



**PUBLIC ELECTRICITY SUPPLY  
ALL INDIA STATISTICS**

1963-64

**GENERAL REVIEW**

**CENTRAL ELECTRICITY AUTHORITY  
MINISTRY OF IRRIGATION AND POWER**

## FOREWORD

Salient features of the Public Electricity Supply in the Republic of India for the year 1963-64 are summarised in this Review.

It will be seen that some improvements have been made in this Review. A general survey of the Electricity Supply Industry in the country is given in a connected manner at the beginning of the Review. It is hoped that the Review would be useful not only to the general readers but also to the experts who are interested in the economic aspects of power development. To the latter class of readers, the detailed tables given at the end of the publication may be of interest. Besides this change in presentation, the contents of many tables have been improved and also information regarding the power generated in the power stations owned by the Indian Railways have been given separately.

Thanks are due to the organisations both in the public and private sectors who have made available the data for compilation of this Review. The receipt of data has been delayed considerably in several cases which has resulted in delays in compiling this Review. It is hoped that in future all the organisations would furnish data promptly so that the Review might be published as early as possible after the expiry of the financial year to which it relates.

Every effort has been made to ensure the accuracy of the information presented in this Publication, but the Government of India do not accept responsibility for any errors or omissions in the presentation.

The Authority records appreciation of the assistance of the officers of the Central Water & Power Commission (Power Wing) who have compiled this Review.

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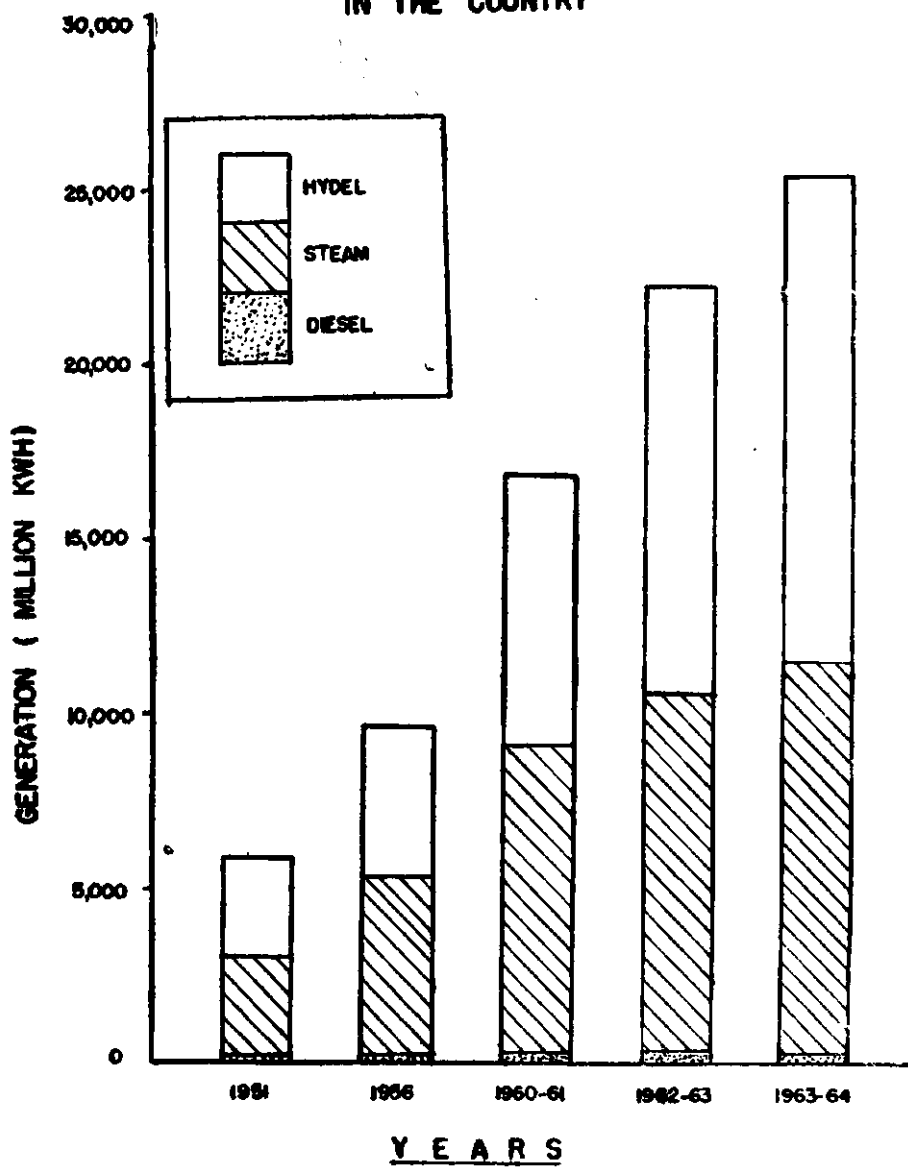
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PROGRESS OF POWER GENERATION  
IN THE COUNTRY



## PUBLIC ELECTRICITY SUPPLY—ALL INDIA STATISTICS 1963-64

### GENERAL REVIEW

#### 1. GENERAL POWER SUPPLY POSITION

The total installed plant capacity as at the end of the year under review was 6,228,533 kW, excluding 136,000 kW of plant in the Chola Power Station of the Central Railways. The net addition to generating capacity during the year was 563,339 kW, which represents an increase of 9.7 per cent of the installed plant capacity in the previous year. The total power generated by all the undertakings was 25,498 million kWh and the quantum of power purchased from outside sources was 856 million kWh. After providing for power consumption in the station auxiliaries, and for losses in transformation, transmission and distribution, the net power sold was 21,389 million kWh. The increase in the sales during the year was 3,064 million kWh equivalent to an increase of 16.7 per cent over the net sales in the previous year (excluding 363 million kWh of traction sales from Chola Power Station). The power stations consumed 8,278,073 tonnes of coal, 233,703 tonnes of furnace oil and 113,089 tonnes of diesel oil.

The salient features of the Electric Power Supply Industry in India for the years 1951, 1956, 1960-61, 1962-63 and 1963-64 are summarised in Table 1.

#### 2. POWER GENERATION

2.1. *Authorised Undertakings*—The total number of undertakings engaged in the business of generation and supply of electric power as at the end of the year was 299. Out of these undertakings 124 (classified as generating undertakings) were engaged in the generation and sale of power and the remaining 175 (classified as distributing undertakings) were engaged mainly in the retail distribution of power. The number of operating undertakings according to ownership may be seen below:—

Ownership	Generating	Distributing	Total
<i>(i) Public Sector—</i>			
(a) Government/State Electricity Board .. .. .	20	3	23
(b) Power Corporation .. .. .	1	..	1
(c) Municipality .. .. .	23	34	57
Sub-Total .. .. .	44	37	81
<i>(ii) Private Sector—</i>			
Company .. .. .	80	138	218
Total .. .. .	124	175	299

During the year under review, twenty-one undertakings were acquired by the State Electricity Boards and one by the Delhi Electric Supply Undertaking (as in Table 2). Eleven undertakings (as in Table 3) changed over from self-generation to purchase of power. One new generating undertaking of Jhalod Municipality in Gujarat also started functioning. Six undertakings, four in Goa, Daman and Diu, and one each in Laccadive-Minicoy Islands and in Nagaland which were not covered so far due to lack of data are also included in this review. The thermal power station of the Durgapur project hitherto reckoned under self-power generating industry has now been included under public electric utility.

The number of electricity supply undertakings classified according to ownership in the different States is given in Table 4. The total generating plant capacity and power generated are also given side by side in this Table.

A large number of company-owned undertakings are operating in Maharashtra (55), Gujarat (36), Uttar Pradesh (26) and West Bengal (26). In other States, their number is 14 or less, each. In Andhra Pradesh, Jammu & Kashmir, Orissa and Union Territories (except Goa, Daman and Diu and Pondicherry) there are no company owned undertakings.

2.2. *Installed Generating Plant Capacity and Electricity Production*—The total installed plant capacity and the corresponding generation in the public utility undertakings were 6,228, 533 kW and 25,498 million kWh respectively, at the end of the year as per details shown below—

	Total installed capacity (kW)	Generation (Million kWh)
Governments/State Electricity Boards .. .. .	4,079,005	15,835·778
Power Corporation .. .. .	524,000	2,803·788
Municipalities .. .. .	138,704	332·336
Companies .. .. .	1,486,824	6,525·870
<b>Total</b> ..	<b>6,228,533</b>	<b>25,497·772</b>

2.3. *Additions to Generating Capacity*—During the year 621,135 kW of generating capacity was added and 5796 kW of plant capacity was withdrawn, resulting in a net increase of 563,339 kW. The installed capacity of 136,000 kW in Chola Power Station of the Central Railway which was included under electric utilities in the previous Reviews i.e., up to 1962-63, is shown here separately under Indian Railways.

The aggregate plant capacity added by the different States was as follows—

	Steam including gas turbine (kW)	Diesel (kW)	Hydro (kW)	Total
Andhra Pradesh .. .. .	20,000	8,378	9,000	37,378
Assam .. .. .	..	4,019	..	4,019
Bihar .. .. .	30,000	3,910	..	39,910
Gujarat .. .. .	45,000	9,023	..	54,023
Jammu & Kashmir .. .. .	..	100	640	740
Kerala .. .. .	..	200	45,000	45,200
Madhya Pradesh .. .. .	10,000	2,683	23,000	35,683
Madras .. .. .	..	..	59,400	59,400
Maharashtra .. .. .	..	10,913	..	10,913
Mysore .. .. .	11,100	2,800	31,200	45,100
Orissa .. .. .	..	..	61,500	61,500
Punjab .. .. .	6,800	2,881	100	9,781
Rajasthan .. .. .	3,000	2,842	..	5,842
Uttar Pradesh .. .. .	44,725	17,244	..	61,969
West Bengal .. .. .	110,000	1,679	800	111,979
<i>Union Territory—</i>				
Delhi .. .. .	36,000	..	..	36,000
Rest .. .. .	..	7,178	520	7,698
<b>Total</b> ..	<b>316,625</b>	<b>73,650</b>	<b>230,660</b>	<b>621,135</b>

The plant additions under Steam, Diesel and Hydro as above constitute 51.0 per cent, 11.9 per cent and 37.1 per cent of the total installed plant capacity added.

For further details about steam and gas turbine and hydro plants added during the year Tables 5 and 6 may be referred to. The boilers commissioned during 1963-64 are given in Table 7.

2.4. *Plant Withdrawn*—The plant withdrawn during the year was as follows—

Steam ..	..	..	..	..	..	..	..	..	..	..	..	21,838 kW
Diesel ..	..	..	..	..	..	..	..	..	..	..	..	35,713 kW
Hydro ..	..	..	..	..	..	..	..	..	..	..	..	245 kW
Total ..											67,796 kW	

2.5. *Classification of Generating Undertakings according to the Range of Installed Capacity, Generation and Maximum Demand*—Table 8 gives the number of generating undertakings grouped according to the range of installed plant capacity. The aggregate plant capacity and generation under each group are also given.

Tables 9 and 10 give the distribution of generating undertakings according to their aggregate generation and maximum demand respectively. 25 undertakings whose generation exceeded 50 million kWh each accounted for 98.5 per cent of the total power generated in India. Only 33 undertakings generated more than 10 million kWh each. 24 undertakings each having a demand of 10,000 kW and above accounted for 98 per cent of the total all India demand for power.

2.6. *Capacity and Generation by Ownership and Type of Plant*—Table 11 gives the installed plant capacity and generation classified according to ownership of plant. It will be seen that 76 per cent of the installed plant was in the public sector and this generated 74.4 per cent of the total power. Against an increase of 9.6 per cent in the installed plant capacity during 1963-64 the corresponding increase in generation was 18.0 per cent. In the private sector, the installed plant capacity increased by 0.9 per cent and generation by 3.7 per cent respectively.

Table 12 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. This is summarised below—

	Public Sector		Private Sector		Total	
	Installed capacity %	Generation %	Installed capacity %	Generation %	Installed capacity %	Generation %
Steam .. ..	25.1	24.2	18.2	19.7	43.3	43.9
Diesel .. ..	4.6	0.9	1.3	0.5	5.9	1.4
Hydro .. ..	46.3	49.3	4.5	5.4	50.8	54.7
All India Total ..	76.0	74.4	24.0	25.6	100.0	100.0

Table 13 gives further details of installed plant capacity, maximum demand and generation by types of plant arranged Statewise. This Table covers data of all the electricity supply undertakings. The all-India totals are given below—

	Installed plant capacity (kW)	Maximum Demand (kW)	Generation (Million kWh)
Steam .. ..	2,698,480	2,185,407	11,186,328
Diesel .. ..	365,289	159,638	354,743
Hydro .. ..	3,166,764	2,910,658	13,956,701
Total .. ..	6,228,533	5,255,703	25,497,772

Tables 14, 15 and 16 give further details of plant capacity and generation according to type of plant and ownership.

2.7. *Generating Maximum Demand and Load Factor*—The aggregate maximum demand registered in public sector undertakings was 3,982,859 kW and that in the private sector undertakings was 1,272,844 kW. Table 17 gives the demand registered in the respective sectors, in each of the States.

It may be mentioned in this context that these demands are the aggregate of the individual power station demands and not of simultaneous maximum demands of the systems.

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

Type of power plant	Aggregate installed plant capacity (kW)	Energy generated (Million kWh)	Aggregate maximum demand (kW)	kWh generated per kW of plant capacity	% load factor based on columns 3 & 4	% Plant Demand Factor
1	2	3	4	5	6	7
Steam .. ..	2,696,480	11,186,328	2,185,407	4,149	58.4	81.0
Oil .. ..	335,289	354,743	159,638	971	25.4	43.7
Hydro .. ..	3,166,764	13,956,701	2,910,858	4,407	54.7	91.9
Total .. ..	6,228,533	25,497,772	5,255,703	4,094	55.4	84.4

2.8. *Steam Power Stations*—Table 18 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 capacity of plant. There were 49 stations whose capacities exceeded 10,000 kW each. Among these stations, 16 stations exceeded 50,000 kW capacity each. 38 stations had capacities ranging up to 10,000 kW. Out of these, only six stations had capacities up to 1,000 kW.

