE					
UNION TERRITORIES:																							
(a)	Delhi	210.93	1.56	79.59	4.67	68.55	1.03	61.36	-	3.62	0.13	-	-	2.90	-	19.83	-	-	-	446.78	7.39	454.7	
(b)	Andaman & Nicobar Islands 1/	1.07	-	119.00	-	0.86	-	-	-	0.02	-	-	-	-	-	0.12	-	-	-	2.20	-	2.2	
(c)	Chandigarh	DATA										NOT						AVAILABLE					
(d)	Goa, Daman & Diu **	8.23	-	5.22	-	4.93	-	11.00	-	0.25	-	-	-	.10	-	0.81	-	-	-	30.60	-	30.60	
(e)	Dadra & Nagar Haveli	0.22	-	-	-	0.15	-	-	-	0.03	-	-	-	Neg.	-	-	-	-	-	.40	-	.40	



Table No.48 (Cont)

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23
(f) Himachal Pradesh		25.65	-	9.54	-	3.95	-	.41	-	0.34	-	-	-	0.15	-	3.70	-	-	-	43.73	-	43.73
(g) Lacadive, Minicoy & Amindivi Islands		0.35	-	0.1	-	.04	-	-	-	.016	-	-	-	-	-	-	-	-	-	0.51	-	0.51
(h) Manipur		4.79	-	.07	-	1.35	-	-	-	.023	-	-	-	N.A.	-	0.04	-	-	-	6.27	-	6.27
(i) N.E.F.A.		----- DATA -----										----- NOT AVAILABLE -----										
(j) Pondicherry		7.92	-	3.63	-	4.73	-	9.50	-	0.48	-	-	-	21.65	-	1.31	-	-	-	49.22	-	49.22
(k) Tripura		5.48	-	0.38	-	1.66	-	-	-	Neg.	-	-	-	.02	-	-	-	-	-	7.54	-	7.54
Total: 3/ 4/		4,101.34	352.68	1,566.28	27.28	3,243.30	73.46	6,234.60	2.13	121,517	4.99	103.06	-	3,175.89	0.05	231.13	0.47	98.63	.08	18,875.74	461.10	19,336.83

@ Data of Assam State Electricity Board for 1967-68 has not been received & data for 1966-67 has been repeated.

\* May include commercial figures as well.

\*\* Perhaps includes D.C. connected load also.

1/ Due to non-availability of data 1966-67 data repeated.

2/ Due to non-availability of data from some of the divisions of West Bengal Board, 1966-67 data repeated for those divisions.

3/ Excludes DVC & other data not available, as indicated.

4/ Totals do not tally with the sum of the individual figures due to rounding off.

Table No. 49(a)

**STATEMENT SHOWING THE NUMBER OF TOWNS ELECTRIFIED IN THE  
VARIOUS POPULATION GROUPS (1961 CENSUS)**

Sl. No.	Name of States/ Union Territories	POPULATION GROUPS						Grand Total Electrified
		0-4999	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
1.	Andhra Pradesh	7	70	73	51	9	11	221
2.	Assam	6	18	11	10	2	1	48
3.	Bihar	8	46	52	33	7	7	153
4.	Gujarat	8	59	54	43	9	6	179
5.	Haryana	12	15	15	11	7	1	61
6.	Jammu & Kashmir	30	6	4	1	-	2	43
7.	Kerala	1	18	32	31	5	4	91
8.	Madhya Pradesh	15	97	57	35	6	6	216
9.	Maharashtra	15	82	89	47	15	12	260
10.	Mysore	37	64	80	34	9	6	230
11.	Nagaland	-	3	-	-	-	-	3
12.	Orissa	3	25	22	8	3	1	62
13.	Punjab	20	35	23	23	4	4	109
14.	Rajasthan	8	51	52	23	4	6	144
15.	Tamil Nadu	36	95	119	61	19	9	339
16.	Uttar Pradesh	16	75	81	56	18	17	263
17.	West Bengal	12	46	44	46	19	12	179
<b>Sub-Total (States):</b>		<b>234</b>	<b>805</b>	<b>808</b>	<b>513</b>	<b>136</b>	<b>105</b>	<b>2601</b>

Table No. 49(a) Contd.

1	2	3	4	5	6	7	8	9
<b>UNION TERRITORIES</b>								
(a) Andaman & Nicobar Islands	-	-	-	1	-	-	-	1
(b) Chandigarh	-	-	1	-	-	1	-	2
(c) Dadra & Nagar Haveli	-	-	-	-	-	-	-	-
(d) Delhi	-	-	-	-	1	-	2	3
(e) Goa, Daman & Diu	-	-	3	1	1	-	-	11
(f) Himachal Pradesh	6	-	7	4	1	-	-	30
(g) Laccadive, Minicoy & Amendive Islands	18	-	-	-	-	-	-	-
(h) Manipur	-	-	-	-	-	1	-	1
(i) N. E. F. A.	-	-	-	-	-	-	-	-
(j) Pondicherry	-	-	2	1	2	-	-	5
(k) Tripura	-	-	4	1	-	1	-	6
Sub-Total (U. Ts):-	24	-	17	8	5	3	2	59
<b>GRAND TOTAL:</b>	<b>258</b>	<b>822</b>	<b>816</b>	<b>518</b>	<b>139</b>	<b>107</b>	<b>2660</b>	

Table No. 49 (b)

**STATEMENT SHOWING THE NUMBER OF VILLAGES ELECTRIFIED IN  
THE VARIOUS POPULATION GROUPS (1961 CENSUS) AS ON 31.3. 68**

Sl. No.	Name of States/ Union Territories	POPULATION GROUPS						TOTAL ELECTRIFIED		
		0-499	500-999	1000-1999	2000-4999	5000-9999	10,000 and above	No.	%	Position
1	2	3	4	5	6	7	8	9	10	11
1.	Andhra Pradesh	303	757	1438	1725	347	25	4595	17.6	7
2.	Assam +	20	30	42	40	2	-	134	0.52	17
3.	Bihar +	1346	1470	1350	850	160	15	5191*	7.7	11
4.	Gujarat	231	418	892	909	137	7	2595	14.0	8
5.	Haryana	295	329	347	272	41	2	1286	20.00	5
6.	Jammu & Kashmir	213	190	80	90	5	-	578	8.80	10
7.	Kerala	3	7	22	234	375	478	1119	71.1	1
8.	Madhya Pradesh	517	403	378	366	22	-	1686	2.40	14
9.	Maharashtra	1805	1813	1798	1176	241	22	6855	18.90	6
10.	Mysore	1874	1582	1325	727	112	-	5620	21.4	4
11.	Nagaland	2	6	5	1	-	-	14	1.7	15
12.	Orissa +	215	150	215	166	13	-	759	1.6	16
13.	Punjab +	1250	1050	1060	364	40	1	3765**	31.5	3
14.	Rajasthan +	600	400	400	285	72	-	1757	5.5	12
15.	Tamil Nadu	736	1699	2804	2471	402	96	8208	58.10	2
16.	Uttar Pradesh +	3800	3300	2500	1885	250	23	11758**	10.50	9
17.	West Bengal +	210	400	390	350	90	13	1453*	3.80	13
<b>Sub-Total (States)</b>		<b>13420</b>	<b>14004</b>	<b>15046</b>	<b>11911</b>	<b>2309</b>	<b>682</b>	<b>57372</b>	<b>10.55</b>	

Table No. 49(b)Contd.

	1	2	3	4	5	6	7	8	9	10	11
<b>UNION TERRITORIES</b>											
(a) Andaman & Nicobar Islands	25	-	-	-	2	-	-	-	27	6.80	7
(b) Chandigarh	5	5	1	1	1	1	-	-	12	38.70	4
(c) Dadra and Nagar Haveli	-	-	-	-	1	2	-	-	3	4.2	9
(d) Delhi	76	99	59	42	42	42	-	-	276	100.0	1
(e) Goa, Daman & Diu	2	6	10	24	10	24	5	1	48	19.6	5
(f) Himachal Pradesh 1918	174	174	203	2	2	2	-	-	2297	17.6	6
(g) Laccadive & Minicoy Island	-	-	-	-	-	5	-	-	5	50.0	3
(h) Manipur	17	18	40	32	40	32	1	-	108	5.80	8
(i) N. E. F. A.	25	7	4	5	4	5	-	-	41	1.17	10
(j) Pondicherry	141	78	60	21	60	21	3	-	303	78.10	2
(k) Tripura +	5	15	18	10	18	10	-	-	48	0.98	11
Sub-Total (U. Ts.)	2214	402	398	144	398	144	9	1	3168	13.35	
Grand Total:	15634	14406	15444	12055	12055	12055	2318	683	60540	10.68	

+ Population-wise break up estimated.

\* Figures provisional.

\*\* As per 1951 Census.

## ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES

Sl. No.	Industry	Total Number of Factories Covered	Installed Generating Plant Capacity as on 31.3.68 (kW)	Aggregate Maximum Demand(kW)		Energy Generated (Million kWh)			Sold to outside Agencies	Annual Load factor	Remarks
				Generated in own Power Stations	Purchased from Public Utility Undertakings	Generated in own Power Stations	Purchased from Public Utility Undertakings	Used in Industry			
1	2	3	4	5	6	7	8	9	10	11	12
1.	Aluminium (Primary)	6	22,600	14,836	272,736	110.745	1,937.796	2,039.690	-	80.97	
2.	Aluminium (Secondary)	10	630	285	10,772	0.049	58.537	58.327	-	60.22	
3.	Cement (Primary)	27	109,514	70,458	126,976	404.864	729.873	1,086.488	0.105	62.82	
4.	Cement (Secondary)	27	630	380	9,696	0.014	34.896	34.151	-	38.69	
5.	Chemicals	37	30,647	25,692	110,118	160.778	626.762	751.173	0.369	63.14	
6.	Collieries	145	47,998	31,432	101,698	150.301	454.990	592.078	1.012	50.77	
7.	Copper (Primary)	1	8,975	2,700	8,960	8.644	42.589	50.801	-	49.74	
8.	Copper (Secondary)	1	-	-	1,236	-	4.330	4.330	-	39.99	
9.	Cotton Textiles	319	116,330	53,985	537,068	234.580	2,759.369	2,947.804	19.102	56.93	
10.	Engineering	28	7,228	3,742	108,741	5.142	369.326	373.599	-	37.92	
11.	Ferro-Manganese	5	32	36	76,630	0.018	374.621	374.549	-	55.77	
12.	Fertilizers	5	82,405	62,525	217,274	395.593	1,629.816	1,981.337	3.676	80.84	
13.	Gold	1	6,700	150	15,840	0.084	97.275	97.355	-	69.50	
14.	Iron & Steel (Primary)	7	366,544	248,520	326,944	1,445.397	1,640.207	2,474.406	391.098	49.08	
15.	Iron & Steel (Secondary)	18	600	500	55,737	0.245	202.685	202.619	0.298	41.13	
16.	Jute	72	32,220	14,024	119,354	49.044	655.997	692.044	1.727	59.23	
17.	Mines	7	4,877	2,619	10,307	3.527	41.694	45.069	-	39.80	
18.	Oil & Petroleum	7	57,809	48,610	12,945	219.150	61.457	208.431	47.396	38.65	
19.	Paper	26	83,292	62,726	80,978	405.913	433.570	776.884	30.474	61.71	
20.	Silk	20	44,992	28,690	54,005	200.146	270.084	445.351	0.360	61.48	
21.	Soap	9	488	450	7,034	0.094	30.794	30.745	-	46.90	
22.	Sugar	134	172,145	114,328	24,642	234.938	46.914	264.674	3.292	21.74	
23.	Tanneries	7	757	417	5,658	0.646	22.989	20.781	-	39.05	
24.	Wool	11	3,398	1,398	10,595	3.308	43.432	46.524	-	44.28	
25.	Miscellaneous	11	6,825	4,307	13,142	5.401	27.619	32.659	-	21.37	
Total:		941	1,207,636	792,810	2,319,086	4,038.611	12,597.622	15,631.869	498.909	57.34	

## STATEWISE ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES

Sl. No.	Name of State/ Union Territory	Total Number of Factories covered	Installed Generating Plant Capacity as on 31.3.68	Aggregate Maximum Demand(kW)		Energy (Million kWh)			
				Generated in own Power Stations	Purchased from Public Utility Undertakings	Generated in own Power Stations	Purchased from Public Utility Undertakings	Used in Industry	Sold to outside Agencies
1.	Andhra Pradesh	36	62,390	43,218	63,051	176.162	355.595	483.472	31.435
2.	Assam	3	10,439	5,160	265	30.685	0.811	30.739	0.170
3.	Bihar	105	310,492	190,397	260,356	1,083.404	1,312.990	1,966.297	324.814
4.	Gujarat	112	85,052	56,448	185,447	316.499	961.343	1,205.879	44.563
5.	Haryana	8	20,183	16,576	20,107	75.857	89.231	160.554	-
6.	Jammu & Kashmir	-	-	-	-	-	-	-	-
7.	Kerala	21	18,034	13,485	104,303	64.360	667.456	725.544	-
8.	Madhya Pradesh	44	91,606	69,890	125,983	389.642	637.667	904.128	36.368
9.	Maharashtra	146	71,972	50,430	330,556	142.555	1,706.743	1,836.567	2.603
0.	Mysore	34	40,410	26,450	157,662	65.770	748.513	804.436	0.033
1.	Orissa	10	144,754	126,862	149,380	746.629	680.097	1,274.966	48.879
2.	Punjab	9	2,095	1,133	178,632	2.403	1,445.194	1,444.324	-
3.	Rajasthan	26	48,534	34,081	35,012	186.718	142.991	312.591	-
4.	Tamil-Nadu	88	35,447	19,471	139,844	61.935	827.408	860.815	-
5.	Uttar Pradesh	75	79,448	37,532	211,876	106.077	1,193.409	1,292.674	0.082
6.	West Bengal	209	158,067	80,953	334,926	476.257	1,732.030	2,132.788	9.962
<u>Union Territories:</u>									
(a)	Delhi	6	22,791	18,270	11,520	110.278	40.280	137.024	-
(b)	The Rest	9	5,922	2,454	10,202	3.380	55.864	59.071	-
<b>Total:</b>		<b>941</b>	<b>1,207,636</b>	<b>792,810</b>	<b>2,319,086</b>	<b>4,038.611</b>	<b>12,597.622</b>	<b>15,631.869</b>	<b>498.909</b>

Table No. 52

DISTRIBUTION OF GENERATING PLANT CAPACITY IN INDUSTRIAL ESTABLISHMENTS ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY

Sl. No.	Range of Installed Plant Capacity (kW)	No. of Industrial Establishments	Aggregate Installed Capacity of the Group (kW)	Percentage to total Capacity	Energy Generation by the Group (Million kWh)	Percentage to Total Energy Generated	Remarks
1.	Under 1,000	215	81,685	6.76	90,942	2.25	
2.	1,001 to 5,000	125	260,882	21.60	523,134	12.95	
3.	5,001 to 10,000	20	151,680	12.56	432,505	10.71	
4.	10,001 to 25,000	19	287,245	25.79	1,222,048	30.26	
5.	Over 25,000	5	426,144	35.29	1,769,982	43.83	
<b>Total:</b>		<b>384</b>	<b>1,207,636</b>	<b>100.00</b>	<b>4,038,611</b>	<b>100.00</b>	