The 49 stations whose individual capacities exceeded 10,000 kW generated 97.3 per cent of the total power produced by the steam power stations. Among these stations only 16 whose individual capacity exceeded 50,000 kW generated 78.0 per cent. of the total power produced by all steam power stations.

Table 18 also gives the aggregate steam raising capacity of boilers which was 13,800 tonnes per hour which corresponded to 5.1 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—

	1962-63	1963-64	Percentage increase over 1962-63
No. of stations .. ..	83	87	..
Aggregate installed capacity (kW) .. ..	2,537,693	2,696,480	6.26
Total energy generated (Million kWh) .. ..	10,176,863	11,186,328	9.92
Capacity of boilers in tonnes per hour .. ..	13,341	13,800	3.44
Average capacity of boiler per kW of generating plant capacity (kg. per hour per kW).	5.3	5.1	(- )3.7
Fuel consumed (Tonnes) .. ..	7,995,689	8,759,461	9.54
Fuel consumed in kg./per kWh generated .. ..	0.78	0.78	..
Overall thermal efficiency (percentage) .. ..	20.0	22.5	12.55
Average plant load factor (percentage) .. ..	45.80	47.4	3.40

2.8.1. *Thermal Efficiency*—The average overall thermal efficiency of all the steam power stations was 22.5 per cent as compared to 20.0 per cent for the year 1962-63. For details, Table 18, may be seen wherein the thermal efficiency is given according to capacity groupings of power stations. In the case of stations of capacity above 100,000 kW each, the average efficiency was 25.6 per cent. Nearly 78 per cent. of the total power was generated in stations whose efficiency was 23.10 per cent. and above.

Table 19 shows the distribution of steam power stations according to their average overall thermal efficiency. 25 power stations with aggregate installed capacity of 71 per cent of the total steam plant installed were working with efficiencies from 20 per cent and above and generated 82 per cent of the energy. 3 stations worked at efficiencies between 25 per cent. to 30 per cent. and 5 stations, above 30 per cent. efficiency.

The maximum steam pressure and temperature adopted in the steam power stations was 105 kg. per sq. cm. and 540°C respectively.

2.9. *Diesel Power Stations*—Table 20 gives the classification of diesel power stations according to the range of installed plant capacity. It shows that out of 594 stations in operation, only 95 stations had capacities in excess of 1,000 kW each and accounted for 62.9 per cent of the total diesel plant capacity. These plants produced 63.4 per cent of the total power generated by all the diesel stations and consumed 113,089 tonnes of fuel. The specific fuel consumption of these stations varied from 0.36 to 0.28 kg. per kWh. The All-India average consumption was 0.32 kg. per kWh generated. The position for diesel plants is compared below with the position in the previous years.

	1962-63	1963-64	Percentage increase over 1962-63
Number of generating stations .. .. .	620	694	..
Aggregate installed capacity (kW) .. .. .	327,162	365,289	11.1
Total energy generated (Million kWh) .. .. .	383,667	354,743	(- )7.5
Fuel consumed (tonnes) .. .. .	119,470	118,089	(- )5.4
Fuel consumed kg. per kWh generated .. .. .	0.312	0.319	2.2
Average plant load factor (%) .. .. .	13.38	11.1	(- )17.1

2.10. *Hydro Power Stations*—Table 21 gives the classification of hydro stations according to the range of installed capacity.

Among 70 hydro stations, 40 stations had capacities exceeding 10,000 kW each and accounted for 98.4 per cent of total installed hydro plant capacity. These stations generated 98.6 per cent of the total power produced by all the hydro power stations in India.

The position for hydro stations is summarised below—

	1962-63	1963-64	Percentage increase over 1962-63
Number of hydro stations .. .. .	67	70	..
Aggregate plant capacity (kW) .. .. .	2,936,349	3,166,764	7.85
Total energy generated (Million kWh) .. .. .	11,804,642	13,956,701	18.25
Average plant load factor (%) .. .. .	46.20	50.31	8.91

2.11. *Installed Power Plant According to AC and DC Generation—*

2.11.1. Out of 751 power stations under review 694 stations generated alternating current, 10 both alternating and direct current and the remaining 47 generated only direct current. Table 22 shows the corresponding plant capacity and generation.

2.11.2. 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 24, 25 and 26 give the distribution of AC and DC plant capacity under steam, diesel and hydro categories according to ownership and range of installed plant capacity. The information contained in these Tables are summarised below—

	A.C. Plant			D.C. Plant			Total
	Steam	Diesel	Hydro	Steam	Diesel	Hydro	
<i>Public Sector—</i>							
Number of sets ..	191	1,593	225	..	105	..	2,114
Installed capacity (kW)	1,565,535	280,258	2,939,160	..	6,756	..	4,741,709
<i>Private Sector—</i>							
Number of sets ..	118	335	35	3	62	..	543
Installed capacity (kW)	1,130,675	71,880	277,604	270	6,395	..	1,486,824
Total number ..	309	1,928	250	3	167	..	2,657
Total capacity (kW) ..	2,696,210	352,138	3,166,764	270	13,151	..	6,229,533

2.12. *Voltage of Generation*—Generation voltage in India ranged from 230 volts to 33,000 volts in the case of A.C. generating sets, while for the D.C. generating sets it ranged from 110 volts to 500 volts. The most popular voltage for A.C. generation is 11 kV. Classification of generating sets according to the voltage of generation is given in Table 27.

2.13. *Fuel Consumption*—The coal and diesel oil consumed in the steam and diesel power stations in the various States in the year 1963-64 are given in Table 28. The steam power stations consumed 8,759,461 tonnes of coal (including coal equivalent of furnace oil) and the diesel stations consumed 113,089 tonnes of diesel oil for power generation.

The average coal consumption per kWh generated by steam plants including reciprocating steam plants was 0.78 kilogram per kWh and the average diesel oil consumption for the diesel power stations was 0.32 kilogram per kWh.

2.14. *Jointly Owned Projects*—Table 29 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 offtake by the participating States. 861,500 kW of plant capacity was under joint ownership. The net energy offtake from these Projects was 4,075.304 million kWh.

2.15. *Per Capita Installed Capacity*—Table 30 gives the installed capacity per sq. kilometre and per thousand of population respectively for each of the States in India.

During the period under review, the All-India aggregate installed plant capacity increased to 1.89 kW/sq. kilometre and 13.38 kW per thousand of population against 1.77 and 12.70 respectively in the previous year. For this purpose, the population is estimated by adding to each year's population the average percentage rise per year during the last decade, as indicated in the Census Reports.



## 3. ENERGY UTILISATION

Table 31 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 losses. 3.6% of the total energy generated and purchased was utilised by the power station auxiliaries. 81.1% of the net energy was sold to ultimate consumers. The losses from all sources were 15.3% of the total available energy.

Table 32 gives further details of energy generated, purchased and utilised in the different States by all the Electricity Supply Undertakings. The inter-State sale/transfer of power from undertakings in one State to those in the other was 3,273 million kWh and represents 13.3% of the total sales in India. The Electricity Supply Undertakings also purchased 3.2% of the power needs from the non-electric undertakings. This Table also gives Statewise, the energy consumed by the power station auxiliaries, losses in transformation, transmission and distribution systems and unaccounted losses.

Table 33 gives details of energy generated, purchased, and utilised by State Electricity Boards and Government Departments and the Delhi Electric Supply Undertaking. The details of the above two Tables are summarised below:—

		(Million kWh)	
		State Electricity Boards/Govt. Departments	All India
1.	Total energy generated .. .. .	18,931.162	25,497.772
2.	Energy purchased from :		
	(a) Non-electric utilities in the State .. .. .	854.262	856.305
	(b) Other electric utilities within the State .. .. .	635.197	..
	Total power from all sources (1+2) ..	20,420.621	26,354.077
3.	Energy used in station auxiliaries .. .. .	634.236	948.007
4.	Energy sent out .. .. .	19,786.385	25,406.070
5.	Energy sold .. .. .	16,623.946	21,379.664
6.	Energy lost in transformation, transmission, distribution and unaccounted losses ..	3,162.439	4,026.406
7.	Loss as percentage of energy sent out .. .. .	15.98%	15.84%

3.1. *Energy Sales*—Table 34 gives the sales to ultimate consumers who are classified under seven broad categories. 9.7% of the total powers was sold for domestic light and small power, 5.5% for commercial lighting, heating and small power, 73.5% for industrial power, 1.1% for public lighting, 2.2% for Railways and Tramways, 5.4% for irrigation and dewatering and 2.6% for public water works and sewage pumping.

The percentage increase in power sold during the year to domestic light and small power, commercial light and small power, and the industrial power, consumers was 7.5%, 12.5% and 19.8% respectively. Power consumed by Railways and Tramways and irrigation and dewatering services increased by 32.3% and 4.5% respectively and public water works and sewage pumping by 4.9%. The net average increase in power sales to all classes of consumers was 16.7% over that in the previous year.

Table 35 gives the segregation of net energy sold in each State according to different categories of consumption. Domestic and commercial power supplies are further sub-divided into two categories (a) lights and fans (b) heat and small power. Similarly the industrial power supply is sub-divided into low voltage and high voltage categories.

Similar segregation of net power sold in each State by State Electricity Board and Government Electricity Department is given in Table 36.

3.2. *Electricity Consumption—per capita*—The average per capita consumption of electricity for the Indian Union was 54.44 kWh in 1963-64 as compared to 48.48 kWh for the year 1962-63. The per capita consumption thus increased by 12.2% over that in the previous year.

Table 37 gives the annual per capita consumption of electricity in public utilities under five classes of utilisation in the different States based on population figures as estimated on 1st April, 1964. 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 population figures have been adjusted to take into account the annual rate of growth in each State as reported in the population census for the last decade. The per capita consumption as computed on this basis for the years 1951, 1956, 1960-61, 1962-63 and 1963-64 are given below—

Year	Per capita consumption		
	Public utilities (kWh)	Non-electric utilities (industrial establishments) (kWh)	Total (kWh)
1963-64	45.94	8.50	54.44
1962-63	41.03	7.45	48.48
1960-61	31.85	6.30	38.15
1956	20.70	5.70	26.40
1951	13.25	4.53	17.78

The per capita consumption in 1963-64 was about three times that in 1951.

The Delhi State showed the highest overall per capita consumption of electricity of 200.7 kWh.

3.3. *Progress of Electricity Supply Industry*—The All-India progress of electricity supply and the progress in each of the States and the Union Territories from 1951 to 1963-64 are indicated respectively in Table 38 and Tables 39 (1) to 39 (17). Table 38 gives the progress of electricity on the All-India basis giving details of installed plant capacity under steam, diesel and hydro respectively and also maximum demand kilowatt-hours generated per kW of capacity etc. from the year 1939 onwards. The latter 17 Tables give the installed capacity, generation, purchase and sale of power inside and outside each State.

The All-India index numbers (with 1951 as the base year) for some of the salient features of the electricity supply industry are given in Table 40.

#### 4. TRANSMISSION AND DISTRIBUTION

4.1. *Transmission and Distribution Lines*—The length of transmission and distribution lines in circuit kilometres under different voltages, is given below. The comparative position in the previous year may also be seen.

Voltage	1963-64		1962-63		% increase
	O.H.	U.G.	O.H.	U.G.	
22 kV	14,479.6	283.0	12,819.1	353.7	13.8
33 kV	24,299.3	530.7	20,604.3	447.0	18.0
44/37.5 kV	2,701.8	..	2,714.3	..	(—) 0.5
78/66 kV	15,107.7	..	13,880.5	..	9.0
110/90 kV	8,018.2	..	8,215.3	..	(—) 2.4
132 kV	10,524.0	..	9,371.1	..	12.3
220/230 kV	2,110.5	..	1,197.4	..	76.3
	77,241.1	813.7	68,582.0	800.7	12.5

O.H. = Overhead line.

U.G. = Underground cable.

The length of the lines in different States is given in Table 41. The total length of transmission and distribution lines added during the year was 27,400 circuit kilometres.

Some of the more important transmission lines commissioned during the year are given in Table 42.

4.2. *Transformers*—The total number of transformers installed was 79,101 in the public electricity supply undertakings at the end of the year. Their aggregate capacity was 22,095,240 kVA as classified below—

	Number	Aggregate capacity (kVA)
Step-up transformers .. .. .	894	5,625,308
Step-down transformers .. .. .	2,692	11,108,935
Distribution transformers .. .. .	75,515	5,360,997
Total ..	79,101	22,095,240

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 43. Some of the large power transformers commissioned during the year are indicated in Table 44.

4.3. *Consumer and Connected Load Data*—The particulars relating to the consumers and their connected loads, presented in Tables 45 and 46, are summarised below—

	Number of consumers			Total connected load kW
	A.C.	D.C.	Total	
Domestic light and small power .. .. .	4,802,751	308,031	5,110,782	2,795,103
Commercial light and small power .. .. .	1,088,234	108,175	1,196,409	1,019,365
Industrial power .. .. .	227,180	14,611	241,791	5,153,977
Public lighting .. .. .	37,241	75	37,316	86,583
Railways and Tramways .. .. .	168	3	171	184,442
Public Water Works & Sewage Pumping .. .. .	4,016	58	4,074	142,919
Irrigation and dewatering .. .. .	335,181	26	335,207	1,415,845
Total ..	6,494,771	430,979	6,925,750	10,798,234

The number of consumers at the beginning of the year was 5,909,900. During the year 1,015,850 new consumers were given power supply, thus recording a rise of 17.2 % in their number.

4.4. *Towns and Villages Electrified*—Power supply was extended to 4868 additional villages bringing the total number of towns and villages electrified to 41,144 as on 31-3-64. Table 47 shows the State-wise distribution of towns and villages electrified.

### 5. POWER GENERATED AND USED IN SELECTED INDUSTRIES

872 industrial establishments consumed 12,098 million kWh. Out of this 9,177 million kWh of energy was purchased from public electric utilities and 4,394 million kWh of energy was generated in the power plants owned by 299 industrial establishments. The industries sold 1,195 million kWh of energy to outside parties. The total power consumed by the industries during 1963-64 registered an increase of 9.65% over the consumption in the previous year. The generating plant capacity of the industries increased by 5.59%.