TABLE - 53

## INSTALLED GENERATING PLANT CAPACITY OF SELECTED INDUSTRIES

Sl. No.	Name of State	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Copper (Primary)	Copper (Secondary)	Cotton Textiles	Engineering	Ferromanganese	Fertilizer	Gold
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	Andhra Pradesh	-	-	-	310	125	20,700	-	-	2,950	-	-	-	-
2.	Assam	-	-	-	-	-	548	-	-	-	-	-	-	-
3.	Bihar	4,150	-	32,594	-	-	18,000	8,975	-	-	-	-	-	-
4.	Gujarat	-	-	16,600	-	14,860	-	-	-	-	-	-	80,500	-
5.	Haryana	-	-	2,700	-	-	-	-	-	13,924	-	-	-	-
6.	Jammu and Kashmir	-	-	-	-	-	-	-	-	3,095	-	-	-	-
7.	Kerala	-	420	-	-	941	-	-	-	-	-	-	-	-
8.	Madhya Pradesh	-	-	14,665	-	-	5,750	-	-	341	-	-	1,200	-
9.	Maharashtra	-	-	-	150	1,369	-	-	-	17,645	-	-	-	-
10.	Mysore	-	-	10,220	-	-	-	-	-	16,128	800	-	-	-
11.	Orissa	-	210	400	-	-	3,000	-	-	5,430	3,605	32	-	6,700
12.	Punjab	-	-	-	-	-	-	-	-	-	-	-	-	-
13.	Rajasthan	-	-	30,040	-	-	-	-	-	-	-	-	545	-
14.	Tamil Nadu	-	-	2,295	170	-	-	-	-	10,036	2,371	-	160	-
15.	Uttar Pradesh	-	-	-	-	12,842	-	-	-	17,461	-	-	-	-
16.	West Bengal	18,450	-	-	-	630	-	-	-	4,322	452	-	-	-
17.	UNION TERRITORIES													
	(a) Delhi	-	-	-	-	60	-	-	-	22,731	-	-	-	-
	(b) The Rest	-	-	-	-	-	-	-	-	2,075	-	-	-	-
	TOTAL:	22,600	630	109,514	630	30,647	47,998	8,975	-	116,330	77228	32	82,405	6,700

Table - 53 -contd.

Sl. No.	Name of State	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Mines	Oil and Petroleum	Paper	Silk	Soap	Sugar	Tanneries	Wool	Miscellaneous	Total
1	2	16	17	18	19	20	21	22	23	24	25	26	27	28
1.	Andhra Pradesh	-	-	-	-	75	18,200	-	-	19,030	-	-	1,000	62,390
2.	Assam	-	-	-	-	9,516	-	-	-	-	-	-	375	10,439
3.	Bihar	120,500	-	5,185	600	24,000	-	-	-	14,968	-	-	1,020	310,492
4.	Gujarat	-	-	-	505	24,000	-	12,840	-	2,455	-	48	-	85,052
5.	Haryana	-	-	-	-	-	9,750	-	-	4,638	-	-	-	20,183
6.	Jammu and Kashmir	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Kerala	-	-	-	-	-	1,232	11,400	-	2,500	-	-	-	18,034
8.	Madhya Pradesh	36,000	-	-	-	-	580	13,250	-	3,716	-	-	-	91,606
9.	Maharashtra	-	-	-	-	-	-	4,480	488	47,163	-	-	1,394	71,972
10.	Mysore	900	-	-	-	-	5,000	-	-	8,523	-	-	-	40,410
11.	Orissa	129,144	-	-	-	-	12,000	-	-	-	-	-	-	144,754
12.	Punjab	-	-	-	-	-	-	-	-	650	-	900	-	2,095
13.	Rajasthan	-	-	-	-	-	-	3,022	-	884	-	-	2,021	48,534
14.	Tamil Nadu	-	-	-	-	-	2,500	-	-	12,554	307	-	160	35,447
15.	Uttar Pradesh	-	-	780	-	-	3,330	-	-	54,042	450	2,450	780	79,448
16.	West Bengal	80,000	600	26,255	-	218	30,700	-	-	1,022	-	-	-	158,067
<b>17. UNION TERRITORIES</b>														
	(a) Delhi	-	-	-	-	-	-	-	-	-	-	-	-	22,791
	(b) The Rest	-	-	-	3,772	-	-	-	-	-	-	-	75	5,922
<b>TOTAL:</b>		<b>366,544</b>	<b>600</b>	<b>32,220</b>	<b>4,877</b>	<b>57,809</b>	<b>83,292</b>	<b>44,992</b>	<b>488</b>	<b>172,145</b>	<b>757</b>	<b>3,398</b>	<b>6,825</b>	<b>1207,636</b>

TABLE - 54

## ENERGY CONSUMED IN THE SELECTED INDUSTRIES (MILLION kWh)

Sl. No.	Name of State	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Copper (Primary)	Copper (Secondary)	Cotton Textiles	Engineering	Ferromanganese	Fertilizer	Gold
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	Andhra Pradesh	-	-	62.659	0.009	-	64.478	-	-	16.021	4.347	117.855	-	-
2.	Assam	-	-	-	-	-	-	-	-	-	-	-	-	-
3.	Bihar	20.363	0.259	292.486	1.296	19.485	295.297	50.801	-	-	176.979	-	373.062	-
4.	Gujarat	-	-	124.766	2.853	102.495	-	-	-	851.362	3.140	-	-	-
5.	Haryana	-	-	65.469	-	-	-	-	-	20.284	2.057	-	-	-
6.	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Kerala	347.856	6.844	6.679	-	58.364	-	-	-	14.747	-	-	193.370	-
8.	Madhya Pradesh	-	-	77.820	6.351	-	51.791	-	-	137.161	5.796	-	-	-
9.	Maharashtra	-	11.763	-	7.787	200.611	2.293	-	4.330	989.171	39.802	77.478	-	-
10.	Mysore	-	-	87.699	-	0.900	-	-	-	67.016	55.716	33.461	1.559	97.355
11.	Orissa	385.204	4.171	46.360	-	-	13.569	-	-	-	-	145.755	-	-
12.	Punjab	-	-	-	-	-	-	-	-	20.819	-	-	1413.060	-
13.	Rajasthan	-	-	136.543	0.689	-	-	-	-	132.247	10.758	-	0.286	-
14.	Tamil Nadu	231.046	0.114	138.647	2.848	106.158	-	-	-	315.557	-	-	-	-
15.	Uttar Pradesh	864.713	-	47.160	-	62.296	-	-	-	167.593	4.026	-	-	-
16.	West Bengal	190.508	35.176	-	12.221	137.103	164.850	-	-	120.109	70.978	-	-	-
17.	UNION TERRITORIES													
	(a) Delhi	-	-	-	0.095	63.761	-	-	-	73.169	-	-	-	-
	(b) The Rest	-	-	-	-	-	-	-	-	22.349	-	-	-	-
	<b>TOTAL:</b>	<b>2039.690</b>	<b>58.327</b>	<b>1066.488</b>	<b>34.151</b>	<b>731.173</b>	<b>592.078</b>	<b>50.801</b>	<b>4.330</b>	<b>2947.804</b>	<b>373.599</b>	<b>374.549</b>	<b>1981.337</b>	<b>97.355</b>

Table - 54 -contd.

Sl. No.	Name of State	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Mines	Oil & Petroleum	Paper	Silk	Soap	Sugar	Tanneries	Wool	Miscellaneous	Total
1	2	16	17	18	19	20	21	22	23	24	25	26	27	28
1.	Andhra Pradesh	-	-	14.012	-	18.492	118.261	31.628	-	30.408	-	-	5.304	483.472
2.	Assam	-	-	-	-	29.928	-	-	-	-	-	-	0.811	30.739
3.	Bihar	588.291	51.427	7.400	8.048	64.013	-	-	-	15.751	-	-	1.339	1966.297
4.	Gujarat	-	-	-	0.420	54.539	8.807	48.045	-	5.381	-	3.869	-	1205.879
5.	Haryana	-	-	-	-	-	63.023	-	-	9.721	-	-	-	160.554
6.	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Kerala	-	3.225	-	-	-	11.519	81.847	-	1.093	-	-	-	725.544
8.	Madhya Pradesh	503.575	-	-	-	-	51.677	68.974	-	0.983	-	-	-	904.128
9.	Maharashtra	-	71.438	-	-	38.976	73.970	199.484	24.051	83.809	-	7.139	4.445	1836.567
10.	Mysore	345.664	-	-	-	-	78.028	0.539	0.395	12.881	0.062	23.161	-	804.436
11.	Orissa	571.497	-	-	-	-	107.192	-	-	1.418	-	-	-	1274.966
12.	Punjab	-	-	-	-	-	-	1.656	-	2.082	-	6.707	-	1444.324
13.	Rajasthan	-	0.310	-	-	-	-	12.606	-	0.351	-	-	18.601	312.591
14.	Tamil Nadu	-	3.751	-	-	-	32.213	-	-	29.019	0.921	-	0.341	860.815
15.	Uttar Pradesh	-	10.378	13.628	-	-	42.284	-	-	70.638	2.925	5.336	1.697	1292.674
16.	West Bengal	465.379	62.090	657.004	-	2.483	189.910	0.572	6.299	0.941	16.873	0.292	-	2132.788
17.	UNION TERRITORIES													
	(a) Delhi	-	-	-	-	-	-	-	-	-	-	-	-	137.024
	(b) The Rest	-	-	-	36.601	-	-	-	-	-	-	-	0.121	59.071
<b>TOTAL:</b>		<b>2474.406</b>	<b>202.619</b>	<b>692.044</b>	<b>45.069</b>	<b>208.431</b>	<b>776.884</b>	<b>445.351</b>	<b>30.745</b>	<b>264.674</b>	<b>20.781</b>	<b>46.524</b>	<b>32.659</b>	<b>15631.869</b>

TABLE - 55

## INSTALLED PLANT CAPACITY AND GENERATION BY THE INDIAN RAILWAYS

Sl. No.	Name of Railway	Installed Plant Capacity (kW)				Maximum Demand (kW)	Energy Generated (Million kWh)				Energy used for Power Station auxiliaries (Million kWh)	Fuel Consumed		
		Steam	Diesel	Hydro	Total		Steam	Diesel	Hydro	Total		Coal (Tonnes)	Furnace oil (kilo lit.)	Light/High Speed Diesel oil (kilo-litres)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1.	* Central Railway	4,580	3,734	-	8,314	2,081	4.756	2.435	-	7.191	0.554	23,792	-	934
2.	Eastern Railway	8,300	22	-	8,322	3,154	11.211	0.005	-	11.216	1.249	21,734	-	5
3.	Northern Railway	4,900	4,832	-	9,732	8,847	18.187	1.467	-	19.654	0.931	16,348	-	785
4.	North-Eastern Railway	3,000	1,769	-	4,769	3,328	0.465	0.231	-	0.696	** 0.035	1,185	-	126
5.	North-East-Frontier Railway	-	10,069	-	10,069	5,379	-	14.655	-	14.655	** 0.499	-	-	4,873
6.	Southern Railway	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	South Central Railway	-	863	-	863	285	-	1.182	-	1.182	0.012	-	-	526
8.	South-Eastern Railway	7,160	553	-	7,713	3,698	15.107	0.173	-	15.280	** 1.210	22,186	-	129
9.	Western Railway	7,800	4,470	-	12,270	5,208	8.505	3.213	-	11.718	** 0.662	14,178	-	1,245
TOTAL:		35,740	26,312	-	62,052	31,980	58.231	23.361	-	81.592	5.152	99,423	-	8,623

\* Excludes Kalyan P/House which is taken under utility undertakings.

\*\* Partly estimated.

TABLE - 56

## STATEWISE INSTALLED PLANT CAPACITY AND GENERATION BY THE INDIAN RAILWAYS

Sl. No.	Name of State	Installed Plant Capacity (kW)				Maximum Demand (kW)	Energy Generated (Million kWh)				Energy used for Power Station auxiliaries (Million kWh)	Fuel Consumed			Remarks
		Steam	Diesel	Hydro	Total		Steam	Diesel	Hydro	Total		Coal (Tonnes)	oil (kilo-litres)	Light/High Speed Diesel Oil (kilo-litres)	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1.	Andhra Pradesh	-	75	-	75	-	-	-	-	-	-	-	-	-	
2.	Assam	-	5,941	-	5,941	3,274	-	8.104	-	8.104	0.266	-	-	-	2,603
3.	Bihar	8,300	1,415	-	9,715	4,125	11.211	0.818	-	12.029	1.288	21,734	-	-	373
4.	Gujarat	3,300	1,228	-	4,528	2,103	6.463	0.581	-	7.044	0.368	8,955	-	-	194
5.	Haryana	-	687	-	687	541	-	0.142	-	0.142	0.010	-	-	-	87
6.	Jammu & Kashmir	-	-	-	-	-	-	-	-	-	-	-	-	-	-
7.	Kerala	-	-	-	-	-	-	-	-	-	-	-	-	-	-
8.	Madhya Pradesh	-	1,510	-	1,510	743	-	1.892	-	1.892	0.061	-	-	-	678
9.	Maharashtra	2,330	1,166	-	3,496	1,357	4.756	1.710	-	6.466	0.493	23,792	-	-	761
10.	Mysore	-	133	-	133	25	-	0.072	-	0.072	0.001	-	-	-	37
11.	Orissa	-	36	-	36	15	-	0.008	-	0.008	-	-	-	-	11
12.	Punjab	-	774	-	774	581	-	0.062	-	0.062	0.001	-	-	-	25
13.	Rajasthan	4,500	4,898	-	9,398	4,504	2.043	3.221	-	5.264	0.327	5,222	-	-	1,427
14.	Tamil Nadu	-	-	-	-	-	-	-	-	-	-	-	-	-	-
15.	Uttar Pradesh	10,150	4,904	-	15,054	9,633	18.651	0.781	-	19.432	0.932	17,534	-	-	362
16.	West Bengal	7,160	3,519	-	10,679	5,079	15.107	5.970	-	21.077	1.405	22,186	-	-	2,065
17. UNION TERRITORIES															
	(a) Delhi	-	26	-	26	-	-	-	-	-	-	-	-	-	-
	(b) The Rest	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL:		35,740	26,312	-	62,052	31,980	58.231	23.361	-	81.592	5.152	99,423	-	-	8,623