The industrywise and State-wise data of generating plant capacity, maximum demand, energy generation and purchase relating to selected industries are given in Tables 48 and 49. Data of only those industrial establishments, who have reported, are included in this review and does not fully cover all the industries in India.

The total installed plant capacity in the industrial power stations was 1,186,957 kW. This capacity was about 15.58 % of the total installed plant capacity in the power stations owned by both the public utilities and industrial undertakings including Indian Railways.

The cotton textiles, fertilizers, iron and steel (Primary), aluminium (Primary) and jute industries were large purchasers of power from electricity supply undertakings. Collieries, sugar, paper, iron and steel (Primary), cement (Primary), oil and petroleum 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 50. 19 undertakings with plant capacity of 10,000 kW and above produced 79.12% of the total power generated in the industrial power stations. 96 industries with plant capacity in the range of 1,000 to 10,000 kW generated 18.54% of the total power and a large number (184) of industries generated only 2.34% of the total electricity production by all the industries.

Tables 51 and 52 give the installed generating plant capacity and consumption of energy in 22 classified industries and in the miscellaneous category in each State. The power consumption and load factor of a few important industries are summarised below--

Name of industry	Energy consumption (Million kWh)	Load factor %
(1)	(2)	(3)
1. Aluminium (Primary)	730.750	91.66
2. Cement (Primary)	1,009.044	64.46
3. Collieries	613.157	19.94
4. Cotton textiles	2,495.075	54.81
5. Iron and steel (Primary)	2,126.950	46.30
6. Fertilizers	1,946.234	83.51
7. Paper	570.916	62.36
8. Sugar	166.136	15.99

### 6. RAILWAYS

Electricity statistics in respect of Indian Railways is shown separately. The Chola Power Station of the Central Railway which was hitherto being covered under public utilities is now brought under Railways.

Table 53 gives the data for each of the eight Railways in India. The Central Railway had 72.12% and other Railways had capacities varying from 2.14% to 6.05% of the total installed plant capacity of the Railways.

The salient features of the Railway Power Stations are summarised below—

Aggregate installed plant capacity (kW)	..	..	..	..	..	..	..	..	201,827
Maximum demand (kW)	..	..	..	..	..	..	..	..	110,081
Generation (Million kWh)	..	..	..	..	..	..	..	..	412,400
Consumption in station auxiliaries (Million kWh)	..	..	..	..	..	..	..	..	37,629

The steam power stations of the Railways generated 383·555 million kWh and the diesel stations 28·845 million kWh. Besides, the Railways purchased 477·923 million kWh from the electric utilities.

#### 7. ELECTRICAL ACCIDENTS

Table 54 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 facts are summarised below—

Section of Undertakings	Number of fatal accidents	
	Electricity Supply Undertakings	Industrial Undertakings
Generation	20	2
Transmission	181(10*)	15
Distribution	387(138*)	63
Total	588(148*)	70

\*Accidents to animals.

The fatal accidents in electricity supply undertakings were quite large compared to that in industrial undertakings. The exposure to accidents is large in the distribution of electricity. The accidents in distribution is 19·3 times that in generation in respect of electricity supply undertakings. In the case of industrial undertakings it is 31·5 times.

#### 8. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS 1962-63

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. 1,04,106 lakhs as against Rs. 91,526 lakhs at the end of 1961-62. (Table 55) covering 5,774,500 kW of installed plant capacity and a sale of 18612·559 MkWhrs. This takes into account the data received from 269 out of 313 undertakings owned and operated by the State Electricity Boards; Government Departments, Power Corporations, Municipalities, and Private licensees.

Of the remaining 44 undertakings, 26 companies and 18 municipal-owned undertakings cover only 0·09 per cent of the total installed capacity and their exclusion would not, therefore, affect appreciably the operations of the industry. The break-up of the assets according to ownership is given below :—

	1961-62 (Rs. lakhs)	1962-63 (Rs. lakhs)
1. Government and Boards	69,646*	81,396*
2. Municipalities	5,057	5,411
3. Private Companies	16,823	17,309
Total	91,526	1,04,106

\*Including works-in-progress of a few 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 1962-63 indicates that the equity and preference share capital as at the end of the year 1962-63 was Rs. 3,794 lakhs and Rs. 657 lakhs as against Rs. 3,864 lakhs and Rs. 679 lakhs respectively at the end of 1961-62, Table 56(a). The secured loan capital increased from Rs. 1,850 lakhs in 1961-62 to Rs. 1,871 lakhs in 1962-63 Table 56(a). The decrease in the share capital during the year has been due to acquisition of some of the private licensee undertakings by the State Electricity Boards.

## 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 below:—

I. Sale of electricity	1961-62 (Rs. lakhs)	1962-63 (Rs. lakhs)
(i) Domestic and residential	3,948	4,454
(ii) Commercial	1,285	1,379
(iii) Industrial	6,877	8,223
(iv) Public Water Works and Sewage Pumping	200	237
(v) Traction	48	37
(vi) Public lighting maintenance	454	519
(vii) Irrigation	700	1,038
(viii) Other revenue	3,652	4,011
Total	17,062	19,859

10.2. The total revenue ownershipwise is given below:—

	1961-62 (Rs. lakhs)	%	1962-63 (Rs. lakhs.)	%
1. Government/State Electricity Boards	10,009	58.7	12,071	60.8
2. Municipalities	1,480	8.7	1,658	8.3
3. Companies	5,573	32.6	6,129	30.9
Total	17,062	100.0	19,858	100.0

## 11. REVENUE PER kWh SOLD UNDER EACH CATEGORY

The average overall revenue by sale of electricity (excluding other revenue) for the year 1962-63 was 8.48 paise per unit as compared to 8.15 paise per unit during the year 1961-62. Table 57 gives the revenue realised by each category of consumers for the electricity supply industry as a whole.

## 12. TENTATIVE FINANCIAL RESULTS OF THE STATE ELECTRICITY BOARDS DURING 1963-64

A few broad particulars of the tentative financial results of operations of the State Electricity Boards for the year 1963-64 are detailed below—

	(Rupees in lakhs)		
	State Electricity Boards/ Depts./ Power Corporation	Munici- palities	Private Companies
1. Total fixed assets	87,448	6,049	18,870
2. Gross revenue	14,582	1,915	7,383
3. Total operating expenses including depreciation but excluding interest	10,396	1,521	5,769
4. Surplus	4,185	394	1,614

TABLE 1—SALIENT FEATURES OF THE ELECTRICITY SUPPLY INDUSTRY

Year	1951	1956	1960-61	1962-63	1963-64
<b>1. AUTHORISED UNDERTAKINGS—</b>					
<i>(a) Generating—</i>					
(i) Public sector .. .. .	188	46	42	44	44
(ii) Private sector .. .. .	227	179	130	95	80
Total .. .. .	415	225	172	139	124
<i>(b) Distributing—</i>					
(i) Public sector .. .. .	81	23	32	34	37
(ii) Private sector .. .. .	89	122	133	140	138
Total .. .. .	170	145	165	174	175
GRAND TOTAL .. .. .	585	370	337	313	299
<b>2. GENERATING CAPACITY (kW)—</b>					
Steam Plant .. .. .	1,097,567	1,596,412	2,436,255	2,537,693*	2,696,480
Diesel Plant .. .. .	162,680	228,288	300,135	327,152	365,289
Hydro Plant .. .. .	575,179	1,061,441	1,916,661	2,936,349*	3,166,764
Total .. .. .	1,835,426	2,886,141	4,653,051	5,801,194*	6,228,533
<b>3. OUT-PUT (Million kWh)—</b>					
Steam Plant .. .. .	2,779·059	5,133·900	8,732·409	10,176·863	11,186·328
Diesel Plant .. .. .	219·646	233·356	368·022	383·567	354·743
Hydro plant .. .. .	2,859·698	4,294·877	7,836·581	11,804·542	2,13,956·701
Total .. .. .	5,858·403	9,662·133	16,937·012	22,364·972	25,497·772
<b>4. ENERGY PURCHASED FROM NON-ELECTRIC UTILITIES (million kWh) .. .. .</b>					
	17·737	18·642	223·041	471·235	856·305
<b>5. ENERGY USED BY POWER STATION AUXILIARIES (million kWh) .. .. .</b>					
	218·317	336·447	721·864	912·564	948·007
<b>6. SALES (million kWh)—</b>					
(a) Domestic light & small power ..	594·080	934·122	1,492·291	1,917·833	2,062·399
(b) Commercial light & small power ..	330·016	545·851	847·735	1,048·594	1,179·716
(c) Industrial .. .. .	3,058·889	5,323·424	9,696·415	13,109·832	15,705·179
(d) Public lighting .. .. .	67·602	117·767	193·241	244·852	244·470
(e) Railways/Tramways .. .. .	329·594	404·925	453·923	723·844	477·923
(f) Irrigation and dewatering .. .. .	203·048	316·178	832·921	1,103·527	1,153·180
(g) Public water works and sewage pumping .. .. .	210·115	317·078	436·190	530·539	556·797
Total .. .. .	4,793·344	7,959·345	13,952·716	18,679·021	21,379·664

\*Revised figures for 1962-63.

TABLE 1—contd.

Year	1951	1956	1960-61	1962-63	1963-64
7. ENERGY LOST IN TRANSFORMATION; TRANSMISSION AND DISTRIBUTION AND UNACCOUNTED FOR .. .. .	864.479	1,334.983	2,485.473	3,244.622	4,026.406
8. FUEL CONSUMPTION (Tonnes)—					
(a) Coal* .. .. .	2,478,199	4,067,348	6,699,590	7,995,689	8,759,461
(b) Diesel .. .. .	73,148	76,261	111,974	119,470	113,089
9. MAXIMUM DEMAND (kW) .. .. .	1,205,194	1,989,774	3,545,930	4,635,049	5,255,703
10. TRANSMISSION AND DISTRIBUTION LINES KM .. .. .	39,380.00†	85,000.00†	1,46,737.26†	385,738.60	413,138.6
11. NO OF CONSUMERS—					
(a) Domestic light and small power ..	1,307,059	2,180,659	3,666,889	4,460,954	5,110,782
(b) Commercial light & small power ..	273,280	469,845	672,554	957,239	1,196,409
(c) Industrial power including Railways/ Tramways and public water works and sewage pumping .. .. .	70,704	108,756	178,692	211,084	246,036
(d) Public lighting .. .. .	2,367	3,694	15,126	18,323	37,316
(e) Irrigation and dewatering .. .. .	24,395	62,848	195,902	256,300	335,207
Total .. .. .	1,677,805	2,825,802	4,729,163	5,909,900	6,925,750
12. CONNECTED LOAD (kW)—					
(a) Domestic light & small power ..	858,958	1,319,328	2,234,786	2,543,483	2,795,103
(b) Commercial light and small power ..	327,579	407,631	526,070	807,617	1,019,365
(c) Industrial power including Railways/ Tramways and Public Water Works & Sewage Pumping .. .. .	1,723,110	2,632,280	4,561,915	4,904,509	5,481,338
(d) Public lighting .. .. .	22,723	36,805	76,155	67,270	86,583
(e) Irrigation and dewatering .. .. .	140,421	327,774	826,530	1,087,235	1,415,845
Total .. .. .	3,072,791	4,723,818	8,225,456	9,410,114	10,798,234
13. ELECTRIFIED TOWNS AND VILLAGES	4,051	8,751	23,969	36,240	44,144
14. CAPITAL EXPENDITURE (Rs. crores) ..	169.1	516.9	758.8	1041.1	..
15. NON-ELECTRIC UTILITIES—					
(i) INSTALLED PLANT CAPACITY (kW)—					
(a) Self generating industry .. .. .	627,977	759,650	1,001,372	1,124,104	1,186,957
(b) Railways .. .. .	..	..	..	..	201,827
(ii) GENERATION (Million kWh)—					
(a) Self generating industry .. .. .	1,655.568	2,209.509	3,186.104	3,862.301	4,394.201
(b) Railways .. .. .	..	..	..	..	412.400
16. PER CAPITA GENERATION (UTILITIES AND NON-ELECTRIC UTILITIES).	20.8	30.9	43.9	57.6	65.2
17. PER CAPITA CONSUMPTION (UTILITIES AND NON-ELECTRIC UTILITIES).	17.8	26.4	38.2	48.5	54.4

\*Includes furnace oil in terms of equivalent coal.

†Excludes L.T. Lines upto 500 volts.

Previous electricity statistics in respect of Indian Railways was not compiled except that for the Chola Power Station of Central Railway which was covered under public utilities.



TABLE 2—ACQUISITION OF ELECTRICITY SUPPLY UNDERTAKINGS

Name of the undertaking	Prior ownership	By whom acquired
<i>Generating—</i>		
1. Barpeta Mouza .. ..	Company .. ..	Assam State Electricity Board.
2. Limbdi .. ..	Company .. ..	Gujarat Electricity Board.
3. Muli .. ..	Municipal .. ..	Gujarat Electricity Board.
4. Tapi .. ..	Company .. ..	Gujarat Electricity Board.
5. Dhondaicha .. ..	Municipal .. ..	Maharashtra State Electricity Board.
6. Yeola .. ..	Municipal .. ..	Maharashtra State Electricity Board.
7. Rabkavi .. ..	Company .. ..	Mysore State Electricity Board.
8. Beawar .. ..	Company .. ..	Rajasthan State Electricity Board.
9. Nagaur .. ..	Company .. ..	Rajasthan State Electricity Board.
10. Banda .. ..	Company .. ..	Uttar Pradesh State Electricity Board.
11. Jhansi .. ..	Company .. ..	Uttar Pradesh State Electricity Board.
12. Narela .. ..	Company .. ..	Delhi Electric Supply Undertaking.
<i>Distributing—</i>		
13. Calicut .. ..	Company .. ..	Kerala State Electricity Board.
14. Seoni .. ..	Company .. ..	Madhya Pradesh Electricity Board.
15. Poona .. ..	Company .. ..	Maharashtra State Electricity Board.
16. Yeotmal .. ..	Company .. ..	Maharashtra State Electricity Board.
17. Bhatinda .. ..	Company .. ..	Punjab State Electricity Board.
18. Sambhar Lake .. ..	Company .. ..	Rajasthan State Electricity Board.
19. Auraiya .. ..	Company .. ..	Uttar Pradesh State Electricity Board.
20. Ghazipur .. ..	Company .. ..	Uttar Pradesh State Electricity Board.
21. Hardoi .. ..	Company .. ..	Uttar Pradesh State Electricity Board.
22. Hathras .. ..	Company .. ..	Uttar Pradesh State Electricity Board.