TABLE - 57  
ELECTRICAL ACCIDENTS DURING 1967-68

Sl. No.	Name of State or Union Territory	Generating and Sub-Stations				Transmission				Distribution				TOTAL	
		Electric Supply Undertakings		Industrial Undertakings		Electric Supply Undertakings		Industrial Undertakings		Electric Supply Undertakings		Industrial Undertakings		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	10	7	-	-	15	23	-	-	56 + 10*	47	-	1	81 + 10*	78
2.	Assam	-	2	2*	1	5 + 3*	2	-	-	6 + 2*	2	-	-	11 + 7*	7
3.	Bihar	-	1	4	3	3	1	11	2	1	2	11	18	30	27
4.	Gujarat	-	7	-	1	3	9	-	-	23 + 30*	28	-	-	26 + 30*	45
5.	Haryana	3	14	-	-	1 + 2*	10	-	-	12 + 28*	7 + 1*	1	-	17 + 30*	31 + 1
6.	Jammu & Kashmir	----- D A T A N O T A V A I L A B L E -----													
7.	Kerala	2	5	-	-	9 + 11*	9	-	-	47 + 2*	40	1	3	59 + 13*	57
8.	Madhya Pradesh	-	-	-	-	18	26 + 1*	-	1	40 + 28*	74 + 1*	-	-	58 + 28*	101 + 2
9.	Maharashtra	4 + 1*	29	-	2	20 + 3*	22	1	2	95 + 25*	75	14	11	134 + 29*	141
10.	Mysore	2	5	-	3	22	31	-	-	54	31	-	2	78	72
11.	Nagaland	----- D A T A N O T A V A I L A B L E -----													
12.	Orissa	----- D A T A N O T A V A I L A B L E -----													
13.	Punjab	----- D A T A N O T A V A I L A B L E -----													
14.	Rajasthan	----- D A T A N O T A V A I L A B L E -----													
15.	Tamil Nadu	5	26	-	-	32 + 2*	62	-	-	126 + 22*	68	1	4	164 + 24*	160
16.	Uttar Pradesh	6	25	1	1	77 + 9*	76	-	2	56 + 6*	41	11	11	151 + 15*	156
17.	West Bengal	-	6	-	-	8	3	-	1	30 + 8*	6	12	3	50 + 8*	19
18.	UNION TERRITORIES														
	(a) Delhi	-	-	-	-	-	-	-	-	1	-	6	-	7	-
	(b) Goa, Daman & Diu	-	-	-	-	-	-	-	-	2	-	-	-	2	-
	(c) Himachal Pradesh	2	1	-	-	-	4	-	-	2	3	-	-	4	8
	(d) Manipur	1	-	-	-	-	-	-	-	2 + 1*	-	-	-	3 + 1*	-
	(e) Pondicherry	-	-	-	-	-	-	-	-	4	4	-	-	4	4
	(f) Tripura	-	1	-	-	-	-	-	-	-	3	-	-	-	4
	(g) The Rest	----- D A T A N O T A V A I L A B L E -----													
19.	Mines	----- D A T A N O T A V A I L A B L E -----													
20.	Railways	-	-	1	2	-	-	10	22	-	-	6	9	17	33
TOTAL:		35 + 1*	129	6 + 2*	13	213 + 30*	278 + 1*	22	30	557 + 162*	43	63	62	896 + 195*	943 + 3*

\* Accidents to animals.

**SECTION - II**  
**FINANCIAL STATISTICS**



**STATEMENT OF CAPITAL OUTLAY (i.e.) ORIGINAL COST OF PLANT, EQUIPMENT ETC; ON ELECTRICITY SUPPLY SYSTEMS AND UNDERTAKINGS OWNED AND OPERATED BY STATE GOVERNMENT DEPARTMENTS, STATE ELECTRICITY BOARDS, POWER CORPORATIONS AND LOCAL AUTHORITIES IN THE PUBLIC SECTOR AND COMPANIES, PARTNERSHIP ETC: IN THE PRIVATE SECTOR AS ON 31ST MARCH, 1967**

**TABLE - I CAPITAL EXPENDITURE**

(Figures in Rs. lakhs)

Sl. No.	States Corporations and Union Territories	STATE OWNED				PRIVATE		TOTAL	
		Government, Boards and Corporations		Municipalities		Companies		1965-66	1966-67
		1965-66	1966-67	1965-66	1966-67	1965-66	1966-67		
1.	Andhra Pradesh	8953	12242	-	-	-	-	8953	12242
2.	Assam	3481	3772	-	-	111	112	3592	3884
3.	Bihar	5889	* 13517	-	-	591	631	6480	14148
4.	Gujarat	8333	9460	201	214	3269	3482	11803	13156
5.	Jammu & Kashmir	-	-	-	-	-	-	-	-
6.	Kerala	5121	8896	30	33	79	98	5230	9027
7.	Madhya Pradesh	6902	6963	-	-	197	201	7099	7164
8.	Maharashtra	* 9927	* 12592	3372	3713	7824	9068	21123	25373
9.	Mysore	6305	6822	-	-	150	114	6455	6936
10.	Nagaland	-	-	-	-	-	-	-	-
11.	Orissa	2713	3017	-	-	-	-	2713	3017
12.	Punjab	11894	13105	188	202	17	18	12099	13325
13.	Rajasthan	4278	5029	-	-	155	161	4433	5190
14.	Tamil Nadu	19962	23127	148	160	865	975	20975	24262
15.	Uttar Pradesh	* 25477	* 30931	219	249	1078	1152	26774	32332
16.	West Bengal	2269	5032	26	26	6914	7203	9209	12261
17.	Power Corporations (DVC & Durgapur)	14081	16288	-	-	-	-	14081	16288
18.	UNION TERRITORIES:								
	(a) Delhi	-	-	2811	3227	-	-	2811	3227
	(b) Rest	796	887	-	-	9	10	805	897
	<b>TOTAL:</b>	<b>136381</b>	<b>171680</b>	<b>6995</b>	<b>7824</b>	<b>21259</b>	<b>23225</b>	<b>164635</b>	<b>202729</b>

\* Including works-in-progress

PUBLIC ELECTRICITY INDUSTRY - CONSOLIDATED ANNUAL ACCOUNT FOR THE YEAR ENDED 31ST MARCH, 1967

TABLE - II CAPITAL ACCOUNT 1966-67

(Figures in Rs. Lakhs)

1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total	1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	<b>1. TO GENERATION ASSETS -</b>						<b>1. BY CAPITAL RAISED -</b>				
	(a) Steam Power Stations-						(a) Invested by States				
	(i) Land	594	5	116	715	G-168172	(i) Government Undertakings	195456	-	-	195456
	(ii) Buildings	5050	-	909	5959	M- 4967	(ii) Municipal Undertakings	-	6176	-	6176
	(iii) Boilers, Turbines etc.	31980	965	6288	39233	173139	Group Total	195456	6176	-	201632
G-30267 M- 764 C- 7322	(iv) Other Equipments.	2218	-	193	2411	Compa- nies	(b) Invested by Private Sector				
<u>38353</u>	Group Total	39842	970	7506	48318	O- 3711	(i) Ordinary Share Capital	-	-	4028	4028
	(b) Oil Power Stations -										
	(i) Land	168	2	4	174						
	(ii) Buildings	445	20	29	494	P- 650	(ii) Preference Share Capital	-	-	839	839
	(iii) Engine, Generators etc.	2712	183	231	3126	D- 1525	(iii) Debentures	-	-	1815	1815
G-3594 M- 195 C- 334	(iv) Other Equipments	352	-	-	352	SL- 3024	(iv) Other Secured Loan Capital	-	-	3925	3925
<u>4123</u>	Group Total	3677	205	264	4146	G- 231 M- 192 C- 175	2. By Capital Reserve	231	194	261	686
						<u>598</u>					

Table - II -contd.

1	2	3	4	5	6	7	8	9	10	11	12
<b>(c) Hydro Power Stations -</b>											
	(i) Land	600	1	72	673	G- 2617					
						M- 343					
	(ii) Buildings	3387	3	117	3507	C- 1215	3. By Consumers contribution for Service Lines	1948	374	1360	3682
						<u>4175</u>					
	(iii) Hydraulic Power Plant	19979	34	393	20406						
G-26046											
M- 76	(iv) Civil Works	10952	28	1382	12362						
C- 1915											
<u>28037</u>	Group Total	34918	66	1964	36948						
70513	Sub-Total (Generation Assets)	78437	1241	9734	89412						
G-28285											
M- 113											
C- 2051											
<u>30449</u>	2. TO TRANSMISSION ASSETS -	31511	152	2130	33793						
	3. TO DISTRIBUTION ASSETS -										
	(i) Cables and Mains	30107	1734	3815	35656						
	(ii) Sub-stations, Transformers	10991	1042	2396	14429						
	(iii) Service Lines	5351	746	2159	8256						
	(iv) Public Lighting	750	105	210	1065						
G-40609	(v) Meters, testing instruments etc.	3930	656	1177	5763						
M- 3913											
C- 8904											
<u>53426</u>	Group Total:	51129	4283	9757	65169						

Table - II -concl'd.

1	2	3	4	5	6	7	8	9	10	11	12
	4. TO GENERAL ASSETS -										
	(i) Land, Buildings and structures etc.	1754	279	302	2335						
	(ii) Office Furniture and Misc. Equipment	4645	76	211	4932						
	(iii) Workshop Plant and equipment, tools and implements	1569	39	66	1674						
G- 5659 M- 372 C- 670	(iv) Transportation & communications	1147	36	135	1318						
<u>6701</u>	Group Total:	9115	430	714	10259						
G- 1921 M- 43 C- 63	5. TO INTANGIBLE ASSETS -	1488	47	890	2425						
<u>2027</u>											
M- 1519	6. TO SPECIAL ITEMS - (Tramways in the case of Bombay)	-	1671	-	1671						
G-136381 M- 6995 C- 21259	Total Carried to General Balance Sheet	171680	7824	23225	202729						
<u>164635</u>											
						G-171020 M- 5502 C- 10300					
						<u>186822</u>	197635	6744	12228	216607	

G- GOVERNMENT  
M- MUNICIPALITIES  
C- COMPANIES  
O- ORDINARY SHARE CAPITAL  
P- PREFERENCE SHARE CAPITAL  
D- DEBENTURES  
SL- SECURED LOAN

TABLE - III REVENUE ACCOUNT - 1966-67

(Figures in Rs. lakhs)

1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total	1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	TO OPERATING EXPENSES -						BY OPERATING REVENUES				
	1. GENERATION						1. SALE OF ELECTRICITY				
G-2716 M- 180 C-1666 <u>4562</u>	(a) (i) Coal	3761	208	1716	5685	G-2999 M- 761 C-1662 <u>5422</u>	(i) Domestic and Residential	3186	830	1791	5807
G- 686 M- 21 C- 103 <u>810</u>	(ii) Oil	270	37	71	378	G-1613 M- 549 C- 707 <u>2869</u>	(ii) Commercial	2014	609	688	3311
G- 215 M- 8 C- 27 <u>250</u>	(iii) Consumable Stores	211	6	27	244	G-7091 M- 626 C-4215 <u>11932</u>	(iii) Industrial	9519	683	4818	15020
G- 575 M- 34 C- 199 <u>808</u>	(b) Salaries and Wages	544	51	212	807	G- 447 M- 39 C- 107 <u>593</u>	(iv) Public Lighting	524	45	113	682
G- 508 M- 20 C- 222 <u>750</u>	(c) Repairs and Maintenance	541	12	292	845	G- 248 M- 77 C- 142 <u>467</u>	(v) Public Water works and Sewage Pumping	270	99	168	537

Table - III -contd.

1	2	3	4	5	6	7	8	9	10	11	12
G-4261 M- 916 C-2376 <u>7553</u>	(d) Purchase of Energy	4780	1016	2762	8558	G-1923 M- 14 C- 142 <u>1985</u>	(vi) Irrigation	2232	13	48	2293
<b>2. TRANSMISSION</b>											
G- 214 M- 4 C- 37 <u>255</u>	(a) Salaries and Wages	271	4	43	318	G- 486 M- 1 C- 62 <u>549</u>	(vii) Traction	565	1	63	629
G- 124 M- - C- 18 <u>142</u>	(b) Repairs and Maintenance	126	-	18	144	G-5858 M- 173 C-1084 <u>7115</u>	(viii) Supplies in Bulk to Distributing Licensees	6389	213	1148	7750
<b>3. DISTRIBUTION</b>											
G- 770 M- 141 C- 259 <u>1170</u>	(a) Salaries and Wages	1064	161	303	1528	G- 346 M- 63 C- 105 <u>514</u>	2. METER AND OTHER RENTALS	376	67	111	554
G- 609 M- 65 C- 174 <u>848</u>	(b) Repairs and Maintenance	641	72	209	922	G- 32 M- 3 C- 7 <u>42</u>	3. SERVICE CONNECTION FEES	147	2	10	159
G- 84 M- 16 C- 44 <u>144</u>	(c) Public Lighting (Attendance repairs and renewals)	74	18	56	148	G- 15 M- 31 C- 17 <u>63</u>	4. PUBLIC LIGHTING MAINTENANCE	26	45	19	90

Table - III -contd.

1	2	3	4	5	6	7	8	9	10	11	12
	4. CONSUMERS SERVICING (Billing accounting etc.)										
						G- 881 M- 73 C- 124 <u>1078</u>	5. MISCELLANEOUS RECEIPTS	1623	125	195	1943
G- 74 M- 8 C- 30 <u>112</u>	(a) Salaries and Wages	144	10	49	203						
G- 126 M- 90 C- 173 <u>389</u>	(b) Other Expenses	177	101	202	480						
	5. GENERAL ESTAB- LISHMENT CHARGES										
G- 520 M- 45 C- 152 <u>717</u>	(a) Salaries and Wages	928	56	165	1149						
G-2045 M- 171 C- 467 <u>2683</u>	(b) Other expenses (including Provi- dent Fund etc.)	2223	213	543	2979						
	6. MANAGEMENT EXPENSES										
C- 9	(a) Directors fee and expenses	-	-	13	13						

Table - III -concl'd.

1	2	3	4	5	6	7	8	9	10	11	12
C- 84	(b) Managing Agents Ordinary Remunera- tion and Office Allowances	-	-	88	88						
	7. ADMINISTRATION										
M- 72	Members Remunera- tion and other expenses (L.A.)	-	77	-	77						
G-2801 M- 136 C- 598 <u>3535</u>	8. DEPRECIATION	3764	163	619	4546						
G-16328 M- 1927 C- 6638 <u>24893</u>	TOTAL OPERATING EXPENSES	19519	2205	7388	29112						
G-5611 M- 483 C-1642 <u>7736</u>	TO BALANCE CARRIED OVER	7352	527	1784	9663						
G-21939 M- 2410 C- 8280 <u>32629</u>	TOTAL	26871	2732	9172	38775	G-21939 M- 2410 C- 8280 <u>32629</u>	26871	2732	9172	38775	



NET REVENUE AND APPROPRIATION ACCOUNTS

TABLE - IV

						(Figures in Rs. lakhs)					
1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total	1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	The Appropriation (Applicable to Local Authority Licensee only)					G-5611 M- 483 C-1642 <u>7736</u>	By Balance brought forward from Revenue Account	7352	527	1734	9663
M- 66	(a) Interest on loan Capital	-	68	-	68	G- 122 M- 14 C- 41 <u>177</u>	By interest on Securities and investment	166	25	39	231
M- 27	(b) Instalment of redemption of loan capital	-	24	-	24		By deficit on inciden- tal business (Tramways and Omnibuses of Bombay Municipality)	-	(-) 126	-	(-) 126
M- 100	(c) General Rates	-	97	-	97	M-(-)162					
M- 2 M- 417 <u>419</u>	To taxes on income and profits	-	1	590	591	M- 174 C- 50 <u>224</u>	By Balance of Profit brought forward from previous year	-	100	55	155
G- 4 M- - C- 12 <u>16</u>	To instalment of write down in respect of intangible assets	19	-	36	55	G-5173	By Balance carried over to General Balance Sheet	7138	-	-	7138
M- 6 C- 71 <u>77</u>	To contribution towards contingen- cies reserve	-	6	62	68						
G- 27 C- 137 <u>164</u>	To Development Reserve	51	-	32	83						

Table - IV -contd.

1	2	3	4	5	6	7	8	9	10	11	12
C- 31	To Appropriation to Tariffs and Dividends Control Reserve	-	-	16	16						
M- 6 C- 29 <u>35</u>	To Appropriations to Consumers rebate reserve	-	13	7	20						
M- 1 C- 6 <u>7</u>	To Special Appropriations permitted by State Government	-	-	7	7						
G- 891 M- 52 C- 287 <u>1230</u>	To other Appropriations	997	46	286	1329						
	To Appropriation towards interest paid and accrued and dividends paid and payable										
M- 14 C- 89 <u>103</u>	(a) Interest on debentures	-	-	112	112						
G-6139 M- 77 C- 179 <u>6395</u>	(b) Interest on other Secured loans	7818	116	209	8143						
G- 24 M- 3 C- 21 <u>48</u>	(c) Interest on Consumers Security Deposits	28	4	25	57						
G- 108 M- 14 C- 70 <u>192</u>	(d) Interest on unsecured loans, advances, deposits, bank over-drafts etc.	16	15	84	115						

Table - IV -concl'd.

	1	2	3	4	5	6	7	8	9	10	11	12
C- 28	(e) Dividends on Preference Share Capital	-	-	39	39							
C- 300	(f) Dividends on ordinary Share Capital	-	-	308	308							
G-3713 M- 26 C- 43 <u>3782</u>	To Balance of loss brought forward	5727	-	27	5754							
M- 115 C- 13 <u>128</u>	To Balance carried over to General Balance Sheet	-	137	38	175							
G-10906 M- 509 C- 1733 <u>13148</u>	Total	14656	527	1878	17061							
						G-10906 M- 509 C- 1733 <u>13148</u>	Total	14656	527	1878	17061	

GENERAL BALANCE SHEET AS AT 31ST MARCH, 1967

TABLE - V

						(Figures in Rs. lakhs)					
1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total	1965-66	Particulars	Government Departments/ Boards/Power Corporations	Munici- palities	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
186822	Fixed Capital raised and appropriated as per the Capital Account	197635	6744	12228	216607	164635	Capital Expenditure on works as per the Capital Accounts	171680	7824	23225	202729
3058	Capital Redemption Sinking Fund and other Reserves	1790	1455	522	3767	26193	Less Accumulated provisions for Depreciation	20959	1775	7263	29997
	<b>RESERVES AND SURPLUS</b>					138442	<b>NET BLOCK</b>	150721	6049	15962	172732
7558	Non-Statutory Reserve	4780	1171	1939	7890	99	Balance of written down cost of obsolete and inadequate assets	39	52	48	139
59	Special appropriation (as permitted by State Govt.)	-	1	52	53						
586	Contingencies Reserve Fund	3	63	568	634	39607	<b>CURRENT ASSETS</b>				
397	Tariffs and Dividends Control Reserve	128	148	93	369		Capital Works in Progress	33440	1903	702	36045
248	Consumers Rebate Reserve	1	103	165	269	407	Stores and Materials in Hand				
802	Development Reserve	248	4	669	921	18696	(a) Fuel Coal and/or Oil at cost	666	63	107	836
							(b) General Stores at a Below Cost	18340	1102	1237	20679

Table - V -contd.

1	2	3	4	5	6	7	8	9	10	11	12
128	Balance of net revenue and appropriation account	-	137	938	175	5913	Sundry debtors for Electricity Supplied	4732	809	1361	6902
	<u>Current Liabilities and Provisions</u>					16973	Other Debtors	10076	97	491	10664
12144	Creditors on open account	7869	429	913	9211	6379	Accounts receivable	10714	737	80	11531
4551	Consumers Security Deposits	3894	456	931	5281		Investment in Statutory Securities at cost				
23816	Accounts Payable	26690	1221	1767	29678		(a) Contingencies Reserve Fund investment - (Market value on closing date)	-	9	525	534
343	Balance due to construction of plant and machinery	714	8	79	801						
4384	Temporary accommodations Bank over drafts and other finances	1088	273	1178	2539	5510	(b) Other Investment (Market value on closing date)	3034	952	142	4128
							<b>SPECIAL DEPOSITS</b>				
						111	(a) In respect of taxation	-	3	175	178
						542	(b) Other	913	24	27	964

Table - V -concl'd.

1	2	3	4	5	6	7	8	9	10	11	12	
							BALANCE AT BANK					
				1596	(a) Deposit Account		1401	215	82		1698	
				3184	(b) Current Account and at Call		2548	128	171		2847	
				532	Cash in Hand		965	70	23		1058	
					<u>Debit Balance</u>							
				243	Deferred payments		113	-	9		122	
				5173	Debit Balance of net revenue and appropriaton account		7138	-	-		7138	
244896	TOTAL	244840	12213	21142	278195	244896	TOTAL	244840	12213	21142	278195	

AVERAGE PRICE OF ELECTRICITY

TABLE - VI

Sl. No.	Category of Sale	kWh sold in 1966-67 (Million)	Revenue Realised in Rupees (Lakhs)	Revenue Realised per kWh sold (Paise)
1.	Domestic and Commercial premises for Lighting, heating, small power etc.	4676	9800	20.96
2.	Industrial and Traction.	22204	16186	7.29
3.	Agricultural	2100	2293	10.92
4.	TOTAL	28980	28279	9.76
4.	Miscellaneous Revenue	-	3977	-
5.	All purposes	28980	31256	10.79

Note:- About 148 Million kWh sales have been excluded corresponding to those few Electrical Undertakings from where financial data have not been reviewed.

**SOME IMPORTANT FINANCIAL FEATURES FOR THE YEARS 1964-65 TO 1966-67**

**TABLE - VII**

Sl. No.	Particulars	Units	1965	1966	1967
1.	Installed Plant Capacity	kW	7,310,200	8,513,447	9,538,638 *
2.	Average Cost per kW installed	Rs.	1,739	1,934	2,125
3.	Number of Consumers	No.	7,708,879	8,678,651	9,596,595 *
4.	Average Capital Outlay per Consumer	Rs.	1,649	1,897	2,113
5.	Maximum Demand	kW	6,257,197	6,911,392	7,784,908 *
6.	Average Capital Outlay on transmission distribution etc. per kW on maximum demand	Rs.	1,206	1,340	1,434

\* About 650,476 kW, 506,663 kW and 125,356 - Installed Plant Capacity Maximum Demand and Consumers have been excluded corresponding to those few Electrical Undertakings from where data have not been received.



CONSOLIDATED CAPITAL OUTLAY BY OWNERSHIP FOR THE YEARS 1962-63 TO 1966-67

TABLE - VIII

Particulars	1963		1964		1965		1966		1967	
	Outlay Rs. lakhs	Per- centage of total	Outlay Rs. lakhs	Per- centage of total	Outlay Rs. lakhs	Per- centage of total	Outlay Rs. lakhs	Per- centage of total	Outlay Rs. lakhs	Per- centage of total
1	2	3	4	5	6	7	8	9	10	11
Public Sector	86,797	83	96,459	84	108,286	85	143,376	87	179,504	89
Private Sector	17,309	17	18,870	16	18,814	15	21,259	13	23,225	11
<b>TOTAL:</b>	<b>104,106</b>	<b>100</b>	<b>115,329</b>	<b>100</b>	<b>127,100</b>	<b>100</b>	<b>164,635</b>	<b>100</b>	<b>202,729</b>	<b>100</b>

Table - VIII -contd.

Table - VIII -contd.

CONSOLIDATED CAPITAL OUTLAY OF ELECTRICITY SUPPLY  
UNDERTAKING FOR THE YEARS 1962-63 TO 1966-67

Particulars	Units						
	1963	1964	1965	1966	1967		
1	2	3	4	5	6	7	
On Electrical Works (Rs. lakhs)	102,635	113,910	125,619	163,116	201,058		
Non-Electrical Works like Tramways and Omni-bus (Rs. lakhs)	1,471	1,419	1,481	1,519	1,671		
<b>TOTAL:</b>	<b>104,106</b>	<b>115,329</b>	<b>127,100</b>	<b>164,635</b>	<b>202,729</b>		

**APPENDIX**  
**ADDRESSES OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS**  
**AND SYSTEM OF SUPPLY AS ON 31.3.1968**

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

BOARD

1. Andhra Pradesh State  
Electricity Board.

(a) Hydro Electric Power  
Stations

1. Nizamsagar	220,000	3 ph. A. C.
2. Upper Sileru	132,000	3 ph. A. C.
	66,000	3 ph. A. C.
	33,000	3 ph. A. C.
	11,000	3 ph. A. C.
	6,600	3 ph. A. C.
	3,300	3 ph. A. C.
	400	3 ph. A. C.
	230	1 ph. A. C.

(b) Thermal Power Stations

1. Gas turbine, Erragadda	The Chief Engineer, Electricity, Andhra Pradesh Electricity Board, opposite Bella Vista, P.O. Hyderabad-4.
2. Hussainsagar	
3. Nellore	
4. Ramagundam	
5. Vijayawada	
6. Kothagudam	

(c) Diesel Stations

1. Araku
2. Ashwaraopet
3. Ieez
4. Venkatapuram
5. Mahboobnagar
6. Nirmal
7. Nizamabad

1	2	3	4	5
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GOVERNMENT  
DEPARTMENT

2. Hydro Electric Power  
Station

1. Machkund

The Project  
Assistant Engineer,  
Generation,  
Machkund Power  
House  
P. O. Onukudelli  
(Orissa)

2. Tungabhadra Dam

The Superintending Engineer,  
Tungabhadra Dam,  
(via Hospet)  
Bellary Distt.  
Mysore State.

66,000 3 ph. A. C.  
11,000 3 ph. A. C.  
400 3 ph. A. C.  
230 1 ph. A. C.

3. Hampi

ASSAM

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

BOARD

1. Assam State Electricity Board.

(a) Hydro Electric Power Stations.

1. Umtru	132,000	3 ph. A. C.
2. Umiuam	66,000	3 ph. A. C.
	33,000	3 ph. A. C.
	11,000	3 ph. A. C.
	400	3 ph. A. C.
	230	1 ph. A. C.

(b) Thermal Power Stations.

The Chief  
Engineer, Assam  
State Electricity  
Board, Uzan Bazar,  
Gauhati - 1.

1. Gas turbine Gauhati
2. Gas turbine Namrup  
(Naharkatia)

(c) Diesel Power Stations.

1. Aizal
2. Abhoyapuri
3. Chaili
4. Dergaon
5. Diphu
6. Doom-Dooma
7. Dhekiajhuli

1	2	3	4	5
BOARD - contd.				
	8. Golaghat			
	9. Golpara			
	10. Hailakandi			
	11. Hojai			
	12. Jowai			
	13. Kokrajhar			
	14. Mangaldai			
	15. Nalbari			
	16. Sualkuchi			
	17. Tura			
	18. Sibsagar			
	19. North Lakhimpur			
	20. Halflong			
	21. Karimganj			
	22. Tezpur			
	23. Kodomoni (Dibrugarh)			
	24. Nowgong			
	25. Gauhati			
	26. Jorhat			
2.	Dibrugarh	The Dibrugarh Electric Supply Co. Private Ltd., P.O. Rehabari, P. B. No. 9, Dibrugarh.	550 220	D. C. 3 Wire D. C. 2 Wire
3.	Shillong	The Shillong Electric Ltd., M/A. Develop- ment of Industries (India) Private Ltd., 135, Prinsep Street, Calcutta-13.	3300 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
4.	Silchar	The Silchar Electric Supply Ltd., M/A. M/S. Sarada Charan Barda Kanta Roy, Silchar.	11000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
5.	Tinsukia	The Tinsukia Elec. Supply Co. Ltd., P.O. Senairam Bazar, Tinsukia.	11000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.





BIHAR

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

BOARD

1. Bihar State Electricity Board.

(a) Thermal Power Stations.

1. Barauni
2. Patratu

(b) Diesel Power Stations.

	The Chief Electrical Engineer, Bihar State Electricity Board, Patna.	132,000	3 ph. A. C.
		33,000	3 ph. A. C.
		11,000	3 ph. A. C.
1. Simdega		6,600	3 ph. A. C.
2. Netarhat		3,300	3 ph. A. C.
3. Gumla		400	3 ph. A. C.
4. Saharsa		230	1 ph. A. C.
5. Kishanganj			
6. Forbesganj			
7. Bairania			
8. Sakri			
9. Hazipur			
10. Chakia			
11. Chapra			
12. Bettiah			
13. Mirganj			
14. Katihar			
15. Samastipur			

POWER CORPORATION

2. Damodar Valley Corporation.	The Chief Electrical Engineer, Damodar Valley Corpn. Anderson House, Alipore, Calcutta-27.	132,000	3 ph. A. C.
		33,000	3 ph. A. C.
		11,000	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.

1	2	3	4	5
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POWER CORPORATION - contd.

(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., M/A.	11,000	3 ph.A.C.
		M/s. Octavious Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1.	400	3 ph.A.C.
			230	1 ph.A.C.
4.	Chaibasa	The Chaibasa Electric Supply Co.,	11,000	3 ph.A.C.
		C/O M/s. Madan Gopal, Chaibasa.	400	3 ph.A.C.
			230	1 ph.A.C.
5.	Chirkunda	The Chirkunda Electric Supply Co. P.O. Barakar, District Burdwan.	400	3 ph.A.C.
			230	1 ph.A.C.
6.	Darbhanga Laherisarai	The Darbhanga Laherisarai Electric Supply Corporation Ltd.,	3,300	3 ph.A.C.
		M/A. M/s. Baroliya Bros., Darbhanga.	400	3 ph.A.C.
			230	1 ph.A.C.
7.	Jharia Coal Field	The Jharia Coal Field Electric Supply Co. Private Ltd.,	11,000	3 ph.A.C.
		P. B. No. 16,	6,600	3 ph.A.C.
		Dhanbad.	400	3 ph.A.C.
			230	1 ph.A.C.

1	2	3	4	5
COMPANIES - contd.				
8.	Jugsalai	The Jugsalai Electric Supply Co., C/O M/s. Mangilal Rungta, Jugsalai (Tatanagar), S.E. Railway.	3,300 400 230	3 ph.A.C. 3 ph.A.C. 1 ph.A.C.
9.	Muzaffarpore	The Muzaffarpore Electric Supply Co., Ltd., M/A.M/s. Octavious Steel & 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
10.	Patna	The Patna Electric Supply Co. Ltd., M/A. M/s. Octavious Steel & Co., Ltd.,	11,000 3,300 400 230	3 ph.A.C. 3 ph.A.C. 3 ph.A.C. 1 ph.A.C.
11.	Ranchi	The Ranchi Electric Supply Co. Ltd., M/A. M/s. Budhia Brothers, Private Ltd., Main Road, Ranchi.	6,600 400 230	3 ph.A.C. 3 ph.A.C. 1 ph.A.C.
12.	Sijhua (Jherriah)	The Sijhua (Jherriah) Electric Supply Co., Ltd., M/A. M/s. Bird & Co. (P) Ltd., P.O. Bansjora (District Dhanbad).	11,000 6,600	3 ph.A.C. 3 ph.A.C.