TABLE 3—UNDERTAKINGS WHICH HAVE CHANGED OVER FROM OWN GENERATION TO PURCHASE OF BULK POWER

Sl. No.	Name of the undertaking	Type of ownership	Name of State	Source of supply
1	Sijua (Jherriah) .. ..	Company	Bihar ..	Bihar State Electricity Board.
2	Kapadwanj .. ..	Company	Gujarat ..	Gujarat Electricity Board.
3	Visnagar .. ..	Municipal	Gujarat ..	Gujarat Electricity Board.
4	Baramati .. ..	Company	Maharashtra ..	Maharashtra State Electricity Board.
5	Junnar .. ..	Company	Maharashtra ..	Maharashtra State Electricity Board.
6	Mahad .. ..	Company	Maharashtra ..	Maharashtra State Electricity Board.
7	Matheran .. ..	Company	Maharashtra ..	Maharashtra State Electricity Board.
8	Sinnar .. ..	Company	Maharashtra ..	Maharashtra State Electricity Board.
9	Udaipur .. ..	Company	Rajasthan ..	Rajasthan State Electricity Board.
10	Kosi Kalan .. ..	Company	Uttar Pradesh ..	Uttar Pradesh State Electricity Board.
11	Mussoorie .. ..	Municipal	Uttar Pradesh ..	Uttar Pradesh State Electricity Board.

TABLE 4—STATEWISE DISTRIBUTION OF UNDERTAKINGS WITH THEIR INSTALLED GENERATING PLANT CAPACITY AND GENERATION

Sl. No.	Name of State/Union Territory/Power Corporation	Government/State Electricity Board/Power Corporation			Municipality			Company			Total		
		No. of undertakings	Installed generating capacity (kW)	Energy generated (million kWh)	No. of undertakings	Installed generating capacity (kW)	Energy generated (million kWh)	No. of undertakings	Installed generating capacity (kW)	Energy generated (million kWh)	No. of undertakings	Installed generating capacity (kW)	Energy generated (million kWh)
1	Andhra Pradesh ..	1	296,851	1,274.648	..	..	..	..	..	..	1	296,851	1,274.648
2	Assam .. ..	1	23,010	43.180	..	..	..	5	6,355	13.922	6	29,365	57.102
3	Bihar .. ..	1	46,778	50.560	..	..	..	10	34,696	125.738	11	81,474	176.298
4	Gujarat .. ..	1	168,509	587.408	13	2,800	4.606	36	249,190	1,107.937	50	420,499	1,699.951
5	Jammu & Kashmir ..	1	32,288	89.491	..	..	..	..	..	..	1	32,288	89.491
6	Kerala .. ..	1	193,705	758.777	1	..	..	5	..	..	7	193,705	758.777
7	Madhya Pradesh ..	1	271,332	1,016.900	..	..	..	14	22,758	98.198	15	294,090	1,115.098
8	Madras .. ..	1	631,250	2,330.164	5	..	..	8	..	..	14	631,250	2,330.164
9	Maharashtra .. ..	1	396,009	2,072.150	11	2,206	0.582	55	487,289	2,266.108	67	885,504	4,338.840
10	Mysore .. ..	1	252,638	1,304.129	..	34	..	14	5,024	12.392	15	257,696	1,316.521
11	Orissa .. ..	1	288,210	911.071	..	..	..	..	..	..	1	288,210	911.071
12	Punjab .. ..	1	683,497	2,985.385	2	3,660	11.733	8	2,399	0.813	11	689,556	2,997.931
13	Rajasthan .. ..	1	65,142	59.250	7	476	0.246	8	11,621	20.914	16	77,239	80.410
14	Uttar Pradesh .. ..	1	665,672	2,166.543	13	10,556	13.692	26	89,140	303.532	40	765,368	2,483.767
15	West Bengal .. ..	1	56,245	173.199	1	3,200	7.748	26	576,312	2,573.714	28	635,757	2,751.661
16	Union Territories—												
	(a) Delhi .. ..	..	..	..	2	114,230	291.596	..	..	..	2	114,230	291.596
	(b) Andaman & Nicobar Islands.	1	1,430	2.034	..	..	..	..	..	..	1	1,430	2.034
	(c) Goa, Daman and Diu	1	1,980	2.645	2	1,542	2.133	1	2,040	2.602	4	5,562	7.380
	(d) Himachal Pradesh ..	1	990	1.100	..	..	..	..	..	..	1	990	1.100
	(e) Laccadive Minicoy Amindive Islands.	1	141	0.029	..	..	..	..	..	..	1	141	0.029
	(f) Manipur .. ..	1	850	2.721	..	..	..	..	..	..	1	850	2.721
	(g) Nagaland .. ..	1	725	0.871	..	..	..	..	..	..	1	725	0.871
	(h) Pondicherry .. ..	1	..	0.259	..	..	..	2	..	..	3	..	0.259
	(i) Tripura .. ..	1	1,753	3.264	..	..	..	..	..	..	1	1,753	3.264
17	Damodar Valley Corporation	1	524,000	2,803.788	..	..	..	..	..	..	1	524,000	2,803.788
	ALL INDIA .. ..	24	4,603,005	18,639.566	57	138,704	332.336	218	1,486,824	6,525.870	299	6,228,533	25,497.772

TABLE 5—STEAM AND GAS TURBINE GENERATING UNITS COMMISSIONED DURING 1963-64

Installed at	State	No. of sets	Capacity of each unit (kW)	Total capacity (kW)
Erragadda (Gas Turbine) .. ..	Andhra Pradesh .. ..	2	10,000	20,000
Barauni .. ..	Bihar .. ..	2	15,000	30,000
Shahpur .. ..	Gujarat .. ..	2	5,000	10,000
Bhavnagar* .. ..	Gujarat .. ..	1	5,000	5,000
Ahmedabad* .. ..	Gujarat .. ..	1	30,000	30,000
Korba .. ..	Madhya Pradesh .. ..	1	10,000	10,000
Ghataprabha .. ..	Mysore .. ..	2	550	1,100
Gas Turbine .. ..	Mysore .. ..	1	10,000	10,000
Surajpur† .. ..	Punjab .. ..	1	4,200	6,800
		1	2,600	
Jodhpur .. ..	Rajasthan .. ..	1	3,000	3,000
Harduaganj .. ..	Uttar Pradesh .. ..	1	30,000	30,000
Gorakhpur .. ..	Uttar Pradesh .. ..	1	1,600	4,725
		1	3,125	
Lucknow .. ..	Uttar Pradesh .. ..	1	10,000	10,000
Calcutta* .. ..	West Bengal .. ..	1	50,000	50,000
Durgapur Coke Oven‡ .. ..	West Bengal .. ..	2	30,000	60,000
Indraprastha Power Station ..	Delhi .. ..	1	36,000	36,000
	Total ..	23		316,625

\*These are installations made by Electric Supply Companies. Rest of the plant are installed by State Electricity Boards. Indraprastha power station belongs to Delhi Municipal Corporation.

†Surajpur power station was commissioned in May, 1962, but was not included in the last review due to late information.

‡Durgapur coke-oven power station has been taken under Public Utilities from 1963-64. Previously it was covered under self-generating industries.

TABLE 6—HYDRO GENERATING UNITS COMMISSIONED DURING 1963-64

Installed at	State	No. of units	Capacity of each unit (kW)	Total capacity (kW)
Tungabhadra (Right Bank) ..	Andhra Pradesh .. .. .	1	9,000	9,000
Udhampur .. .. .	Jammu & Kashmir .. .. .	2	320	640
Neriamangalam .. .. .	Kerala .. .. .	1	15,000	15,000
Penniar .. .. .	Kerala .. .. .	2	15,000	30,000
Chambal (Gandhisagar) .. .. .	Madhya Pradesh .. .. .	1	23,000	23,000
Kundah I .. .. .	Madras .. .. .	1	21,600	21,600
Kundah II .. .. .	Madras .. .. .	1	37,800	37,800
Bhadra .. .. .	Mysore .. .. .	2	12,000	31,200
		1	7,200	
Hirakud I (Dam P.H.) .. .. .	Orissa .. .. .	1	37,500	61,500
Hirakud II (Chiplima P.H.) .. .. .	Orissa .. .. .	1	24,000	
Belling Nullah .. .. .	Punjab .. .. .	2	50	100
Bijanbari .. .. .	West Bengal .. .. .	1	300	300
Nogli .. .. .	Himachal Pradesh .. .. .	1	500	500
Chhaila .. .. .	Himachal Pradesh .. .. .	1	20	20
	Total .. .. .	19		230,680

TABLE 7—BOILERS COMMISSIONED DURING 1963-64

Installed at	State	No. of boilers	Evaporating capacity of each unit in 1000 kg/hr	Steam condition at the Stop Valve	
				Pressure in Kg./Sq. Cm.	Temperature °C
Shahpur .. .. .	Gujarat .. .. .	1	29.5	31.8	416
Ahmedabad* .. .. .	Gujarat .. .. .	2	72.6	61.5	498
Korba .. .. .	Madhya Pradesh .. .. .	1	36.3	30.2	404
Surajpur .. .. .	Punjab .. .. .	2	16.4	21.0	400
		1	7.5	20.0	
Harduaganj .. .. .	Uttar Pradesh .. .. .	1	90.8	63.3	496
Calcutta* .. .. .	West Bengal .. .. .	2	113.4	44.3	441
Durgapur Cokeoven .. .. .	West Bengal .. .. .	2	169.7	73.8	500
Indraprastha Power Station Delhi	Delhi .. .. .	2	..	..	..

\*Installations made by undertakings in the Private Sector.

Rest of the installations have been made by the Electricity Boards in the respective States. Indraprastha Power Station belongs to the Delhi Municipal Corporation.

TABLE 8—CLASSIFICATION OF GENERATING UNDERTAKINGS ACCORDING TO RANGE OF INSTALLED PLANT CAPACITY

Range of Installed plant capacity (kW)	Government/State Electricity Board			Municipality			Power Corporation			Companies			Total		
	No. of generating undertakings	Aggregate installed capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of generating undertakings	Aggregate installed capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of generating undertakings	Aggregate installed capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of generating undertakings	Aggregate installed capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of generating undertakings	Aggregate installed capacity of the group (kW)	Total energy generated by the group (million kWh)
Up to 500 ..	1	141	0.029	14	2,545	2.031	..	..	..	38	11,401	9.151	53	14,087	11.211
501 to 1,000 ..	2	2,665	4.961	2	1,276	2.116	..	..	..	10	9,954	12.909	14	13,795	19.976
1,001 to 2,500 ..	3	5,163	7.943	4	5,375	6.752	..	..	..	12	30,295	55.719	19	40,833	70.414
2,501 to 5,000 ..	..	..	..	2	6,860	19.480	..	..	..	7	27,342	61.158	9	34,202	80.638
5,001 to 10,000	..	..	..	..	8,418	10.361	..	..	..	3	25,207	78.099	3	33,625	88.460
10,001 to 25,000	1	23,010	43.180	..	..	..	..	..	..	5	121,350	470.739	6	144,360	513.919
25,001 to 50,000	1	79,066	140.051	..	..	..	..	..	..	1	28,500	83.295	2	107,566	223.346
50,001 to 100,000	1	121,367	232.449	..	..	..	..	..	..	1	60,000	411.702	2	181,397	644.151
Over 100,000 ..	11	3,847,673	15,407.175	1	114,230	291.596	1	524,000	2,803.788	3	1,172,775	5,343.098	16	5,658,678	23,845.657
Total ..	20	4,079,005	15,835.778	23	138,704	332.336	1	524,000	2,803.788	80	1,486,824	6,525.870	124	6,228,593	25,497.772

TABLE 9—CLASSIFICATION OF GENERATING UNDERTAKINGS ACCORDING TO ENERGY GENERATED

Range of generation Million kWh	Government/State Electricity Board		Power Corporation		Municipality		Company		Total	
	Number of generating under- takings	Total energy generated by the group (million kWh)	Number of generating under- takings	Total energy generated by the group (million kWh)	Number of generating under- takings	Total energy generated by the group (million kWh)	Number of generating under- takings	Total energy generated by the group (million kWh)	Number of generating under- takings	Total energy generated by the group (million kWh)
Upto 0.250 .. ..	1	0.029	..	..	15	0.906	25	2.604	41	3.539
0.251 to 0.500 ..	..	0.259	..	..	1	0.298	9	3.362	10	3.919
0.501 to 1.000 ..	1	0.871	..	..	..	1.553	8	8.271	9	10.695
1.001 to 2.500 ..	1	3.134	..	..	4	8.141	7	15.242	12	26.517
2.501 to 5.000 ..	3	8.630	..	..	..	..	6	21.779	9	30.409
5.001 to 10.000 ..	..	..	..	..	1	7.748	9	64.613	10	72.361
10.001 to 25.000 ..	..	..	..	..	1	22.094	5	73.275	6	95.369
25.001 to 50.000 ..	1	43.180	..	..	..	..	1	102.929	2	146.109
50.001 to 100.000 ..	2	199.301	..	..	..	..	5	478.995	7	678.296
100.001 to 250.000 ..	1	173.199	..	..	..	..	..	..	1	173.199
250.001 to 500.000 ..	..	..	..	..	1	291.596	1	411.702	2	703.298
500.001 to 1000.000 ..	3	2,257.256	..	..	..	..	1	851.211	4	3,108.467
1000.001 and above ..	7	13,149.919	1	2,803.788	..	..	3	4,491.887	11	20,445.594
Total ..	20	15,835.778	1	2,803.788	23	332.336	80	6,525.870	124	25,497.772

TABLE 10—CLASSIFICATION OF GENERATING UNDERTAKINGS ACCORDING TO MAXIMUM DEMAND

Range of Maximum Demand (kW)	Government/State Electricity Board		Power Corporation		Municipality		Company		Total	
	No. of generation undertakings	Aggregate maximum demand of the group (kW)	No. of generating undertakings	Aggregate maximum demand of the group (kW)	No. of generating undertakings	Aggregate maximum demand of the group (kW)	No. of generating undertakings	Aggregate maximum demand of the group (kW)	No. of generating undertakings	Aggregate maximum demand of the group (kW)
Up to 50 .. ..	1	30	..	..	11	158	18	283	30	471
51 to 250 .. ..	..	..	..	..	5	432	17	2,592	22	3,024
251 to 500 .. ..	1	380	..	..	2	1,303	13	4,582	16	6,265
501 to 1,000 .. ..	3	3,121	..	..	3	2,281	7	6,802	13	12,204
1,001 to 2,500 .. ..	1	2,389	..	..	..	..	12	25,800	13	28,189
2,501 to 5,000 .. ..	..	..	..	..	2	11,853	3	16,105	5	27,958
5,001 to 10,000 .. ..	..	..	..	..	..	..	1	25,600	1	25,600
10,001 to 25,000 .. ..	2	31,886	..	..	..	..	5	63,780	7	95,666
25,001 to 50,000 .. ..	2	96,571	..	..	..	..	..	29,500	2	126,071
50,001 to 100,000 .. ..	..	..	..	..	..	92,730	1	60,000	1	152,730
Over 100,000 .. ..	10	3,222,225	1	517,500	..	..	3	1,037,800	14	4,777,525
Total .. ..	20	3,356,602	1	517,500	23	108,757	80	1,272,844	124	5,255,703

TABLE 11—INSTALLED PLANT CAPACITY AND GENERATION BY OWNERSHIP

Ownership	No. of undertakings	Installed plant capacity			Generation		
		As on 31-3-1964 (kW)	Percentage of total	Increase in 1963-64 over 1962-63 %	Energy generated 1963-64 (Million kWh)	Percentage of total	Increase in 1963-64 over 1962-63 %
<i>(i) Public Sector—</i>							
(a) Government and State Electricity Board.	23	4,079,005	65.4	10.1	15,835.778	62.1	20.3
(b) Power Corporation ..	1	524,000	8.4	..	2,803.788	11.0	6.9
(c) Municipality ..	57	138,704	2.2	40.4	332.336	1.3	14.1
Sub-total ..	81	4,741,709	76.0	9.6	18,971.902	74.4	18.0
<i>(ii) Private Sector—</i>							
(a) Companies ..	218	1,486,824	24.0	0.9	6,525.870	25.6	3.7
Total ..	299	6,228,533	100.0	7.8	25,497.772	100.00	14.0

TABLE 12—INSTALLED CAPACITY AND GENERATION BY TYPE OF PLANT AND OWNERSHIP

Type of plant and ownership	Installed plant capacity as on 31-3-1964 (kW)	Percentage of total	Generation (million kWh)	Percentage of total
<b>A. STEAM</b>				
<i>Public Sector—</i>				
(a) Government and State Electricity Boards ..	10,53,935	16.9	3,411.476	13.4
(b) Power Corporation .. .. .	420,000	6.7	2,469.733	9.7
(c) Municipality .. .. .	91,600	1.5	281.947	1.1
<i>Private Sector—</i>				
(a) Company .. .. .	1,130,945	18.2	5,023.172	19.7
Sub-total ..	2,696,480	43.3	11,186.328	43.9
<b>B. DIESEL</b>				
<i>Public Sector—</i>				
(a) Government and State Electricity Boards ..	247,770	4.0	203.456	0.8
(b) Power Corporation .. .. .	39,244	0.6	22.779	0.1
(c) Municipality .. .. .	..	..	..	..
<i>Private Sector—</i>				
(a) Company .. .. .	78,275	1.3	128.508	0.5
Sub-total ..	365,289	5.9	354.743	1.4
<b>C. HYDRO</b>				
<i>Public Sector—</i>				
(a) Government and State Electricity Board ..	2,777,300	44.5	12,220.846	47.9
(b) Power Corporation .. .. .	104,000	1.7	334.055	1.3
(c) Municipality .. .. .	4,860	0.1	27.610	0.1
<i>Private Sector—</i>				
(a) Company .. .. .	277,804	4.5	1,374.190	5.4
Sub-total ..	3,166,764	50.8	13,956.701	54.7
Total ..	6,228,533	100.0	25,497.772	100.0



TABLE 13—INSTALLED PLANT CAPACITY, MAXIMUM DEMAND AND ENERGY GENERATED BY TYPE OF PLANT

Serial No.	Name of State/ Union Territory/ Power Corpora- tion	Steam			Diesel			Hydro			Total		
		Installed plant capacity (kW)	Maximum demand (kW)	Generation (million kWh)	Installed plant capacity (kW)	Maximum demand (kW)	Generation (million kWh)	Installed plant capacity (kW)	Maximum demand (kW)	Generation (million kWh)	Installed plant capacity (kW)	Maximum demand (kW)	Generation (million kWh)
1	Andhra Pradesh	103,500	67,950	233·336	13,351	6,114	4·706	180,000	179,700	1,036·606	296,851	253,764	1,274·648
2	Assam ..	..	..	..	19,425	7,775	20·553	9,940	7,863	36·549	29,365	15,638	57·102
3	Bihar ..	58,770	50,042	127·098	22,704	15,770	49·200	..	..	..	81,474	65,812	176·298
4	Gujarat ..	355,600	299,040	1,629·269	64,899	28,156	70·682	..	..	..	420,499	327,196	1,699·951
5	Jammu & Kashmir	1,500	..	..	1,536	..	..	29,252	19,700	89·491	32,288	19,700	89·491
6	Kerala ..	..	..	..	1,205	..	..	192,500	178,300	758·777	193,705	178,300	758·777
7	Madhya Pradesh	174,000	125,160	595·903	28,090	11,793	24·570	92,000	92,500	494·625	294,090	229,453	1,115·098
8	Madras ..	101,500	73,730	449·970	..	..	..	529,750	513,400	1,880·194	631,250	587,130	2,330·164
9	Maharashtra	307,250	293,885	1,411·567	54,366	25,589	72·495	523,888	547,000	2,854·778	885,504	866,474	4,338·840
10	Mysore ..	11,100	10,500	2·259	16,196	8,779	22·826	230,400	215,560	1,291·436	257,696	234,779	1,316·521
11	Orissa ..	5,750	..	..	12,460	1,977	2·712	270,000	156,200	908·359	288,210	158,177	911·071
12	Punjab ..	18,100	7,150	10·684	16,620	3,376	1·231	654,836	583,980	2,986·016	689,556	594,506	2,997·931
13	Rajasthan ..	47,850	26,510	44·904	29,389	10,193	35·506	..	..	..	77,239	36,703	80·410
14	Uttar Pradesh ..	380,710	268,380	1,202·779	42,688	12,812	14·467	341·970	296,939	1,266·521	765,368	578,131	2,483·767
15	West Bengal ..	618,150	478,400	2,724·846	10,099	5,443	11·621	7,508	8,071	18·194	635,757	491,914	2,754·661
16	Union Territories—												
	(a) Delhi ..	91,600	76,430	281·947	22,630	16,300	9·649	..	..	..	114,230	92,730	291·596
	(b) Andaman & Nicobar Islands.	1,100	520	1·774	330	200	0·260	..	..	..	1,430	720	2·034
	(c) Goa, Daman & Diu.	..	..	..	5,562	2,934	7·380	..	..	..	5,562	2,934	7·380
	(d) Himachal Pra- desh.	..	..	..	270	..	..	720	505	1·100	990	505	1·100
	(e) Laccadive, Mi- nicoy and Amin- divi Islands.	..	..	..	141	30	0·029	..	..	..	141	30	0·029
	(f) Manipur ..	..	..	..	850	838	2·721	..	..	..	850	838	2·721
	(g) Nagaland ..	..	..	..	725	380	0·871	..	..	..	725	380	0·871
	(h) Pondicherry	..	1,210	0·259	..	..	..	..	..	..	..	1,210	0·259
	(i) Tripura ..	..	..	..	1,753	1,179	3·264	..	..	..	1,753	1,179	3·264
17	Damodar Valley Corporation.	420,000	406,500	2,469·733	..	..	..	104,000	111,000	334·055	524,000	517,500	2,803·788
	Total ..	2,696,480	2,185,407	11,186·328	365,289	159,638	354·743	3,166,764	2,910,658	13,956·701	6,228,533	5,255,703	25,497·772

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TABLE 14—INSTALLED STEAM PLANT CAPACITY AND GENERATION BY OWNERSHIP

Sl. No.	Name of State/Union Territory/Power Corporation	Public Sector				Private Sector		Total	
		State Electricity Board/ Government/Power Corporation		Municipality		Company		Installed plant capacity (kW)	Energy generated (Million kWh)
		Installed plant capacity (kW)	Energy generated (Million kWh)	Installed plant capacity (kW)	Energy generated (Million kWh)	Installed plant capacity (kW)	Energy generated (Million kWh)		
1	Andhra Pradesh .. ..	103,500	233·336	..	..	..	..	103,500	233·336
2	Assam .. ..	..	..	..	..	..	..	..	..
3	Bihar .. ..	30,000	18·004	..	..	28,770	109·094	58,770	127·098
4	Gujarat .. ..	120,500	534·049	..	..	235,100	1,095·220	355,600	1,629·269
5	Jammu & Kashmir .. ..	1,500	..	..	..	..	..	1,500	..
6	Kerala .. ..	..	..	..	..	..	..	..	..
7	Madhya Pradesh .. ..	153,700	501·865	..	..	20,300	94·038	174,000	595·903
8	Madras .. ..	101,500	449·970	..	..	..	..	101,500	449·970
9	Maharashtra .. ..	119,750	560·356	..	..	187,500	851·211	307,250	1,411·567
10	Mysore .. ..	11,100	2·259	..	..	..	..	11,100	2·259
11	Orissa .. ..	5,750	..	..	..	..	..	5,750	..
12	Punjab .. ..	18,100	10·684	..	..	..	..	18,100	10·684
13	Rajasthan .. ..	47,850	44·904	..	..	..	..	47,850	44·904
14	Uttar Pradesh .. ..	294,585	900·656	..	..	86,125	302·123	380,710	1,202·779
15	West Bengal .. ..	45,000	153·360	..	..	573,150	2,571·486	618,150	2,724·846
16	Union Territories—								
	(a) Delhi .. ..	..	..	91,600	281·947	..	..	91,600	281·947
	(b) Andaman & Nicobar Islands .. ..	1,100	1·774	..	..	..	..	1,100	1·774
	(c) Goa, Daman & Diu .. ..	..	..	..	..	..	..	..	..
	(d) Himachal Pradesh .. ..	..	..	..	..	..	..	..	..
	(e) Laccadive, Minicoy and Amindivi Islands .. ..	..	..	..	..	..	..	..	..
	(f) Manipur .. ..	..	..	..	..	..	..	..	..
	(g) Nagaland .. ..	..	..	..	..	..	..	..	..
	(h) Pondicherry .. ..	..	0·259	..	..	..	..	..	0·259
	(i) Tripura .. ..	..	..	..	..	..	..	..	..
17	Damodar Valley Corporation	420,000	2,469·733	..	..	..	..	420,000	2,469·733
	Total .. ..	1,473,935	5,881·209	91,600	281·947	1,130,946	5,023·172	2,696·480	11,186·328

TABLE 15—INSTALLED DIESEL PLANT CAPACITY AND GENERATION BY OWNERSHIP

Sl. No.	Name of State/Union Territory/Power Corporation	Public Sector				Private Sector		Total	
		State Electricity Board/ Government/Power Corporation		Municipality		Company		Installed plant capacity (kW)	Energy generated (Million kWh)
		Installed plant capacity (kW)	Energy generated (Million kWh)	Installed plant capacity (kW)	Energy generated (Million kWh)	Installed plant capacity (kW)	Energy generated (Million kWh)		
1	Andhra Pradesh .. ..	13,351	4,706	..	..	..	..	13,351	4,706
2	Assam .. ..	14,610	11,904	..	..	4,815	8,649	19,425	20,553
3	Bihar .. ..	16,778	32,556	..	..	5,926	16,644	22,704	49,200
4	Gujarat .. ..	48,009	53,353	2,800	4,606	14,090	12,717	64,899	70,682
5	Jammu & Kashmir .. ..	1,536	..	..	..	..	..	1,536	..
6	Kerala .. ..	1,205	..	..	..	..	..	1,205	..
7	Madhya Pradesh .. ..	25,632	20,410	..	..	2,458	4,160	28,090	24,570
8	Madras .. ..	..	..	..	..	..	..	..	..
9	Maharashtra .. ..	28,435	25,933	2,206	0,582	23,725	45,980	54,366	72,495
10	Mysore .. ..	11,138	10,434	34	..	5,024	12,392	16,196	22,826
11	Orissa .. ..	12,460	2,712	..	..	..	..	12,460	2,712
12	Punjab .. ..	12,311	0,214	1,910	0,204	2,309	0,813	16,620	1,231
13	Rajasthan .. ..	17,292	14,346	476	0,246	11,621	20,914	29,389	35,506
14	Uttar Pradesh .. ..	33,267	9,592	6,406	3,466	3,015	1,409	42,688	14,467
15	West Bengal .. ..	5,697	7,500	1,240	1,893	3,162	2,228	10,999	11,621
16	Union Territories:—								
	(a) Delhi .. ..	..	..	22,630	9,649	..	..	22,630	9,649
	(b) Andaman & Nicobar Islands .. ..	330	0,260	..	..	..	..	330	0,260
	(c) Goa, Daman & Diu .. ..	1,980	2,645	1,542	2,133	2,040	2,602	5,562	7,380
	(d) Himachal Pradesh .. ..	270	..	..	..	..	..	270	..
	(e) Laccadive, Minicoy & Amindivi Islands .. ..	141	0,029	..	..	..	..	141	0,029
	(f) Manipur .. ..	850	2,721	..	..	..	..	850	2,721
	(g) Nagaland .. ..	725	0,871	..	..	..	..	725	0,871
	(h) Pondicherry .. ..	..	..	..	..	..	..	..	..
	(i) Tripura .. ..	1,753	3,264	..	..	..	..	1,753	3,264
17	Damodar Valley Corporation .. ..	..	..	..	..	..	..	..	..
	Total .. ..	247,770	203,456	39,244	22,779	78,275	128,508	365,289	354,743