**GUJARAT**

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

**BOARD**

**1. Gujarat Electricity Board.**

**(a) Steam Power Stations.**

1. Kandla	The Chief	220,000	3 ph. A. C.
2. Porbandar	Engineer, the	132,000	3 ph. A. C.
3. Sikka	Gujarat Electricity	66,000	3 ph. A. C.
4. Shahpur	Board, Race Course,	33,000	3 ph. A. C.
5. Utran	Baroda-1.	22,000	3 ph. A. C.
6. Dhuvran		11,000	3 ph. A. C.

**(b) Diesel Power Stations.**

		3,300	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.

1. Kothara
2. Rahpar
3. Mundra
4. Dhari
5. Surendranagar
6. Jamjodhpur
7. Bhanwad
8. Bagasara
9. Devgadh Baria
10. Santrampur
11. Dwarka
12. Radhanpur
13. Deesa
14. Jasdan
15. Jamkhamholia
16. Nakhtrana
17. Chota Udaipur
18. Vijapur

1	2	3	4	5
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BOARD - contd.

19. Bhuj	The Chief Engineer,
20. Vallabha Vidyanagar	the Gujarat Electricity
21. Mandvi	Board, Race Course
22. Gandvi	Baroda-1.
23. Savarkundla	
24. Mehua	
25. Ambaji	
26. Dhoraji	
27. Jamnagar	
28. Veraval	
29. Palitana	
30. Porbander	
31. Lathi	
32. Rajkot	
33. Morvi	
34. Botad	
35. Gadhada	
36. Rajula	
37. Vapi	
38. Udwada	
39. Halvad	
40. Sankheda	
41. Jetpur	
42. Wankaner	
43. Sidhpur	
44. Rajpipla	

MUNICIPALITIES

2. Baroda	The Electrical	11,000	3 ph. A. C.
	Engineer, Department	400	3 ph. A. C.
	of Electricity, Baroda	230	1 ph. A. C.
	Borough Municipality, Post Box No. 17, Baroda-1.		
3. Bhadran	The President,	11,000	3 ph. A. C.
	Bhadran Municipality,	400	3 ph. A. C.
	Bhadran.	230	1 ph. A. C.

1	2	3	4	5
MUNICIPALITIES - contd.				
4. Jhalod	Jhalod Gram Panchayat, Jhalod Distt. Panchmahal.	400 230	3 1	ph. A. C. ph. A. C.
5. Karjan	The President, Karjan Municipality, Karjan.	400 230	3 1	ph. A. C. ph. A. C.
6. Nar	The Electrical Engineer, Nar Gram Panchayat, Nar (Via Anand).	400 230	3 1	ph. A. C. ph. A. C.
7. Palanpur (Iqbal)	The Electrical Engineer, the Iqbal Electric Supply Municipal Power House, Palanpur.	11,000 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.
8. Patan	The Electrical Engineer, Patan Municipality, Patan.	11,000 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.
9. Petlad	The Electrical Engineer, Petlad Municipality, Petlad.	400 230	3 1	ph. A. C. ph. A. C.
10. Sojitra	The President, Sojitra Nagar Panchayat, Sojitra.	11,000 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.
11. Vadnagar	The Chief Officer, Electricity Department, Vadnagar Municipality, Vadnagar.	400 230	3 1	ph. A. C. ph. A. C.
12. Visnagar	The Chief Officer, Visnagar Municipality, Visnagar.	11,000 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.

1	2	3	4	5
COMPANIES				
13. Ahmedabad	The Ahmedabad Electricity Co. Ltd., M/A.	66,000	3 ph. A. C.	
	M/s. Killick Industries Ltd., Electricity House, Lal Darwaja, Ahmedabad-1.	11,000	3 ph. A. C.	
		3,300	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	
14. Anand	The Anand Electric Supply Co., Ltd., M/s. Sonawala Co. Ltd., Sonawala Buildings, 459, Apollo Street, Fort, Bombay-1.	3,300	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	
15. Bardoli	Shree Sardar Kheti Sahayak Sahakari Vidyut Mandal Ltd., Bardoli (District Surat).	3,300	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	
16. Bulsar	The Amalgamated Electricity Co. Ltd., (Bulsar Branch)M/A. M/s. N. C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Bombay-1.	11,000	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	
17. Bilimora	The Bilimora Electric Power Supply Co., Ltd., Bilimora.	11,000	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	
18. Bhavnagar	The Bhavnagar Electricity Co. Ltd., P.O. Box No. 45, Bhavnagar.	11,500	3 ph. A. C.	
		3,300	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	
19. Broach	The Broach Electric Supply & Development Corporation Ltd. M/s. The Rajputana Textile: (Agencies) (P) Ltd., Esplanade Mansions, 144-146, Mahtama Gandhi Road, Fort, Bomday-1.	3,300	3 ph. A. C.	
		400	3 ph. A. C.	
		230	1 ph. A. C.	

1	2	3	4	5
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COMPANIES - contd.

20. Dabhoi	The Dabhoi Electric Supply Co., C/o Seth Girdhari Lal Moti Lal Contractor, Dabhoi, District Baroda.	400 220	D. C. 3 Wire D. C. 2 Wire
21. Dakor Umreth	The Dakor-Umreth Electricity Co. Ltd., Dakor.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
22. Dohad	The Amalgamated Electricity Co. Ltd., (Dohad Branch) M/A. M/s. N. C. Javeri & Co., P. O. Box No. 879, 17-B, Horniman Circle, Bombay-1.	6,600 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
23. Godhra	The Godhra Electricity Co. Ltd., M/A. M/s. Udayan & Co., Power House, Godhra.	3,300 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
24. Gandhidham	The Sindhu Resettlement Corporation Ltd., Power Supply Department, Adipur.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
25. Jambusar	The Jambusar Electric Supply Co. Ltd., Sarodi Bhagal, Jambusar (District Broach).	400 230	3 ph. A. C. 1 ph. A. C.
26. Kadi	The Kadi Electric Supply Co. Ltd., M/A. M/s. Parik & Co. Kadi.	400 230	3 ph. A. C. 1 ph. A. C.
27. Kalol	The Kalol Electric Supply & Industrial Co. Ltd., Power House, Kalol (North Gujarat).	1,100 230	3 ph. A. C. 1 ph. A. C.



1	2	3	4	5
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COMPANIES - contd.

28. Kapadwanj	The Kapadwanj Town Co-operative Electricity Association Ltd., Sardar Baug, Kapadwanj.	22,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
29. 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.
30. Lunawada	Lunawada Electric Supply Cooperative Society Ltd., Lunawada.	400 230	3 ph. A. C. 1 ph. A. C.
31. Nadiad	The Nadiad Electric Supply Co. Ltd., M/A. M/s. Sonawala Co. Ltd., Sonawala Building, 59 Apollo Street, Bombay-1.	11,000 460 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
32. Navsari	The Navsari Electric Supply Co. Ltd., M/A. M/s. Ardeshir Modi and Co. Navsari.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
33. Rander	The Rander Electric Supply Co. Ltd., M/A. M/s. Sunder-rao Moreshwar Co. Lal Baug, Rander, District Surat.	400 230	3 ph. A. C. 1 ph. A. C.
34. Sanad	The Sanad Electric Supply Co. Private Ltd., M/A. M/s. Ranchodlal Chandu Lal & Co., Station Road, Sanad.	400 230	3 ph. A. C. 1 ph. A. C.
35. Sihor	The Sihor Electric Works Ltd., the Tapi Electric Supply & Industrial Co., Sihor.	400 230	3 ph. A. C. 1 ph. A. C.

1	2	3	4	5
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COMPANIES - conclud.

36. Surat	The Surat Electricity Co. Ltd., Central Administration Department, M/A.	11,000	3 ph. A. C.
	M/s. Killick Industries Ltd., 5 Graham Road (4th floor), Ballard Estate, (P.O. Box No. 199), Bombay-1.	3,300	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.
37. Vallabh- Vidyanagar	M/s. Charotar Gramodhar-Sahakari Mandal Ltd., Vallabh Vidyanagar.	11,000	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.
38. Viramgam	The Viramgam Electric Supply Co. Ltd., M/A.	11,000	3 ph. A. C.
	M/s. Saifee & Co., Mandal Road, Viramgam.	3,300	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.
39. Vyara-Kanpura	The Vyara-Kanpura Electric Supply Co-operative Society Ltd., Vyara, District Surat.	400	3 ph. A. C.
		230	1 ph. A. C.

## HARYANA

Sl. No.	Name of the Undertaking/Power Station	Address of Undertaking	System & Supply	
			Voltage	A.C. or D.C. & Phases

### BOARD

1.	Haryana State Electricity.	Chief Accounts Officer, Haryana State Electricity Board, Chandigarh.	132,000	3 ph. A. C.
			66,000	3 ph. A. C.
			33,000	3 ph. A. C.
			11,000	3 ph. A. C.
			3,300	3 ph. A. C.
			400	3 ph. A. C.
			230	1 ph. A. C.

### Thermal Power Stations

1. Faridabad(New)
2. Faridabad (Old)
3. Surajpur
4. Yamuna Nagar

### Diesel Power Stations

1. Bahadurgarh
2. Sonapat
3. Panipat
4. Ambala(New)
5. Ambala (old)
6. Faridabad
7. Kaithal
8. Rewari

### COMPANIES

1.	Loharu	The Loharu Electric & Water Supply Co. (Private) Ltd., P.O. Loharu, Distt. Hissar.	400	3 ph. A. C.
			230	1 ph. A. C.
2.	Sirsa	The Sirsa Electric Supply Co., C/o Lal Chand Minda, Sirsa.	3,300	3 ph. A. C.
			400	3 ph. A. C.
			230	1 ph. A. C.

**JAMMU & KASHMIR**

Sl. No.	Name of the Undertaking/Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases

1. Electricity Department  
J. & K.

(a) Hydro Power Stations.

1. Mohra	The Chief Engineer,	66,000	3 ph. A. C.
2. Jammu	Electricity Depart-	33,000	3 ph. A. C.
3. Ganderbal	ment, Jammu &	11,000	3 ph. A. C.
4. Poonch	Kashmir, Jammu.	6,600	3 ph. A. C.
5. Udhampur		400	3 ph. A. C.
		230	1 ph. A. C.

(b) Diesel Power Stations.

1. Cupwara
2. Barmulla
3. Ramnagar
4. Dargaon
5. Jammu
6. Bardoli.

KERALA

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

BOARD

1. Kerala State Electricity Board.

(a) Hydro Power Stations.

1. Neriamangalam	The Chief Engineer,	220,000	3 ph. A. C.
2. Pallivasal	Kerala State Electri-	110,000	3 ph. A. C.
3. Poringalkuthu	city Board P. O. Box	66,000	3 ph. A. C.
4. Sengulam	No. 65, Trivandrum	33,000	3 ph. A. C.
5. Penniar		22,000	3 ph. A. C.
6. Sholayar		11,000	3 ph. A. C.
7. Sabirigiri		3,300	3 ph. A. C.
		400	3 ph. A. C.
(b) Diesel Power Station.		230	1 ph. A. C.

1. Pulluruthy

MUNICIPALITY

2. Trichur	The Commissioner,	11,000	3 ph. A. C.
	Trichur Municipality,	400	3 ph. A. C.
	Trichur.	230	1 ph. A. C.

COMPANIES

3. Ernakulam	The Cochin State Power	11,000	3 ph. A. C.
	Light Corporation Ltd.,	6,600	3 ph. A. C.
	M/A. M/s. Chandrie &	400	3 ph. A. C.
	Co. (Private) Ltd.,	230	1 ph. A. C.
	P. O. Box No. 156, National Insurance Building Esplanade, Madras-1.		

1	2	3	4	5
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COMPANIES - contd.

4. Kottayam	The Kottayam Electric	11,000	3 ph.A.C.
	Supply Agency,	400	3 ph.A.C.
	C/O M/s. Moos, Kottayam.	230	1 ph.A.C.
5. Kannan Dewan Hills	The Kannan Dewan Hills	11,000	3 ph.A.C.
	Produce Co. Ltd.,	2,200	3 ph.A.C.
	Headquarters Office,	400	3 ph.A.C.
	Munnar.	230	1 ph.A.C.
6. Mattencherry	The Cochin Electric Co.	6,600	3 ph.A.C.
	Private Ltd.,	400	3 ph.A.C.
	Mattencherry, Cochin-1.	230	1 ph.A.C.

**MADHYA 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

**BOARD**

1. Madhya Pradesh Electricity Board.

(a) Hydro Power Station	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Rampur, Jabalpur.	220,000 132,000 66,000 33,000 11,000 6,600	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C.
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1. Gandhisagar 2. Rana Pratap Sagar	The Superintending Engineer, M.P. Electricity Board, P.O. Gandhisagar Colony, Distt. Mandasaur (M.P.)	3,300 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
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(b) Steam Power Stations.

1. Itarsi
2. Katni
3. Gwalior
4. Raipur
5. Bhopal
6. Nepanagar
7. Indore
8. Amarkantak
9. Korba
10. Korba (200)
11. Satpura (Sarni)

(c) Diesel Power Stations.

1. Jaishpurnagar
2. Harsud
3. Pendra Road
4. Pachmari

1	2	3	4	5
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BOARD -contd.

- 5. Ratlam
- 6. Gwalior
- 7. Burhampur

COMPANIES

2.	Dewas(Senior)	The Dewas(Senior) Electric Supply Co. Private 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., M/A. M/s. Martin Burn Co. Ltd., Calcutta-1.	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., Mandsaur.	3,300 400 230	3 ph.A.C. 3 ph.A.C. 1 ph.A.C.
5.	Saugor	The Saugor Electric Supply Co., Ltd., M/A. M/s. Martin Burn Ltd., 12 Mission Row, Calcutta-1.	3,300 400 230	3 ph.A.C. 3 ph.A.C. 1 ph.A.C.
6.	Sehore	The Sehore Electric Supply Co. Private 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
1	2	3	4	5

BOARD

1. Maharashtra State Electricity Board.

(a) Hydro Power Stations	The Chief Engineer, Maharashtra State Electricity Board,	220,000	3 ph. A. C.
		132,000	3 ph. A. C.
		110,000	3 ph. A. C.
1. Bhatgarh	Mercantile Bank	66,000	3 ph. A. C.
2. Radhanagiri	Building, Mahatma	33,000	3 ph. A. C.
3. Koyna	Gandhi Road, Fort,	22,000	3 ph. A. C.
4. Purna	Bombay-1.	11,000	3 ph. A. C.
		400	3 ph. A. C.
(b) Steam Power Stations		230	1 ph. A. C.

1. Balarshah
2. Paras
3. Khaparkheda

(c) Diesel Power Stations

1. Khandbara
2. Aheri
3. Sirnucha
4. Jawahar
5. Dharnee
6. Kinwat
7. Deglur
8. Ashti
9. Taloda
10. Dendoicha
11. Manmad
12. Bhoom
13. Shahada
14. Yeola

1	2	3	4	5
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BOARD - contd.

15.	Bijapur			
16.	Chopda			
17.	Pachora			
18.	Amalner			
19.	Udgir			
20.	Bhir			
21.	Shivpur			
22.	Ratnagiri			
23.	Dharangaon			
24.	Nandid			
25.	Aurangabad			
26.	Nasik			
27.	Panchgani			
28.	Belapur Town			
29.	Belapur Road			
30.	Nandurbar			
31.	Dhulia			
32.	Nandgaon			
33.	Aundh			
34.	Akalkot			
35.	Chandore			
2.	Chola Power Station	The Chief Electrical Engineer Central Railway, Bombay V. T.	99,700	3 ph. A. C.
			22,000	3 ph. A. C.
			11,000	3 ph. A. C.
			8,600	3 ph. A. C.
			3,300	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
			400	3 ph. A. C.
			230	1 ph. A. C.
3.	Sholapur	The Station Superintendent Sholapur Electric Undertaking, Sholapur.	11,000	3 ph. A. C.
			400	3 ph. A. C.
			230	1 ph. A. C.

1	2	3	4	5
<b>MUNICIPALITIES</b>				
4.	Bombay	The Bombay Electric Supply and Transport Undertaking (Municipal Corporation), B. E. S. T. House, P. B. No. 192, Bombay-1.	22,000 6,600 400 230 600 460 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 3 Wire D. C. 2 Wire
5.	Karjat	Karjat Bhisgaon Panchayat, Karjat, District Kolaba.	6,600 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
6.	Kasara Gram Panchayat	Kasara Gram Panchayat Elec. Undertaking, Kasara.	400 230	3 ph. A. C. 1 ph. A. C.
7.	Bombay Municipal Corporation	Bombay Municipal Corporation, Vaitarnana-cum-Temser, Street Domestic Colony, Vaitarnana.	400 230	3 ph. A. C. 1 ph. A. C.
8.	Raver	The Elect. Engineer, Raver Municipal Power House, Raver.	400 230	3 ph. A. C. 1 ph. A. C.
9.	Sangli	The Jubilee Electric Works (Sangli Nagarpalika Trust Property), Electric Power House, Sangli.	11,000 3,300 400 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
10.	Savantwadi	The Electrical Engineer, Savantwadi Municipality, Savantwadi.	400 230	3 ph. A. C. 1 ph. A. C.

1	2	3	4	5
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COMPANIES

11. Ahmednagar	The Ahmednagar Electric	11,000	3 ph. A. C.
	Supply Co. Private Ltd.	3,300	3 ph. A. C.
	M/A. M/s. Nariman Sons	400	3 ph. A. C.
	Private Ltd., Power	230	1 ph. A. C.
House, Station Road, Ahmednagar.			
12. Baramati	The Baramati Electric	460	D. C. 3 Wire
	Supply Co. Private Ltd., Poonawala & Co. 915 Budhwar Path, Poona-2.	230	D. C. 2 Wire
13. Barsi	The General Engineering	11,000	3 ph. A. C.
	Corporation Ltd. (Barsi	400	3 ph. A. C.
	Electric Supply), 60 Forbes	230	1 ph. A. C.
	Street, Temple Bazar Buildings, Fort, Bombay-1.		
14. Bassein	The Bassein Electric	3,300	3 ph. A. C.
	Supply Co. Ltd., M/A.	400	3 ph. A. C.
	M/s. J. B. Maneckji &	230	1 ph. A. C.
	Co., Mehta House, Apollo Street, Fort, Bombay.		
15. Bhiwandi	The Amalgamated Electri-	22,000	3 ph. A. C.
	city Co. Ltd. (Bhiwandi	400	3 ph. A. C.
	Branch), M/A. M/s. N. C.	230	1 ph. A. C.
	Javeri & Co., Post Box No. 879, 17-B Horniman Circle, Bombay-1.		
16. Bhusawal	The Amalgamated	11,000	3 ph. A. C.
	Electricity Co. Ltd.,	400	3 ph. A. C.
	(Bhusawal Branch) M/A.	230	1 ph. A. C.
	M/s. N. C. Javeri & Co., Post Box No. 879, 17-B Horniman Circle, Bombay-1.		

1	2	3	4	5
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COMPANIES- contd.

17. Bhor	Thopte Electric Supply Co. Pvt. Ltd. (Bhor Branch), M/s. Thopte Patel and Co., Nana Bhavan, 1194/20, Ghole Road, Poona-4.	2,200 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.
18. Bombay Suburban	The Bombay Suburban Electric Supply Co. Ltd., Central Administration Deptt., M/s. Killick Industries Ltd., 5, Graham Road (4th Floor), Ballard Estate P. O. Box. 109, Bombay-1.	22,000 11,000 400 230	3 3 3 1	ph. A. C. ph. A. C. ph. A. C. ph. A. C.
19. Chalisgaon	The Amalgamated Electricity Co. Ltd., (Chalisgaon Branch), M/A. M/s. N. C. Javeri & Co., Post. Box No. 879, 17-B, Horniman Circle, Bombay-1.	6,600 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.
20. Dhond	The Dhond Electric Supply Co. Dhond.	400 230	3 1	ph. A. C. ph. A. C.
21. Ichalkaranji	The Ichalkaranji Electric Supply Co. Ichalkaranji (Distt. Satara).	400 230	3 1	ph. A. C. ph. A. C.
22. Igatpuri	The Igatpuri Electric Supply Co. M/A. M/s. Pandit & Co., 15, Forbes Street, Fort, Bombay-1.	11,000 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.

1	2	3	4	5
COMPANIES - contd.				
23. Jalgaon	The Amalgamated Electricity Co. Ltd., Jalgaon Branch, M/A, M/s. N. C. Javeri & Co. Post Box No. 879, 17-B, Horniman Circle, Bombay-1.	11,000 3,300 400 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
24. Junnar	The Junnar Electric & Water Supply Co. Ltd. M/A, M/s. Thopte Patel & Co., 'Nana Bhavan' 1194/20, Ghole Road, Poona-4.	2,200 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
25. Karad	The Karad Electric Supply Co. Private Ltd., Karad.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
26. 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.	
27. Koregaon	The Allied Electric Agencies Private Ltd., Power House, Koregaon (North Satara).	400 230	3 ph. A. C. 1 ph. A. C.	
28. Karmala	The Karmala Electric Supply Co., Station Road, Pandharpur.	400 230	3 ph. A. C. 1 ph. A. C.	
29. 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.	
30. Lasalgaon	The Lasalgaon Cooperative Elec. Supply Society Ltd., Lasalgaon, Distt. Nasik.	400 230	3 ph. A. C. 1 ph. A. C.	

1	2	3	4	5
COMPANIES - contd.				
31. Madhavnagar	The Madhavanagar Electric Supply Co. Ltd., Madhavnagar.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
32. Mahableshwar	The Mahableshwar Electric Supply Co. Ltd., M/A, M/s. Panchanani Electric Supply Co. Ltd., 96, Dancan Road, Byculla, Bombay.	400 230	3 ph. A. C. 1 ph. A. C.	
33. Mahad	The Mahad Electric Supply Co. Ltd., Mahad (Distt. Kolaba).	400 230	3 ph. A. C. 1 ph. A. C.	
34. Malegaon	The Amalgamated Electri- city Co. Ltd., (Malegaon Branch) M/A, M/s. N. C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Fort, Bombay-1.	6,600 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
35. Matheran	The Matheran Electric Supply Co. Ltd., Mehta House, Apollo Street, Fort, Bombay-1.	400 230	3 ph. A. C. 1 ph. A. C.	
36. 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.	
37. Nagpur	The Nagpur Electric Light and Power Co. Ltd., Civil Lines, Post Box No. 2, Nagpur.	11,000 3,300 400 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
38. 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.	

1	2	3	4	5
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COMPANIES- contd.

39. Nira Lonand	The Nira-Lonand Electric Supply Co., M/A, M/s. Thopte Patel & Co. 'Nana Bhavan', 1194/20, Ghole Road, Poona-4.	22,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
40. Palghar Navli	The Light and Power Suppliers Ltd., (Palghar Navli Branch), M/A, Industrial Service Ltd., Gumaste Buildings, 180, Budhwar Peth, Laxmi Road, Poona-2.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
41. 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.
42. Panvel-Taluka	The Panvel Taluka Electrical Development Co. Ltd., M/A, M/s. Benthia Brothers, Kesar Baug,, Panvel.	6,600 3,300 400 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
43. Sailu	The Proprietor, Sailu Elec. Supply Co. Sailu (Central Railway), Distt. Parbhani.	400 230	3 ph. A. C. 1 ph. A. C.
44. Sangamner	The Sangamner Electric Supply Co. Ltd., M/A, M/s. Penta & Co. Sangamner, Distt. Ahmednagar.	400 230	3 ph. A. C. 1 ph. A. C.
45. Satara	The Satara Electric Supply Co. Private Ltd., 217, Partapagang Peth, Satara City.	3,300 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.



1	2	3	4	5
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COMPANIES - conclud.

46. Shirwal	Thopte Electric Supply Co. Pvt. Ltd., (Shirwal Branch), M/s. Thopte Patel & Co. 'Nana Bhavan' 1194/20, Ghole Road, Poona-4.	400 230	3 1	ph. A. C. ph. A. C.
47. Tata Hydro	The Tata Hydro Electric Agencies Ltd., Bombay House, 24, Bruce Street, Fort, Bombay.	110,000 22,000 6,600	3 3 3	ph. A. C. ph. A. C. ph. A. C.
48. Tasgaon	The Tasgaon Electricity General Cooperative Society, Ltd., Tasgaon (District Satara).	400 230	3 1	ph. A. C. ph. A. C.
49. Thana	The Thana Electric Supply Co. Private Ltd., Court House, (4th Floor), Carnac Road, Dhobi Talao, Bombay.	11,000 6,600 400 230	3 3 3 1	ph. A. C. ph. A. C. ph. A. C. ph. A. C.
50. Vita	The Co-operative Electric Supply Society Ltd., Vita (South Satara).	11,000 400 230	3 3 1	ph. A. C. ph. A. C. ph. A. C.

MYSORE

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.	Hydro Electric Construction Project, Government of Mysore.	The Chief Engineer, Hydro Electric Construction Projects, Post Bag No. 360, Race Course, Cross Road, Bangalore-9.	220, 000	3 ph. A. C.
			66, 000	3 ph. A. C.
			11, 000	3 ph. A. C.

Hydro Power Stations.

1. Bhadra
2. Sharavathi

2. Mysore State Electricity Board.

BOARD

(a) Hydro Power Stations.	220, 000	3 ph. A. C.
	110, 000	3 ph. A. C.
1. Job	66, 000	3 ph. A. C.
	33, 000	3 ph. A. C.
	22, 000	3 ph. A. C.
	11, 000	3 ph. A. C.
2. Munirabad	6, 600	3 ph. A. C.
	3, 300	3 ph. A. C.
3. Sivasamundram	400	3 ph. A. C.
	230	1 ph. A. C.
4. Shimashapura		
(b) Thermal Power Stations.		

1. Gas turbine  
Bangalore

Diesel Power Stations.

1. Athni
2. Dharwar
3. Ramdurg

The Chief Engineer  
(Electricity), Mysore  
State Electricity (General)  
Board, Post Box No. 315  
Bangalore-1.

1	2	3	4	5
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BOARD -contd.

4. Kamlanagar
5. Santhapur
6. Bhalki
7. Jamkhandi

COMPANIES

3.	Bagalkot	Shri Venkatesh Power Works Ltd., Shrimant K. S. Sar-desai, Bagalkot.	400 230	3 ph. A. C. 1 ph. A. C.
4.	Belgaum	The Amalgamated Electricity Co. Ltd., (Belgaum Branch) M/A, M/s. N. C. Javeri & Co. P. B. No. 879, 17-B, Horniman Circle, Fort, Bombay.	11,000 3,300 400 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
5.	Byadgi	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	400 230	3 ph. A. C. 1 ph. A. C.
6.	Gadag	M/s. Manvi Brothers, Elec. Light & Power Suppliers, Gadag, Distt. Dharwar.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
7.	Haveri	M/s. Manvi Brothers, Elec. Light & Power Suppliers, Gadag, Distt. Dharwar.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
8.	Karwar	The Karwar Electric Supply & Trading Co. Ltd., Karwar.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
9.	Nipani	The Nipani Electricity Co. Private Ltd., Dharwar, Nipani, Distt. Belgaum.	400 230	3 ph. A. C. 1 ph. A. C.
10.	Ranebenur	M/s. Manvi Brothers Elec. Light & Power Suppliers, Gadag, Distt. Dharwar.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
11.	Sirsi	The Kanara Electric Supply Co. Ltd., Sirsa (North Kanara).	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.

**NAGALAND**

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
<b>Nagaland</b>				
1.	Dimapur	The Executive Engineer, Kohima	11,000	3 ph. A. C.
2.	Kohima	Electrical Division, Kohima (Nagaland).	400	3 ph. A. C.
3.	Mokokchung		230	1 ph. A. C.
4.	Mon			
5.	Tuensang			
6.	Wokha			
7.	Zunkehota			
8.	Chazuba			
9.	Tsciminya			
10.	Satakba			
11.	Agenata			
12.	Longkhin			
13.	Peren			
14.	Ptutsero			
15.	Phek			

ORISSA

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.	Hirakud Dam Project.	The Superintending Engineer, Electrical Circle, Hirakud Dam Project, P. O. Burla, Distt. Sambalpur, Orissa.	132,000 66,000 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. 1 ph. A. C.

Hydro Power Stations

1. Hirakud I
2. Hirakud II

- |    |                                |  |                    |                            |
|----|--------------------------------|--|--------------------|----------------------------|
| 2. | Talcher Thermal Power Station. | The Additional Chief Engineer, Electricity, Electrical Projects, Orissa. | 220,000<br>132,000 | 3 ph. A. C.<br>3 ph. A. C. |
|----|--------------------------------|--|--------------------|----------------------------|

Diesel Power Houses.

- |     |              |         |             |
|-----|--------------|---------|-------------|
| 1.  | Athamlic     | 132,000 | 3 ph. A. C. |
| 2.  | Baliguda     | 66,000  | 3 ph. A. C. |
| 3.  | Rourkela     | 33,000  | 3 ph. A. C. |
| 4.  | Deogarh      | 11,000  | 3 ph. A. C. |
| 5.  | Boudh        | 3,300   | 3 ph. A. C. |
| 6.  | Padampur     | 400     | 3 ph. A. C. |
| 7.  | G. Udayagiri | 230     | 1 ph. A. C. |
| 8.  | Phulbani     |         |             |
| 9.  | Khariaroad   |         |             |
| 10. | Bhubaneswar  |         |             |

1	2	3	4	5
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3. Orissa State  
Electricity Board.

BOARD

(a) Hydro Power  
Station.

The Chief Engineer,  
Orissa State Electricity  
Board,  
Bhubaneswar.

Deogarh

(b) Steam Power  
Station.