TABLE 16—INSTALLED HYDRO PLANT CAPACITY AND GENERATION BY OWNERSHIP

Sl. No.	Name of State/Union Territory/Power Corporation	Public Sector				Private Sector		Total	
		State Electricity Board/ Government/Power Corporation		Municipality		Company		Installed plant capacity (kW)	Energy generated (kWh)
		Installed plant capacity (kW)	Energy generated (Million kWh)	Installed plant capacity (kW)	Energy generated (Million kWh)	Installed plant capacity (kW)	Energy generated (Million kWh)		
1	Andhra Pradesh .. ..	180,000	1,036·606	..	..	..	..	180,000	1,036·606
2	Assam .. ..	8,400	31·276	..	..	1,540	5·273	9,940	36·549
3	Bihar .. ..	..	..	..	..	..	..	..	..
4	Gujarat .. ..	..	..	..	..	..	..	..	..
5	Jammu & Kashmir .. ..	29,252	89·491	..	..	..	..	29,252	89·491
6	Kerala .. ..	192,500	758·777	..	..	..	..	192,500	758·777
7	Madhya Pradesh .. ..	92,000	494·625	..	..	..	..	92,000	494·625
8	Madras .. ..	529,750	1,880·194	..	..	..	..	529,750	1,880·194
9	Maharashtra .. ..	247,824	1,485·861	..	..	276,064	1,368·917	523,888	2,854·778
10	Mysore .. ..	230,400	1,291·436	..	..	..	..	230,400	1,291·436
11	Orissa .. ..	270,000	908·359	..	..	..	..	270,000	908·359
12	Punjab .. ..	653,086	2,974·487	1,750	11·529	..	..	654,836	2,986·016
13	Rajasthan .. ..	..	..	..	..	..	..	..	..
14	Uttar Pradesh .. ..	337,820	1,256·295	4,150	10·226	..	..	341,970	1,266·521
15	West Bengal .. ..	5,548	12·339	1,960	5·855	..	..	7,508	18·194
16	Union Territories—								
	(a) Delhi .. ..	..	..	..	..	..	..	..	..
	(b) Andaman & Nicobar Islands.	..	..	..	..	..	..	..	..
	(c) Goa, Daman & Diu .. ..	..	..	..	..	..	..	..	..
	(d) Himachal Pradesh .. ..	720	1·100	..	..	..	..	720	1·100
	(e) Laccadive, Minicoy & Amindivi Islands.	..	..	..	..	..	..	..	..
	(f) Manipur .. ..	..	..	..	..	..	..	..	..
	(g) Nagaland .. ..	..	..	..	..	..	..	..	..
	(h) Pondicherry .. ..	..	..	..	..	..	..	..	..
	(i) Tripura .. ..	..	..	..	..	..	..	..	..
17	Damodar Valley Corporation	104,000	334·055	..	..	..	..	104,000	334·055
	<b>Total ..</b>	<b>2,881,300</b>	<b>12,554·901</b>	<b>7,860</b>	<b>27·610</b>	<b>277,604</b>	<b>1,374·190</b>	<b>3,166,764</b>	<b>13,956·701</b>

TABLE 17—AGGREGATE GENERATING MAXIMUM DEMAND BY OWNERSHIP

Serial No.	Name of State/Union Territory/Power Corporation	State Electricity Board/Govt./Power Corporation	Municipality	Company	Total
1	Andhra Pradesh .. .. .	253,764	..	..	253,764
2	Assam .. .. .	12,186	..	3,452	15,638
3	Bihar .. .. .	25,122	..	40,690	65,812
4	Gujarat .. .. .	116,919	1,587	208,690	327,196
5	Jammu & Kashmir .. .. .	19,700	..	..	19,700
6	Kerala .. .. .	178,300	..	..	178,300
7	Madhya Pradesh .. .. .	212,122	..	17,331	229,453
8	Madras .. .. .	587,130	..	..	587,130
9	Maharashtra .. .. .	381,600	296	484,578	866,474
10	Mysore .. .. .	231,580	..	3,199	234,779
11	Orissa .. .. .	158,177	..	..	158,177
12	Punjab .. .. .	589,803	3,780	923	594,506
13	Rajasthan .. .. .	29,858	97	6,748	36,703
14	Uttar Pradesh .. .. .	512,830	5,573	59,728	578,131
15	West Bengal .. .. .	41,591	3,673	446,650	491,914
16	<i>Union Territories—</i>				
	(a) Delhi .. .. .	..	92,730	..	92,730
	(b) Andaman & Nicobar Islands .. .. .	720	..	..	720
	(c) Goa, Daman & Diu .. .. .	1,058	1,021	855	2,934
	(d) Himachal Pradesh .. .. .	505	..	..	505
	(e) Laccadive, Minicoy and Admindivi Islands .. .. .	30	..	..	30
	(f) Manipur .. .. .	838	..	..	838
	(g) Nagaland .. .. .	380	..	..	380
	(h) Pondicherry .. .. .	1,210	..	..	1,210
	(i) Tripura .. .. .	1,179	..	..	1,179
17	Damodar Valley Corporation .. .. .	517,500	..	..	517,500
	Total ..	3,874,102	108,757	1,272,844	5,255,703

TABLE 18—CLASSIFICATION OF STEAM POWER STATIONS ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY

Range of installed plant capacity (kW)	No. of generating stations	Installed Plant Capacity		Energy generated by the group (Million kWh)	Total capacity of boilers Tonnes per hour	Average capacity of the boilers in kg/hr/kW of generating capacity	Average overall thermal efficiency %	Average plant load factor %
		Group total (kW)	Percentage of total					
Upto 1,000	6	3,545	0.13	3.382	28.96	8.2	4.4	10.9
1,001 to 10,000	32	166,330	6.17	241.881	994.03	6.0	11.6	16.6
10,001 to 50,000	33	690,830	25.62	2,227.206	3,790.95	5.5	17.8	36.8
50,001 to 100,000	8	577,000	21.40	2,308.355	2,739.70	4.7	23.1	45.7
Over 100,000	8	1,258,775	46.68	6,405.504	6,246.40	5.0	25.6	58.1
Total	87	2,696,480	100.00	11,186.328	13,800.04	5.1	22.5	47.4

TABLE 19—DISTRIBUTION OF STEAM POWER STATIONS ACCORDING TO OVERALL THERMAL EFFICIENCY

Overall Thermal Efficiency	No. of generating stations	Aggregate installed capacity (kW)	Energy generated by the group (Million kWh)
Under 10%	20	96,945	188.910
Above 10% but below 15%	30	395,225	1,075.717
Above 15% but below 20%	12	295,835	747.109
Above 20% but below 25%	17	1,190,100	5,262.506
Above 25% but below 30%	3	433,500	2,498.505
Above 30%	5	284,875	1,413.581
Total	87	2,696,480	11,186.328

TABLE 20—CLASSIFICATION OF DIESEL POWER STATIONS ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY

Range of installed plant capacity (kW)	No. of generating stations	Installed Plant Capacity		Energy generated by the group (Million kWh)	Fuel consumption tonne	Fuel consumption in kilogram/kWh generated	Average plant load factor %
		Group total (kW)	Percentage of total				
Upto 500	412	75,531	20.6	59.643	21,638	0.36	9.0
501 to 1,000	87	60,047	16.5	70.442	23,435	0.33	13.4
1,001 to 2,500	70	108,896	29.8	113.223	36,210	0.32	11.8
2,501 to 5,000	15	52,209	14.3	41.432	12,165	0.29	9.1
5,001 to 10,000	10	68,606	18.8	70.003	19,641	0.28	11.7
Total	594	365,289	100.0	354.743	113,089	0.32	11.1

TABLE 21—CLASSIFICATION OF HYDRO POWER STATIONS ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY

Range of installed plant capacity (kW)	No. of generating stations	Installed Plant Capacity		Energy generated by the group (Million kWh)	Average plant load factor %
		Group total (kW)	Percentage of total		
Up to 1,000 ..	13	2,816	0·1	5·196	21·1
1,001 to 10,000 ..	17	48,812	1·5	192·741	45·1
10,001 to 50,000 ..	22	655,886	20·8	2,847·892	49·6
50,001 to 100,000 ..	9	653,250	20·6	2,794·189	48·9
Over 100,000 ..	9	1,806,000	57·0	8,116·683	51·4
Total ..	70	3,166,764	100·0	13,956·701	50·3

TABLE 22—PLANT CAPACITY AND GENERATION BY A.C. AND D.C.

System of generation adopted	No. of generating stations	Installed Capacity		Energy generated (Million kWh)	Percentage of total
		Aggregate capacity (kW)	Percentage of total		
Alternating current only	694	6,202,743	99·58	25,449·267	99·81
Alternating current and direct current	10	A.C. 12,368	0·20	32·907	0·13
		D.C. 2,374	0·04	0·550	0·00
Direct current ..	47	11,048	0·18	15·048	0·06
Sub-total ..	751	A.C. 6,215,111	99·78	25,482·174	99·94
		D.C. 13,422	0·22	15·598	0·06
Total ..	751	6,228,533	100·00	25,497·772	100·00

TABLE 23—ANALYSIS OF GENERATING SETS ACCORDING TO TYPE OF PRIME MOVERS AND OWNERSHIP

Type of prime mover	State Electricity Board/Government		Power Corporation		Municipality		Company		Total		
	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)	Percentage of total installed plant capacity
<i>(i) Steam turbines—</i>											
A. C. generators .. ..	161	1,048,210	6	420,000	12	91,600	107	1,128,300	286	2,688,110	43.2
D. C. generators .. ..	..	—	..	..	..	..	..	..	..	..	..
Sub-total .. ..	161	1,048,210	6	420,000	12	91,600	107	1,128,300	286	2,688,110	43.2
<i>(ii) Reciprocating steam engines—</i>											
A. C. generators .. ..	12	5,725	..	..	..	..	11	2,375	23	8,100	0.1
D. C. generators .. ..	..	..	..	..	..	..	3	270	3	270	..
Sub-total .. ..	12	5,725	..	..	..	..	14	2,645	26	8,370	0.1
<i>(iii) Diesel Engines—</i>											
A. C. generators .. ..	1,489	241,518	..	..	104	38,740	335	71,880	1,928	352,138	5.7
D. C. generators .. ..	99	6,252	..	..	6	504	62	6,395	167	13,151	0.2
Sub-total .. ..	1,588	247,770	..	..	110	39,244	397	78,275	2,095	365,289	5.9
<i>(iv) Water turbines—</i>											
A. C. generators .. ..	198	2,777,300	6	104,000	21	7,860	25	277,604	250	3,166,764	50.8
D.C. generators .. ..	..	..	..	..	..	..	..	..	..	..	..
Sub-total .. ..	198	2,777,300	6	104,000	21	7,860	25	277,604	250	3,166,764	50.8
<i>(v) Total—</i>											
A. C. generators .. ..	1,860	4,072,753	12	524,000	137	138,200	478	1,480,159	2,487	6,215,112	99.8
D. C. generators .. ..	99	6,252	..	..	6	504	65	6,665	170	13,421	0.2
Grand total .. ..	1,959	4,079,005	12	524,000	143	138,704	543	1,486,824	2,657	6,228,533	100.0



TABLE 24—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
	Government/State Electricity Board		Power Corporation		Municipality		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)					
<i>(1) A. C. Plant—</i>											
Upto 1,000 kW .. ..	34	23,780	..	..	..	..	19	8,775	53	32,555	1.21
1,001 to 2,000 kW .. ..	18	29,180	..	..	3	5,500	23	32,900	44	67,580	2.51
2,001 to 5,000 kW .. ..	73	279,975	..	..	3	10,500	29	112,500	105	402,975	14.95
5,001 to 10,000 kW .. ..	20	174,750	..	..	5	39,600	15	106,500	40	320,850	11.90
10,001 to 15,000 kW .. ..	18	257,500	..	..	..	..	12	172,500	30	430,000	15.95
15,001 to 20,000 kW .. ..	1	18,750	..	..	..	..	4	80,000	5	98,750	3.66
20,001 to 30,000 kW .. ..	9	270,000	..	..	..	..	11	330,000	20	600,000	22.25
30,001 to 50,000 kW — —	..	..	..	..	1	36,000	2	100,000	3	136,000	5.04
Over 50,000 kW .. ..	—	..	6	420,000	..	—	3	187,500	9	607,500	22.53
Sub-total .. ..	173	1,053,935	6	420,000	12	91,600	118	1,130,675	309	2,696,210	100.00
<i>(2) D. C. Plant—</i>											
201 to 300 kW .. ..	—	—	—	—	..	—	3	270	3	270	0.00
Total .. ..	173	1,053,935	6	420,000	12	91,600	121	1,130,945	312	2,696,480	100.00

TABLE 25—CLASSIFICATION OF DIESEL POWER PLANT, ACCORDING TO THE SIZE OF THE SETS

Size of generating sets	Public Sector						Private Sector		Total		Percentage of total diesel plant
	Government/State Electricity Board		Power Corporation		Municipality		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)					
<i>(1) A. C. Plant—</i>											
Under 1,001 kW .. ..	1,483	231,990	..	..	88	16,890	333	69,832	1,904	318,712	87.3
1,001 to 2,000 kW .. ..	6	9,528	..	..	11	11,150	2	2,048	19	22,726	6.2
2,001 to 5,000 kW .. ..	..	..	..	..	5	10,700	..	..	5	10,700	2.9
Sub-total .. ..	1,489	241,518	..	..	104	38,740	335	71,880	1,928	352,138	96.4
<i>(2) D. C. Plant—</i>											
Upto 100 kW .. ..	81	3,133	..	..	2	34	41	1,863	124	5,030	1.4
101 to 200 kW .. ..	13	1,824	..	..	4	470	13	2,222	30	4,516	1.2
201 to 300 kW .. ..	5	1,295	..	..	..	..	5	1,169	10	2,464	0.7
301 to 500 kW .. ..	..	..	..	..	..	..	3	1,141	3	1,141	0.3
Over 500 kW .. ..	..	..	..	..	..	..	..	..	..	..	..
Sub-total .. ..	99	6,252	..	..	6	504	62	6,395	167	13,151	3.6
Total .. ..	1,588	247,770	..	..	110	39,244	397	78,275	2,095	365,289	100.0