1. Jobra
2. Choudhwar

**PUNJAB**

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. | Bhakra Management Board. | The Member(Power) Works Section, Bhakra Management Board, Patiala (Punjab). |
|----|--------------------------|---|

**Hydro Power Stations**

1.	Bhakra Right Bank	220,000	3 ph. A. C.
2.	Bhakra Left Bank	132,000	3 ph. A. C.
3.	Ganguwal	66,000	3 ph. A. C.
4.	Kotla	33,000	3 ph. A. C.
		11,000	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.

- |    |                                |  |
|----|--------------------------------|--|
| 2. | Punjab State Electricity Board | The Chief Engineer, Punjab State Electricity Board, Patiala. |
|----|--------------------------------|--|

(a) Hydro Power Stations

**Shanan (Joginder Nagar)**

(b) Thermal Power Stations

1. Nangal
2. Pong Thermal Power Station

(c) Diesel Power Stations

1. Fazilka
2. Abohar

1	2	3	4	5
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3. Moga
4. Rupar
5. Sangrur
6. Jullundur
7. Hoshiarpur
8. Faridkot
9. Patiala (Yadvindra)

#### MUNICIPALITIES

3. Amritsar	The Chief Electrical	400	3 ph. A. C.
	Engineer, Amritsar	230	1 ph. A. C.
	Municipal Committee,	440	D.C. 3 Wire
	Amritsar.	230	D.C. 2 Wire

#### COMPANIES

4. Malerkotla	The Malerkotla Power	400	3 ph. A. C.
	Supply Co.	230	1 ph. A. C.
	Proprietor M/s.		
	Bhagwan Dass & Sons,		
	Malerkotla.		



**RAJASTHAN**

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

**BOARD**

1. Rajasthan State Electricity Board.

(a) Thermal Power Stations.

1. Alwar	The Chief Engineer,	132,000	3 ph. A. C.
2. Kotah	Rajasthan State	66,000	3 ph. A. C.
3. Bharatpur	Electricity Board,	33,000	3 ph. A. C.
4. Jodhpur (Old)	Jaipur.	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		2,200	3 ph. A. C.
8. Gas Turbine Kotah		400	3 ph. A. C.
		230	1 ph. A. C.

(b) Diesel Power Stations.

1. Deogarh
2. Ladnun
3. Pokran
4. Kushalgarh.
5. Nathdwara
6. Partapgarh.
7. Kotoh
8. Deedwana
9. Kankroli
10. Baren
11. Deoli
12. Balotra
13. Todabhim
14. Shahpura
15. Chhabra

1	2	3	4	5
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BOARD - contd.

16. Jhalawar
17. Kegri
18. Serohi
19. Jalore
20. Nagaur
21. Bundi
22. Phalodi
23. Sikar
24. Rajgarh
25. Sumerpur
26. Jaiselmer
27. Bhinmul
28. Karauli
29. Barnee
30. Tonk
31. Nawai
32. Malpura
33. Banswara
34. Reodar
35. Dungerpur
36. Dholpur
37. Pali
38. Sagwara
39. Bhilwara

COMPANIES

1. Mount Abu	The Mount Abu Electric	400	3	ph.A. C.
	Supply Co., Mount Abu.	230	3	ph.A. C.
2. Abu Road	The Aburoad Electricity &	400	3	ph.A. C.
	Industries Company Ltd.,	230	3	ph.A. C.
3. Ajmer	The Amalgamated Elec.	11,000	3	ph.A. C.
	Co.Ltd., P.O. Box No.43	6,600	3	ph.A. C.
	Jaipur Road, Ajmer.	400	3	ph.A. C.
		230	3	ph.A. C.
4. Udaipur	The Maharana Bhupal	11,000	3	ph.A. C.
	Electric Supply Co. Ltd.,	400	3	ph.A. C.
	Near Sajjan Niwas Garden	230	3	ph.A. C.
	Udaipur, Rajasthan.			

TAMIL NADU

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

BOARD

1. Tamilnadu State Electricity Board.

(a) Hydro Power Stations.

1. Kundah-I	The Chief Engineer,	230,000	3 ph. A. C.
2. Kundah-II	Electricity, Madras	110,000	3 ph. A. C.
3. Kundah-III	State Electricity Board,	66,000	3 ph. A. C.
4. Kundah-IV	157, Mount Road,	33,000	3 ph. A. C.
5. Kundah-V	Tamil Nadu.	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			

(b) Steam Power Stations.

1. Madurai
2. Basin Bridge

GOVT. 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	3 ph. A. C.
		110,000	3 ph. A. C.
		11,000	3 ph. A. C.

1	2	3	4	5
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### MUNICIPALITIES

3.	Coimbatore	The Commissioner, Coimbatore Municipa- lity, Coimbatore.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
4.	Karur	The Commissioner, Karur Municipality Karur, District 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.	22,000 400 230	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 Cor- poration Ltd. M/A. The India Co. (Private) Ltd., Oriental Buildings, Armenian Street, Madras-1.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
9.	Mayawaram Mannargudi	The South Madras Electric Supply Cor- poration Ltd., Post Box No. 67, Tiruchirapally.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.

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COMPANIES - contd.

10. Nagapatam	The Nagapatam Electric	11,000	3 ph. A. C.
	Supply Co. Ltd., M/A, The	400	3 ph. A. C.
	India Co. (Private) Ltd.,	230	1 ph. A. C.
	Oriental Buildings, Armenian Street, Madras-1.		
11. Salem-Erode	The Salem-Erode Elec-	22,000	3 ph. A. C.
	tricity Distribution Co.	6,600	3 ph. A. C.
	Ltd., M/A, M/s. Octavious	400	3 ph. A. C.
	Steel & Co. Ltd., 14, Old	230	1 ph. A. C.
Court House Street, Calcutta-1.			
12. Shencottah	The Shencottah Electric	11,000	3 ph. A. C.
	Supply Agency,	400	3 ph. A. C.
	Shencottah.	230	1 ph. A. C.
13. Tirunelveli- Tuticorin	The Tirunelveli Tuti-	22,000	3 ph. A. C.
	corin Electric Supply Co.	11,000	3 ph. A. C.
	Ltd., M/A, M/s. Octavious	6,600	3 ph. A. C.
	Steel & Co. Ltd., 14, Old	3,300	3 ph. A. C.
	Court House Street,	400	3 ph. A. C.
	Calcutta-1.	230	1 ph. A. C.
14. Tiruchirapalli	The South Madras Electric	11,000	3 ph. A. C.
	Supply Corporation,	400	3 ph. A. C.
	Post Box No. 67,	230	1 ph. A. C.
	Tiruchirapalli.		
15. Vellore	The Vellore Electric	11,000	3 ph. A. C.
	Corporation Ltd.,	400	3 ph. A. C.
	M/A, M/s. Chandrie & Co.	230	1 ph. A. C.
	(Private) Ltd., 20, Second Line Beach, Madras-1.		

## UTTAR 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

### BOARD

1. Uttar Pradesh State Electricity Board.

(a) Hydro Power Stations.

1. Dharasu	The Chief Engineer	220,000	3 ph. A. C.
2. Pipalkoti	(Hydel),	132,000	3 ph. A. C.
3. Barkot	Uttar Pradesh State	66,000	3 ph. A. C.
4. Simli	Electricity Board,	44,000	3 ph. A. C.
5. Bageshwar	Lucknow.	33,000	3 ph. A. C.
6. Rudraprayag		22,000	3 ph. A. C.
7. Joshimath		11,000	3 ph. A. C.
8. Chanipwat		6,600	3 ph. A. C.
9. Uttarkashi		3,300	3 ph. A. C.
10. Palra			
11. Summera			
12. Bhola			
13. Chitaura			
14. Salawa			
15. Nirgajini			
16. Matatila			
17. Mohammadpur			
18. Pathri			
19. Dhakrani			
20. Khatima			
21. Dhalipur			
22. Rihand			

(b) Thermal Power Stations.

1. Balrampur
2. Rampur

1	2	3	4	5
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3. Mainpuri				
4. Allahabad				
5. Mau				
6. Gorakhpur				
7. Chandausi				
8. Faizabad				
9. Harduaganj (old)				
10. Lucknow				
11. Harduaganj (new)				
12. Muradnagar Gas Turbine				
13. Harduaganj (Extn.)				
14. Panki (Kanpur Extn.)				
15. Obra				
16. Kanpur	33,000	3 ph. A. C.		
	11,000	3 ph. A. C.		
	6,600	3 ph. A. C.		
	3,300	3 ph. A. C.		
	400	3 ph. A. C.		
	230	1 ph. A. C.		

(c) Diesel Power Stations.

1. Laksar	220,000	3 ph. A. C.
2. Chamoli	132,000	3 ph. A. C.
3. Pithorgarh	66,000	3 ph. A. C.
4. Joshimath	44,000	3 ph. A. C.
5. Tehri	33,000	3 ph. A. C.
6. Tundla	22,000	3 ph. A. C.
7. Palra	11,000	3 ph. A. C.
8. Pauri	6,600	3 ph. A. C.
9. Saharanpur	3,300	3 ph. A. C.
10. Matatila		
11. Gorakhpur city		
12. Muradabad		
13. Sohwal		
14. Mainpuri		
15. Meerut		
16. Jhansi		

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BOARD - conold.

17. Lohia Head
18. Shahjahanpur
19. Gorakhpur
20. Nib-Karori
21. Aligarh
22. Dhakrani
23. Kalagarh
24. Damogh
25. Sultanpur
26. Baharaich
27. Ghaziabad

MUNICIPALITIES

2.	Almora	The Electrical and Water Works Engineer Municipal Board, Almora.	400	3 ph. A. C.
			230	1 ph. A. C.
3.	Haldwani	The Electrical and Municipal Engineer, Municipal Board, Haldwani-cum-Kathgodam, Haldwani.	3,300	3 ph. A. C.
			400	3 ph. A. C.
			230	1 ph. A. C.
4.	Hardwar	The Electrical and Water Works Engineer, Municipal Board, Hardwar Union, Hardwar.	400	3 ph. A. C.
			230	1 ph. A. C.
5.	Kasganj	The Electrical Engineer, Municipal Electric Supply, Kasganj.	400	3 ph. A. C.
			230	1 ph. A. C.
6.	Khurja	The Electrical Engineer, Municipal Electric Supply, Municipal Board, Khurja.	400	3 ph. A. C.
			230	1 ph. A. C.
7.	Lalitpur	The Municipal Electric Supply Undertaking, Lalitpur.	400	3 ph. A. C.
			230	1 ph. A. C.



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MUNICIPALITIES-contd.

8. Meerut	The Electrical Engineer,	400	3 ph. A. C.
	Municipal Board, Meerut.	230	1 ph. A. C.
9. Muzaffar-nagar	The Electrical Engineer,	400	3 ph. A. C.
	Municipal Board, Muzaffarnagar.	230	1 ph. A. C.
10. Mussoorie	The President, Mussoorie	6,600	3 ph. A. C.
	Dehra Hydro Electric	400	3 ph. A. C.
	Undertaking, City Board, Mussoorie.	230	1 ph. A. C.
11. Nainital	The Electrical & Mechanical	380	3 ph. A. C.
	Engineer, Municipal Board, Nainital.	230	1 ph. A. C.
12. Roorkee	The President, Municipal	400	3 ph. A. C.
	Board, Roorkee.	230	1 ph. A. C.
13. Rishikesh	The President, Municipal	400	3 ph. A. C.
	Board, Rishikesh.	230	1 ph. A. C.
14. Unnao	The Electrical & Water	400	3 ph. A. C.
	Works Engineer, Municipal Board, Unnao.	230	1 ph. A. C.

COMPANIES

15. Aligarh	The Aligarh Electric	11,000	3 ph. A. C.
	Supply Co. Ltd., M/A,	3,300	3 ph. A. C.
	M/s. Jain & Co. (P) Ltd.,	400	3 ph. A. C.
	Udai Singh Jain Road, Mathura.	230	1 ph. A. C.
16. Agra	The Agra Electric Supply	11,000	3 ph. A. C.
	Co. Ltd., M/A, M/s.	6,600	3 ph. A. C.
	Martin Burn Ltd.,	3,300	3 ph. A. C.
	12, Mission Row,	400	3 ph. A. C.
	Calcutta-10.	230	1 ph. A. C.

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COMPANIES - contd.

17. Banaras	The Banaras Electric	33,000	3 ph.A.C.
	Light & Power Co. Ltd.	11,000	3 ph.A.C.
	M/A, M/s. Martin Burn	8,600	3 ph.A.C.
	Ltd., 12, Mission Row,	3,300	3 ph.A.C.
	Calcutta-1.	400	3 ph.A.C.
		230	1 ph.A.C.
18. Bareilly	The Bareilly Electric	33,000	3 ph.A.C.
	Supply Co. Ltd., M/A,	11,000	3 ph.A.C.
	M/s. Martin Burn Ltd.,	6,600	3 ph.A.C.
	12, Mission Row,	3,300	3 ph.A.C.
	Calcutta-1.	400	3 ph.A.C.
		230	1 ph.A.C.
19. Barabanki	The Barabanki Electric	400	3 ph.A.C.
	Supply Co. Ltd., M/A.	230	1 ph.A.C.
	The Progressive Industries, Barabanki.		
20. Budaun	The Kishore Electric Supply	3,300	3 ph.A.C.
	Corporation C/o Kisore	400	3 ph.A.C.
	Chand Shiv Charan Lal,	230	1 ph.A.C.
	Budaun.		
21. Etawah	The Western United	37,500	3 ph.A.C.
	Provinces Electric Power	11,000	3 ph.A.C.
	and Supply Co. Ltd., M/A,	400	3 ph.A.C.
	M/s. Alopi Prashad and	230	1 ph.A.C.
	Sons Private Ltd., P. B. No. 1097, Kashmere Gate, Delhi-6.		
22. Farrukhabad	The Farrukhabad Electric	3,300	3 ph.A.C.
	Supply Co. Ltd., M/A,	400	3 ph.A.C.
	M/s. Radheshyam & Brothers, Fategarh.	230	1 ph.A.C.

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COMPANIES -contd.

23. Faizabad	The Faizabad Electric Licensee (1933)C/o	400	3 ph. A. C.
	The British Insulated Calenders Cables Ltd., 116, Station Road, Faizabad.	230	1 ph. A. C.
24. Jaunpur	The Janunpur Electric Licensees (1934) C/o The	3,300	3 ph. A. C.
	British Insulated Calenders Cables, Ltd., Jaunpur.	400	3 ph. A. C.
		230	1 ph. A. C.
25. Kosikalan	The Kosi Electric Supply Co., Kosikalan, Distt. Mathura.	400	3 ph. A. C.
		230	1 ph. A. C.
26. Mathura	The Resident Engineer,	3,000	3 ph. A. C.
	The Mathura Electric Supply Co., Ltd., Mathura.	400	3 ph. A. C.
		230	1 ph. A. C.
27. Mirzapur	The Mirzapur Electric Supply Co. Ltd., Mirzapur.	3,300	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.
28. Pilibhit	The Pilibhit Electric Supply Co. (P) Ltd., M/A, M/s. Manmohan Lal and Sons (P) Ltd., Pilibhit.	400	3 ph. A. C.
		230	1 ph. A. C.
29. Rai Bareili, Pratapgarh, Sultanpur, Bachrawan, Maharajganj, Salon & Jais	The Commercial Officer, the Rohtak and Hissar Districts Electric Supply Co. Ltd., 5, Prayag Street, Allahabad-2.	400	3 ph. A. C.
		230	1 ph. A. C.
30. Sadabad	The Sadabad Electric Supply Co. C/o M/s. M. N. Bhargava & Brothers, Sadabad (Mathura).	400	3 ph. A. C.
		230	1 ph. A. C.

1	2	3	4	5
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COMPANIES - contd.

31. Saharanpur	The Saharanpur Electric	400	3 ph. A. C.
	Supply Co. Ltd.,	230	1 ph. A. C.
	Ramnagar (Pathanpura	440	D. C. 3 Wire
	Street), P. B. No. 16, Saharanpur.	220	D. C. 2 Wire
32. Shahajahanpur	The Shahajahanpur Elec-	3,000	3 ph. A. C.
	tric Supply Co. Ltd.,	400	3 ph. A. C.
	M/A, M/s. Octavious	230	1 ph. A. C.
	Steel & Co. Ltd., 14, Old Court House Street, P. B. No. 51, Calcutta.		
33. Renu Sagar	The Renusagar Power	3,300	3 ph. A. C.
	Co. Ltd.,	400	3 ph. A. C.
	P.O. Renusagar Distt. Mirzapur.	230	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
1	2	3	4	5

**BOARD**

**1. West Bengal State Electricity Board**

**(a) Hydro Power Stations.**

1. Bijanbari
2. Kurseong
3. Jaldhaka

**(b) Steam Power Stations.**

1. Farakka Packaged Plant	The Chief Engineer, West Bengal State Electricity Board,	220,000	3 ph. A. C.
2. Dishergarh Packaged Plant	New Secretariat Buildings (7th floor),	132,000	3 ph. A. C.
3. Gourepore	1 Hastings Street,	66,000	3 ph. A. C.
4. Bandel.	Calcutta-1.	33,000	3 ph. A. C.
		22,000	3 ph. A. C.
		11,000	3 ph. A. C.
		6,600	3 ph. A. C.
		2,200	3 ph. A. C.
		400	3 ph. A. C.
		230	1 ph. A. C.

**(c) Diesel Power Stations.**

1. Mal
2. Haldibari
3. Birpara
4. Mathabhanga
5. Changrabandha
6. Balurghat
7. Raiganj
8. Malda

1	2	3	4	5
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BOARD -contd.

9. Siliguri				
10. Cooch Behar				
11. C. D. S. Malda				
2. Govt. of West Bengal Massanjore Hydel Power Station.	The Assistant Engineer, Massanjore Hydel Power Station, P. O. Massanjore Distt. Santhal Parganas.	33,000	3 ph. A. C.	11,000 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.	132,000	3 ph. A. C.	11,000 3 ph. A. C. 400 3 ph. A. C. 230 1 ph. A. C.

MUNICIPALITIES

4. Darjeeling	The Chairman, Darjeeling Municipality Electrical Department, Darjeeling.	6,600	3 ph. A. C.	400 3 ph. A. C. 230 1 ph. A. C.
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COMPANIES

5. Andul Mouri	The National Power Supply Corporation Ltd., (Andul Mouri Branch), 23-B Allenby Road, Calcutta-20.	400	3 ph. A. C.	230 1 ph. A. C.
6. Asansol	The Asansol Electric Supply Co. Ltd., M/A, M/s. Bengal Trust Ltd., G. T. Road, Asansol.	11,000	3 ph. A. C.	400 3 ph. A. C. 230 1 ph. A. C.
7. Bankura	The West Bengal Power Supply Co. Ltd., M/A, M/s. B. N. Elias & Co. (P) Ltd., National Tobacco Building 1 & 2, Old Court House Corner, Calcutta-1.	3,300	3 ph. A. C.	400 3 ph. A. C. 230 1 ph. A. C.

1	2	3	4	5
<b>COMPANIES - contd.</b>				
<b>8. Bansberia</b>	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.	
<b>9. Barakar</b>	The Barakar Electric Supply Co. Licensee, Babu Hari Ram Agarwala, P.O. Bharkar, District Burdwan.	3,300 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
<b>10. Berhampur</b>	The Berhampur Electric Supply Co. Ltd., M/A, M/s. S. C. Nag & Co. Berhampur, P.O. Khagra, Distt. Murshidabad.	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	
<b>11. Bhatpara</b>	The Riverside (Bhatpara) Electric Supply Co. (P) Ltd., M/A, M/s. Develop- ment of Industries (India) Ltd., 135, Prinsep Street, Calcutta-13.	11,000 3,300 400 230	3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
<b>12. Bongaon</b>	The Bongaon Electric Supply Co. Ltd., M/A, M/s. R. N. Chatterjee & Co. 135, Canning Street, Calcutta-1.	400 230	3 ph. A. C. 1 ph. A. C.	
<b>13. Chandernagore</b>	The Chandernagore Electric Supply Co. (P) Ltd. M/A, M/s. S. Bhur Jr. 20, Park Street, Calcutta-16.	6,600 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.	
<b>14. Calcutta</b>	The Calcutta Electric Supply Corporation Ltd., Victoria House, 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	

1	2	3	4	5
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COMPANIES - contd.

15. Dishergarh	The Dishergarh Power	11,000	3 ph. A. C.
	Supply Co. Ltd., Central	3,300	3 ph. A. C.
	Office, Sanctoria, P.O.	400	3 ph. A. C.
	Dishergarh, District Burdwan.	230	1 ph. A. C.
16. Hooghly Chinsura	The East India Electric	6,600	3 ph. A. C.
	Supply and Traction Co.	400	3 ph. A. C.
	Ltd., 3, Jogendra Kaviraj Row, Calcutta.	230	1 ph. A. C.
17. Jalpaiguri	The Jalpaiguri Electric	400	3 ph. A. C.
	Supply Co. Ltd., M/A, M/s. Indo-Swiss Trading Co. (P) Ltd., Kent House, 14, Ganesh Ch. Avenue, Calcutta-13.	230	1 ph. A. C.
18. Jamuria	The Jamuria Electric	400	3 ph. A. C.
	Supply Co., M/A, M/s. Bengal Trust Ltd., G. T. Road, Asansol.	230	1 ph. A. C.
19. Kalimpong	The Kalimpong Electric	400	3 ph. A. C.
	Supply Co., Ltd., 16 Ganesh Ch. Avenue, Calcutta-13.	230	1 ph. A. C.
20. Krishnagar	The West Bengal Power	11,000	3 ph. A. C.
	Supply Co., Ltd., M/A,	6,600	3 ph. A. C.
	M/s. B.N. Elias & Co. (P)	400	3 ph. A. C.
	Ltd., Norton Buildings, 1 & 2 Old Court House Corner, Calcutta.	230	1 ph. A. C.
21. Midnapur	The West Bengal Power	3,300	3 ph. A. C.
	Supply Co., Ltd., M/A, M/s.	400	3 ph. A. C.
	B.N. Alias and Co. (P) Ltd.,	230	1 ph. A. C.
	National Tobacco Building 1 & 2 Old Court House, Corner, Calcutta.		



1	2	3	4	5
COMPANIES - contd.				
22. Nabadwip	The West Bengal Power Supply Co. Ltd., M/A, M/s. B.N. Elias & Co. (P) Ltd., National Tobacco Building 1 & 2, Old Court House Corner, Calcutta.	11,000 6,600 400 230	3 3 3 1	ph.A.C. ph.A.C. ph.A.C. ph.A.C.
23. Naihati	The National Electric Supply Co. Ltd., M/A, M/s. Sanyal & Co., 309, Bowbazar Street, Calcutta-12.	6,600 400 230	3 3 1	ph.A.C. ph.A.C. ph.A.C.
24. Purulia	The Purulia Electric Supply Co. Ltd., M/A, M/s. The Purulia Trading Co. (P) Ltd., Purulia.	11,000 400 230	3 3 1	ph.A.C. ph.A.C. ph.A.C.
25. Raneegunj	The Raneegunj Electric Supply Co. Ltd., M/A, M/s. Industries and Power Development (P) Ltd., Western Block, 1st Floor, 40-1, Mahatma Gandhi Road, Calcutta-9.	22,000 400 230	3 3 1	ph.A.C. ph.A.C. ph.A.C.
26. Seebpore	Associated Power Co. Ltd., (Seebpore Power House) Central Office, Sanctoria, P.O. Dishergarh, Distt. Burdwan.	11,000 3,300 400 230	3 3 3 1	ph.A.C. ph.A.C. ph.A.C. ph.A.C.
27. Tarakeshwar	The Tarakeshwar Electric Supply Co. Ltd., 9, Lalbazar Street, Calcutta-1.	11,000 400 230	3 3 1	ph.A.C. ph.A.C. ph.A.C.
28. Vishnupur	The Vishnupur Electric Supply & Industrial Development Co. Ltd., 23-B, Allenby Road, Calcutta-20.	400 230	3 1	ph.A.C. ph.A.C.

UNION TERRITORIES GOVERNMENTS

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. & Phases
<u>D E L H I</u>				
1.	Delhi Electric Supply Undertaking.	The Chief Engineer,	33,000	3 ph. A. C.
		Delhi Electric Supply	11,000	3 ph. A. C.
		Undertaking, (Municipal	6,600	3 ph. A. C.
		Corporation of Delhi)	400	3 ph. A. C.
		Central Power House,	230	1 ph. A. C.
		Rajghat, P.O. Box	500	D. C. 3 Wire
	No. 589, New Delhi.	250	D. C. 2 Wire	
(a) Steam Power Stations.				
1. Chanderawal				
2. Inderprastha				
3. Inderprastha (Extn.)				
4. Rajghat.				
(b) Diesel Power Stations.				
1. Rajghat				
2. Lahorigate				
3. Kilokeri				
2.	New Delhi Municipal Committee.	The Electrical Engineer,	11,000	3 ph. A. C.
		Electricity Department,	6,600	3 ph. A. C.
		New Delhi Municipal	400	3 ph. A. C.
		Committee, New Delhi.	230	1 ph. A. C.
			440	D. C. 3 Wire
			220	D. C. 2 Wire

ANDAMAN & NICOBAR ISLANDS

Government of	The Electrical Engineer,	6,600	3 ph. A. C.
Andaman & Nicobar	Andaman and Nicobar	400	3 ph. A. C.
Islands, Port Blair.	Islands, Port Blair	230	1 ph. A. C.

(a) Steam Power Station.

Chatham.

UNION TERRITORIES GOVERNMENTS

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A. C. or D. C. & Phases

ANDAMAN & NICOBAR ISLANDS—contd.

(b) Diesel Power Stations.

1. Chatham
2. Rangat
3. Mayabam

GOA, DAMAN & DIU

1. Government of Goa, Daman & Diu.	The Chief Electrical Engineer, Government of Goa, Daman & Diu	110,000	3 ph. A. C.
	First Floor "Ashirvad"	33,000	3 ph. A. C.
	Rua Herois de Dadra	11,000	3 ph. A. C.
	Panaji, Goa.	400	3 ph. A. C.
		230	1 ph. A. C.
		400	D. C. 3 Wire
		230	D. C. 2 Wire

Diesel Power Stations.

1. Div
  2. Ponda
  3. Carcharam
  4. Daman
  5. Mapuca
  6. Margao
  7. Panjim
  8. Sanvordem
- 
- |                          |  |       |              |
|--------------------------|--|-------|--------------|
| 2. Municipality Mormugoa | The President, Camara Municipal DE MORMUGOA, Secretaria, Vascode Gama. | 3,300 | 3 ph. A. C.  |
|                          |  | 460   | D. C. 3 Wire |

COMPANY

- |          |  |       |             |
|----------|--|-------|-------------|
| Chowgule | Chowgule & Co., Ltd., Mechanical Ore Handling Division, Plant Office Berth No. VII, MORMUGOA HARBOUR (GOA) | 3,300 | 3 ph. A. C. |
|----------|--|-------|-------------|

**UNION TERRITORIES GOVERNMENTS**

Sl. No.	Name of the Undertaking / Power Station	Address of Undertaking	System of Supply	
			Voltage	A. C. or D. C. & Phases

**DADRA & NAGAR HAVELI**

Government of Dadra & Nagar Haveli	The Executive Engineer,	11,000	3 ph. A. C.
	Dadra & Nagar Haveli	400	3 ph. A. C.
	P. W. D., Silvassa.	230	1 ph. A. C.

**HIMACHAL PRADESH**

1. Government of Himachal Pradesh.

(a) Hydro Power Stations.	The Chief Engineer,	66,000	3 ph. A. C.
	Department of Multi-	35,000	3 ph. A. C.
	purpose Projects and	22,000	3 ph. A. C.
	Power, Himachal Pradesh	11,000	3 ph. A. C.
	Government, Kennedy	400	3 ph. A. C.
	Cottage, Simla-4.	230	1 ph. A. C.

1. Chaila
2. Bharmour
3. Chamba
4. Nogli
5. Shansha
6. Keylong
7. Jubbal
8. Belling Nullah

(b) Diesel Power Stations.

1. Bharmour
2. Rampur
3. Theog
4. Solan

**UNION TERRITORIES GOVERNMENTS**

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A. C. or D. C. & Phases

HIMACHAL PRADESH—contd.

- 5. Kasouli
- 6. Dalhousie
- 7. Kandaghat

**MUNICIPALITIES**

Simla	The Chief Electrical	11,000	3 ph. A. C.
	Engineer, Municipal	2,200	3 ph. A. C.
	Committee, Simla-1.	400	3 ph. A. C.
		230	1 ph. A. C.

LACCADIVES MINICOY ISLANDS

Government of Laccadives Minicoy.	The Executive Engineer,	400	3 ph. A. C.
	P. W. D., Union Territory of Laccadives, Kavarathi (Via) H. P. O. Calicut.	230	1 ph. A. C.

**Diesel Power  
Stations.**

- 1. Minicoy Island  
Power House.
- 2. Kavarathi Island  
Power House.
- 3. Amin Island  
Power House.
- 4. Androth Island  
Power House.
- 5. Kalpeni Power House.

**UNION TERRITORIES GOVERNMENTS**

Sl. No.	Name of the Undertaking/ Power Station	Address of Undertaking	System of Supply	
			Voltage	A. C. or D. C. & Phases

MANIPUR

Government of Manipur.	The Principal Engineer, Manipur Government P. W. D., Imphal.	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
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(a) Hydro Power Station.

Leimokhong

(b) Diesel Power Stations.	Supd. Engineer(Electrical) Additional Secretary to the Govt. of Manipur.
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1. Moreh
2. Thoubal
3. Jiribam
4. Moirang
5. Ukhrul
6. Imphal
7. Mao

PONDICHERRY

Government of Pondicherry	The Director of Electricity, Electricity Department Pondicherry.	22,000 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.
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TRIPURA

Government of Tripura	The Superintending Engineer, Tripura Electrical Circle Agartala(Tripura).	11,000 400 230	3 ph. A. C. 3 ph. A. C. 1 ph. A. C.
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- Diesel Power Stations.
1. Khowai
  2. Kailashwar
  3. Udaipur
  4. Dharam Nagar
  5. Agartala
  6. Ambassa
  7. Bagaffa

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