TABLE 26—CLASSIFICATION OF HYDRO POWER PLANT ACCORDING TO THE SIZE OF THE SETS

Size of generating sets	Public Sector						Private Sector		Total		Percentage of total hydro plant
	Government/State Electricity Board		Power Corporation		Municipality		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)					
<i>(1) A. C. Plant—</i>											
Upto 1,000 kW .. ..	42	13,650	..	..	21	7,860	7	1,604	70	23,114	0.73
1,001 to 2,000 kW .. ..	12	18,800	2	4,000	..	..	..	..	14	22,800	0.72
2,001 to 5,000 kW .. ..	23	80,900	..	..	..	..	..	..	23	80,900	2.55
5,001 to 10,000 kW .. ..	40	309,050	..	..	..	..	..	..	40	309,050	9.76
10,001 to 15,000 kW .. ..	27	347,600	..	..	..	..	12	144,000	39	491,600	15.53
15,001 to 20,000 kW .. ..	11	215,000	3	60,000	..	..	..	..	14	275,000	8.68
20,001 to 30,000 kW .. ..	17	408,300	..	..	..	..	6	132,000	23	540,300	17.06
30,001 to 50,000 kW .. ..	17	694,000	1	40,000	..	..	..	..	18	734,000	23.18
Over 50,000 kW .. ..	9	690,000	..	..	..	..	..	..	9	690,000	21.79
Sub-total .. ..	198	2,777,300	6	104,000	21	7,860	25	277,604	250	3,166,764	100.00
<i>(2) D. C. Plant—</i>											
Total .. ..	198	2,777,300	6	104,000	21	7,860	25	277,604	250	3,166,764	100.00

TABLE 27—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	
				Government/State Electricity Board		Power Corporation		Municipality		Company		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)		
<i>Alternating Current—</i>													
1	3	33 kV	S D H	..	..	..	..	..	..	10	330,000	10	330,000
2	3	11 kV	S D H	57 12 123	610,225 12,974 2,396,850	6 .. 6	420,000 .. 104,000	3 15 ..	55,200 20,820 ..	23 .. 6	418,000 .. 132,000	89 27 135	1,503,425 33,794 2,632,850
3	3	6 to 6.9 kV	S D H	58 5 19	317,430 2,528 282,000	.. .. ..	.. .. ..	9 2 4	36,400 1,820 3,000	27 5 ..	259,300 3,080 ..	94 12 23	613,130 7,428 285,000
4	3	5 to 5.5 kV	S D H	2 .. ..	27,500 .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. 12	.. .. 144,000	2 .. 12	27,500 .. 144,000
5	3	3 to 3.9 kV	S D H	37 82 12	78,650 35,385 30,688	.. .. ..	.. .. ..	.. 10 2	.. 2,260 960	53 75 3	118,600 27,259 1,054	90 167 17	197,250 64,904 32,702
6	3	2 to 2.3 kV	S D H	9 2 16	10,600 800 60,224	.. .. ..	.. .. ..	.. 4 5	.. 1,910 1,750	.. 3 4	.. 1,207 550	9 9 25	10,600 3,917 62,524
7	3	400 to 460 V	S D H	10 1,380 28	9,530 189,634 7,538	.. .. ..	.. .. ..	.. 73 10	.. 11,930 2,150	5 252 ..	4,775 40,334 ..	15 1,705 38	14,305 241,898 9,688
8	1	230 V	S D H	.. 8 ..	.. 199 ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. 8 ..	.. 199 ..
<i>Direct Current—</i>													
9	3 wire	400—500 V	S D H	.. 99 ..	.. 6,250 ..	.. .. ..	.. .. ..	.. 6 ..	.. 504 ..	3 62 ..	270 6,395 ..	3 167 ..	270 13,149 ..
10	2 wire	220 V	S D H	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..	.. .. ..
Sub-total				173 1,588 198	1,053,935 247,770 2,777,300	6 .. 6	420,000 .. 104,000	12 110 21	91,600 39,244 7,860	121 397 25	1,130,945 78,275 277,604	312 2,095 250	2,696,480 365,289 3,166,764
Total				1,959	4,079,005	12	524,000	143	138,704	543	1,486,824	2,657	6,228,533

S = Steam      D = Diesel      H = Hydro

TABLE 28—FUEL CONSUMPTION

Sl. No.	Name of State/Union Territory/Power Corporation	Steam Power Stations					Diesel Power Stations		
		Coal consumption (Tonnes)	Furnace Oil (Tonnes)	Total Coal including equivalent furnace oil (Tonnes)	Generation (Million kWh)	Average fuel consumption in kg/kWh generated	Oil Consumption (Tonnes)	Generation (Million kWh)	Average fuel consumption in kg./kWh generated
1	Andhra Pradesh ..	260,101	2,305	264,711	233·336	1·14	1,510	4·706	0·32
2	Assam .. ..	..	..	..	..	..	7,190	20·553	0·35
3	Bihar .. ..	139,311	..	139,311	127·098	1·10	14,750	49·200	0·30
4	Gujarat .. ..	1,250,471	18	1,250,489	1,629·269	0·77	21,200	70·682	0·30
5	Jammu & Kashmir ..	..	..	..	..	..	..	..	..
6	Kerala .. ..	..	..	..	..	..	..	..	..
7	Madhya Pradesh ..	632,593	..	632,593	595·903	1·06	8,601	24·570	0·35
8	Madras .. ..	368,846	6,372	395,646	449·970	0·88	..	..	..
9	Maharashtra .. ..	1,061,366	222,874	1,507,124	1,411·567	1·07	22,002	72·495	0·30
10	Mysore .. ..	1,467	..	1,467	2·259	0·65	7,253	22·826	0·32
11	Orissa .. ..	..	..	..	..	..	1,112	2·712	0·41
12	Punjab .. ..	10,569	..	10,569	10·684	0·99	607	1·231	0·49
13	Rajasthan .. ..	51,167	..	51,167	44·904	1·14	11,100	35·506	0·31
14	Uttar Pradesh .. ..	1,116,864	162	1,117,219	1,202·779	0·95	5,200	14·467	0·36
15	West Bengal .. ..	1,902,874	..	1,902,874	2,724·846	0·70	4,238	11·621	0·38
16	Union Territories—								
	(a) Delhi .. ..	169,203	..	169,203	281·947	0·60	3,216	9·649	0·33
	(b) Andaman & Nicobar Islands .. ..	1,240	11	1,257	1·774	0·71	87	0·260	0·33
	(c) Goa, Daman & Diu ..	..	..	..	..	..	2,466	7·380	0·33
	(d) Himachal Pradesh ..	..	..	..	..	..	..	..	..
	(e) Laccadive, Minicoy & Amindivi Islands ..	..	..	..	..	..	18	0·029	0·62
	(f) Manipur .. ..	..	..	..	..	..	890	2·721	0·33
	(g) Nagaland .. ..	..	..	..	..	..	326	0·871	0·37
	(h) Pondicherry .. ..	207	..	207	0·259	0·80	..	..	..
	(i) Tripura .. ..	..	..	..	..	..	1,323	3·264	0·41
17	Damodar Valley Corporation	1,311,794	1,961	1,315,624	2,469·733	0·53	..	..	..
	All India .. ..	8,278,073	233,703	8,759,461	11,186·328	0·78	113,089	354·743	0·32

TABLE 29—SHARES OF PARTICIPATING STATES IN JOINTLY OWNED POWER STATIONS

Sl. No.	Name of the power station	Installed plant capacity (kW)	Energy generated (Million kWh)	Energy used by power station auxiliaries (Million kWh)	Name of the participating States	Share of the participating States installed plant capacity		
						Percentage share	(kW)	Energy off-take (Million kWh)
1	Machkund Hydro Power Station.	120,000	760·328	2·629	Andhra Pradesh	70	84,000	660·486
					Orissa	30	36,000	74·043
2	Tungabhadra Right Bank & Hampi Hydro Power Stations.	45,000	220·950	2·026	Andhra Pradesh	80	36,000	157·693
					Mysore	20	9,000	46·098
3	Gandhisagar Hydro Power Station.	92,000	494·625	0·988	Madhya Pradesh	50	46,000	266·903
					Rajasthan	50	46,000	223·314
4	Bhakra, Ganguwal and Kotla Hydro Power Stations.	604,500	2,799·332	6·639	Punjab	84·78	512,495	2,596·438
					Rajasthan	15·22	92,005	50·329

TABLE 30—INSTALLED PLANT CAPACITY AND ENERGY CONSUMPTION PER SQUARE KILOMETRE AND PER THOUSAND OF POPULATION

Serial No.	Name of State or Union Territory	Population (Million)	Area in square kilometre	In talled plant capacity (kW)	Installed capacity per 1,000 of population (kW)	Installed capacity per square kilometre (kW)	Total energy consumed (Million kWh)	Energy consumed per 1,000 of population (kWh)	Energy consumed per square kilometre (kWh)
1	Andhra Pradesh .. .. .	37.58	273,763	251,851	6.701	0.920	822.345	21,883	3,004
2	Assam .. .. .	12.97	220,311	29,365	2.264	0.133	49.302	3,801	224
3	Bihar .. .. .	49.06	173,823	380,474	7.755	2.189	1,528.164	31,149	8,791
4	Gujarat .. .. .	22.16	185,830	420,499	18.976	2.263	1,386.383	26,562	7,460
5	Jammu & Kashmir .. .. .	3.66	222,380	32,288	8.822	0.145	97.474	26,632	438
6	Kerala .. .. .	18.06	38,687	193,705	10.725	5.007	638.304	35,344	16,499
7	Madhya Pradesh .. .. .	34.53	443,667	248,090	7.185	0.559	729.482	21,126	1,644
8	Madras .. .. .	34.83	129,951	631,250	18.124	4.858	2,384.859	68,471	18,352
9	Maharashtra .. .. .	42.14	308,000	885,504	21.013	2.875	3,548.303	84,203	11,520
10	Mysore .. .. .	25.02	193,890	266,696	10.659	1.376	1,133.268	45,294	5,845
11	Orissa .. .. .	18.52	156,047	324,210	17.506	2.078	729.270	39,377	4,673
12	Punjab .. .. .	21.76	121,891	597,551	27.461	4.902	2,255.402	103,649	18,503
13	Rajasthan .. .. .	21.62	342,134	215,244	9.956	0.629	285.732	13,216	835
14	Uttar Pradesh .. .. .	77.25	293,765	765,368	9.908	2.605	1,651.096	21,373	5,620
15	West Bengal .. .. .	38.04	87,762	860,757	22.628	9.808	3,570.962	93,839	41,000
16	Union Territories—								
	(a) Delhi .. .. .	3.02	1,484	114,230	37.825	76.974	510.580	169,066	344,057
	(b) Andaman and Nicobar Islands .. .. .	0.08	8,327	1,430	17.875	0.172	1.534	19,175	184
	(c) Goa, Daman and Diu .. .. .	0.62	3,693	5,562	8.909	1.506	6.213	10,021	1,682
	(d) Himachal Pradesh .. .. .	1.43	28,192	990	0.692	0.035	5.628	3,936	200
	(e) Laccadive, Minicoy & Amindivi Islands.	0.02	3,080	141	7.050	0.046	0.020	1,900	6
	(f) Manipur .. .. .	0.85	22,347	850	1.000	0.038	1.683	1,980	75
	(g) Nagaland .. .. .	0.41	16,488	725	1.768	0.044	0.674	1,644	41
	(h) Pondicherry .. .. .	0.39	479	..	..	..	40.176	103,015	83,875
	(i) Tripura .. .. .	1.36	10,453	1,753	1.289	0.168	2.810	2,066	269
	All India .. .. .	465.38	3,286,444	6,228,533	13.384	1.895	21,379.664	45,940	6,514

NOTE—The installed plant capacities of Andhra Pradesh, Madhya Pradesh, Mysore, Orissa, Punjab and Rajasthan taking into account only their share of the jointly owned power stations. The installed capacities of Bihar & West Bengal include 299,000 kW & 225,000 kW of the Damodar Valley Corporation, respectively.

TABLE 31—UTILISATION OF ENERGY GENERATED AND PURCHASED

Serial No.	Item	Million kWh	Percentage of Item 3
1	Energy generated .. .. .	25,497·772	96·8
2	Energy purchased from non-electric utilities .. .. .	856·305	3·2
3	Total .. .. .	26,354·077	100·0
4	Energy used by power station auxiliaries .. .. .	948·007	3·6
5	Energy sent out .. .. .	25,406·070	96·4
6	Energy sold to ultimate consumers .. .. .	21,379·664	81·1
7	Energy in transformation, transmission and distribution and unaccounted for ..	4,026·406	15·3



TABLE 32—ELECTRICITY GENERATION, PURCHASE AND UTILISATION OF ENERGY

(Million kWh)

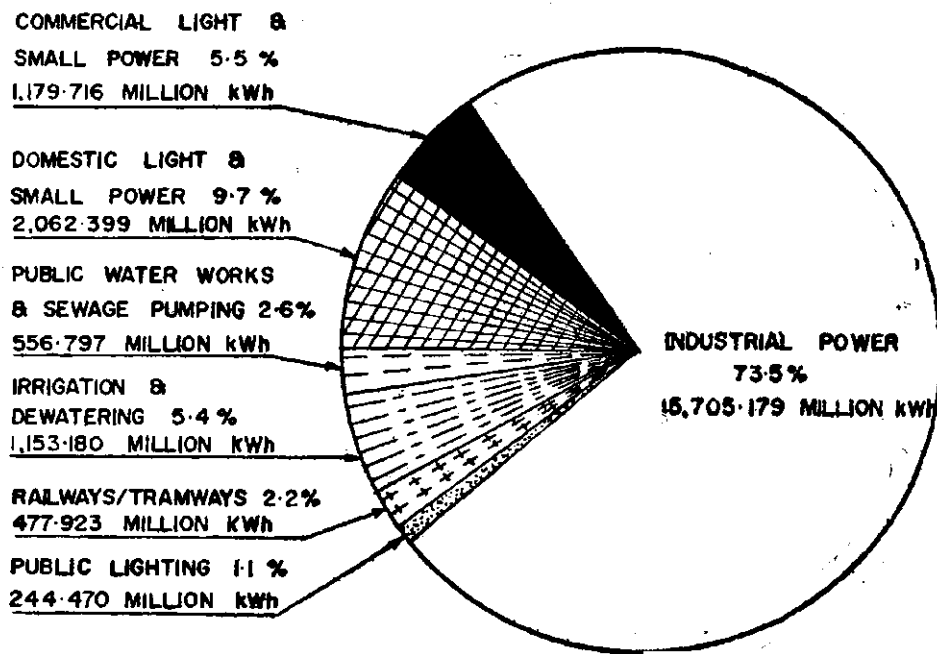
Sl. No.	State/Union Territory/Power Corporation	Energy generated	Energy Purchased		Energy used by power station auxiliaries	Energy sent out Cols. 3+4+5-6	Energy Sold			Transformation, Transmission and distribution losses and unaccounted for	
			From non-electric utilities	From public utilities in the adjoining States			To adjoining States	To consumers within the States	Total (8+9)	Million kWh	As percentage of Col. 7
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh ..	1,274·648	0·054	5·528	20·771	1,259·459	120·141	822·345	942·486	316·973	25·2
2	Assam ..	57·102	..	..	2·183	54·919	..	49·302	49·302	5·617	10·2
3	Bihar ..	176·298	2·043	873·560	12·838	1,039·063	13·330	904·358	917·688	121·375	11·7
4	Gujarat ..	1,699·951	0·711	..	119·199	1,581·463	..	1,386·383	1,386·383	195·080	12·3
5	Jammu & Kashmir ..	89·491	..	29·295	1·282	117·504	..	97·474	97·474	20·030	17·0
6	Kerala ..	758·777	..	68·907	19·901	807·783	0·122	638·304	638·426	169·357	20·9
7	Madhya Pradesh ..	1,115·098	..	44·039	54·624	1,104·513	223·340	729·482	952·822	151·691	15·7
8	Madras ..	2,330·164	786·203	..	61·426	3,054·941	123·105	2,384·859	2,507·964	546·977	17·9
9	Maharashtra ..	4,338·840	..	..	122·108	4,216·732	43·418	3,548·303	3,591·721	625·011	14·7
10	Mysore ..	1,316·521	..	46·098	20·433	1,342·186	..	1,133·268	1,133·268	208·918	15·6
11	Orissa ..	911·071	27·794	74·043	9·975	1,002·933	78·621	729·270	807·891	195·042	19·4
12	Punjab ..	2,997·931	..	..	10·484	2,987·447	420·038	2,255·402	2,675·440	312·007	10·4
13	Rajasthan ..	80·410	..	273·669	6·733	347·346	..	285·732	285·732	61·614	17·7
14	Uttar Pradesh ..	2,483·767	..	..	92·563	2,321·204	182·130	1,651·096	1,833·226	557·978	23·3
15	West Bengal ..	2,754·661	5·600	1,088·730	154·823	3,694·168	191·130	3,221·896	3,413·026	281·142	7·6
16	Union Territories—										
	(a) Delhi ..	291·596	..	335·064	29·754	596·906	..	510·580	510·580	86·326	14·5
	(b) Andaman & Nicobar Islands.	2·034	..	..	0·200	1·834	..	1·534	1·534	0·300	16·4
	(c) Goa, Daman & Diu.	7·380	..	..	0·121	7·259	..	6·213	6·213	1·046	14·4
	(d) Himachal Pradesh.	1·100	..	5·350	0·130	6·320	..	5·628	5·628	0·692	10·9
	(e) Laccadive, Minicoy and Amindivi Islands.	0·029	..	..	0·002	0·027	..	0·020	0·020	0·007	25·9
	(f) Manipur ..	2·721	..	..	0·033	2·688	..	1·683	1·683	1·005	37·4
	(g) Nagaland ..	0·871	..	..	0·012	0·859	..	0·674	0·674	0·185	21·5
	(h) Pondicherry ..	0·259	..	48·792	0·164	48·887	..	40·176	40·176	8·711	17·8
	(i) Tripura ..	3·264	..	..	0·065	3·199	..	2·810	2·810	0·389	12·2
17	Damodar Valley Corporation.	2,803·788	33·900	350·100	208·183	3,009·605	1,877·800	972·872	2,850·672	158·933	5·3
	All India ..	25,497·772	856·305	..	948·007	25,406·070	..	21,379·664	21,379·664	4,026·406	15·8

TABLE 33—ENERGY GENERATION, PURCHASE & UTILISATION BY THE STATE ELECTRICITY BOARDS/GOVERNMENT DEPARTMENTS AND POWER CORPORATION

(Million kWh)

Sl No.	Name of the State Electricity Board/Government/Power Corporation	Energy generated (Million kWh)	Energy Purchased			Energy used by power station auxiliaries	Energy sent out (Cols. 3+4+5+6 (-) Col. 7)	Energy Sold				Energy lost in transformation, transmission and distribution and unaccounted for	
			From non-electric utilities	From Public Utilities				To Licensees within State	To adjoining States	To ultimate consumers of State Elec. Board/Government Deptts./Power Corporation	Total (Cols. 9+10+11)	Million kWh	Percentage of col. 8
				Within the State	In adjoining State								
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Andhra ..	1,274.648	0.054	..	5.528	20.771	1,259.459	..	120.141	822.345	942.486	316.973	25.17
2	Assam ..	43.180	..	..	..	1.662	41.518	0.231	..	36.940	37.171	4.347	10.47
3	Bihar ..	50.560	..	..	782.760	4.682	828.638	71.590	13.330	669.152	744.072	84.566	10.21
4	Gujarat ..	587.408	0.711	224.658	..	55.690	757.087	158.099	..	442.101	600.200	166.887	20.72
5	Jammu & Kashmir.	89.491	..	..	29.295	1.282	117.504	..	..	97.474	97.474	20.030	17.05
6	Kerala ..	758.777	..	..	88.907	19.881	807.803	46.062	0.122	599.909	646.093	161.710	20.02
7	Madhya Pradesh	1,016.900	..	20.549	41.716	48.016	1,031.149	11.290	223.340	656.750	891.380	139.769	13.50
8	Madras ..	2,330.164	786.203	..	..	61.305	3,055.062	279.105	121.081	2,120.538	2,520.724	534.338	17.48
9	Maharashtra ..	2,072.150	..	..	..	56.862	2,015.288	1,162.252	43.418	564.518	1,760.188	255.100	12.67
10	Mysore ..	1,304.129	..	..	46.098	19.305	1,330.922	9.367	..	1,114.843	1,124.210	206.712	15.53
11	Orissa ..	911.071	27.794	..	74.043	9.975	1,002.933	..	78.621	729.270	807.891	195.042	19.45
12	Punjab ..	2,985.385	..	..	..	9.957	2,975.428	84.193	420.038	2,175.707	2,679.938	295.490	9.93
13	Rajasthan ..	59.250	..	..	273.669	5.895	327.024	10.569	..	262.330	272.899	54.125	16.55
14	Uttar Pradesh	2,166.543	..	..	..	69.395	2,097.148	226.717	182.130	1,217.080	1,625.927	471.221	22.47
15	West Bengal ..	173.199	5.600	200.690	88.030	11.010	456.509	29.401	1.830	395.706	426.937	29.572	6.5
16	Union Territories-												
	(a) Delhi (DESU).	291.596	..	..	335.064	29.754	596.906	152.601	..	378.222	530.823	66.083	11.07
	(b) Andaman & Nicobar Islands.	2.034	..	..	..	0.200	1.834	..	..	1.534	1.534	0.300	16.36
	(c) Goa, Daman & Diu.	2.645	..	..	..	0.012	2.633	..	..	2.029	2.029	0.604	22.94
	(d) Himachal Pradesh.	1.100	..	..	5.350	0.130	6.320	..	..	5.628	5.628	0.692	10.95
	(e) Laccadive, Minicoy & Amindivi Islands.	0.029	..	..	..	0.002	0.027	..	..	0.020	0.020	0.007	25.93
	(f) Manipur ..	2.721	..	..	..	0.033	2.688	..	..	1.683	1.683	1.005	37.39
	(g) Nagaland	0.871	..	..	..	0.012	0.859	..	..	0.674	0.674	0.185	21.54
	(h) Pondicherry	0.259	..	..	46.610	0.157	46.748	..	..	38.389	38.389	8.359	17.88
	(i) Tripura ..	3.264	..	..	..	0.065	3.199	..	..	2.810	2.810	0.389	12.16
17	Damodar Valley Corporation	2,803.788	33.900	189.300	389.100	208.183	3,198.905	786.300	1,091.500	972.872	2,850.672	158.933	5.28
	All India ..	18,931.162	854.262	635.197		634.236	19,786.385	3,325.422		13,298.524	16,623.946	3,162.439	15.98

ENERGY SALES IN 1963-64



TOTAL SALES DURING THE YEAR

21,379,664 MILLION kWh

TABLE 34—ENERGY SALES (CATEGORYWISE)

Serial No.	Category	Energy sold in 1963-64 (Million kWh)	Percentage to total sales	Energy sold in 1962-63 (Million kWh)	Percentage increase over 1962-63 sales
1	Domestic light and small power .. .. .	2,062·399	9·7	1,917·833	7·5
2	Commercial light and small power .. .. .	1,179·716	5·5	1,048·594	12·5
3	Industrial power .. .. .	15,705·179	73·5	13,109·832	19·8
4	Public lighting .. .. .	244·470	1·1	244·852	(—)0·1
5	Railways/Tramways .. .. .	477·923*	2·2	361·259*	32·3
6	Irrigation and dewatering .. .. .	1,153·180	5·4	1,103·527	4·5
7	Public water works and sewage pumping .. .. .	556·797	2·6	530·539	4·9
	Total ..	21,379·664	100·0	18,316·436	16·7

\*Excludes traction sales from Chola Power Station.

TABLE 35—ENERGY SALES

Sl. No.	Name of State/ Union Territory	Total sold to ultimate consumers	Domestic heat & small power	Domestic light and fans	Commercial heat & small power	Commercial light and fans	Industrial power at low & medium voltage	Industrial power at high voltage	Public lighting	Railways/ Tramways	Irrigations and dewatering	Public water works and sewage pumping
1	Andhra Pradesh	823.345	16.000	48.900	27.000	80.842	75.331	431.247	15.510	..	101.858	25.657
2	Assam	49.302	1.273	13.258	2.341	5.613	5.637	17.661	2.577	..	..	0.942
3	Bihar	1,528.164	4.497	56.286	9.921	35.597	86.679	1,133.176	4.912	163.646	19.453	23.997
4	Gujarat	1,386.383	18.898	88.185	16.187	31.832	166.268	956.635	18.926	..	38.504	50.948
5	Jammu & Kashmir*	97.474	3.077	43.315	1.231	1.846	27.080	11.078	1.846	..	1.846	6.155
6	Kerala	638.304	9.599	60.521	0.553	4.621	65.698	466.616	9.272	..	14.892	6.532
7	Madhya Pradesh**	720.482	7.738	54.543	6.522	29.668	64.575	510.059	16.692	..	6.547	33.238
8	Madras	2,384.859	49.490	167.046	59.597	134.153	216.055	1,066.996	42.931	16.290	590.634	21.607
9	Maharashtra	3,549.303	126.705	230.703	57.444	199.425	474.319	2,260.089	27.615	126.478@	26.063	19.462
10	Mysore	1,133.268	20.598	80.955	5.050	17.065	101.842	781.739	21.670	..	39.050	65.299
11	Orissa**	729.270	4.380	32.850	4.380	13.140	43.800	613.200	3.285	..	3.285	10.950
12	Punjab	2,255.402	21.024	70.201	17.330	58.920	294.868	1,661.872	10.143	..	113.340	7.714
13	Rajasthan*	285.732	5.499	51.248	12.855	39.766	54.574	30.653	11.585	..	17.772	61.780
14	Uttar Pradesh**	1,651.096	14.146	135.597	20.727	61.405	221.362	932.453	13.955	34.000	157.068	60.363
15	West Bengal	3,570.962	99.618	369.050	4.106	137.066	208.932	2,484.398	26.369	145.721	1.413	94.289
16	Union Territories—											
	(a) Delhi*	610.580	33.208	113.569	23.452	53.720	66.514	127.307	14.734	1.788	9.536	66.752
	(b) Andaman & Nicobar Islands.	1.534	0.005	0.695	..	0.108	0.555	..	0.062	..	..	0.109
	(c) Goa, Daman & Diu**	6.213	0.299	2.012	0.204	1.475	1.455	..	0.754	..	..	0.024
	(d) Himachal Pradesh*	5.028	..	1.326	..	1.667	2.070	..	0.424	..	0.032	0.109
	(e) Laccadive, Minicoy & Amindivi Islands.	0.020	0.001	0.009	0.002	0.001	..	..	0.007	..	..	..
	(f) Manipur	1.683	0.045	1.260	0.035	0.022	0.226	..	0.063	..	..	0.032
	(g) Nagaland	0.674	0.135	0.404	..	..	0.045	..	0.073	..	..	0.017
	(h) Pondicherry	40.176	0.167	2.046	0.514	2.114	2.222	19.398	1.087	..	11.887	0.741
	(i) Tripura	2.810	..	2.018	0.184	0.015	0.515	..	0.078	..	..	..
	Total	21,379.664	436.402	1,625.997	269.635	910.081	2,180.612	13,624.577	244.470	477.923	1,153.160	556.797

\*Estimated.

\*\*Partly estimated.

@Excludes Chola.

TABLE 36—ENERGY SALES BY THE STATE ELECTRICITY BOARDS/GOVERNMENT DEPARTMENTS/POWER CORPORATION

Serial No.	Name of State/Union Territory/Power Corporation	Total sold to ultimate consumers	Domestic heat and small power	Domestic light and fans	Commercial heat and small power	Commercial light and fans	Industrial power at low & medium voltage	Industrial power at high voltage	Public lighting	Railways/ tramways	Irrigation & dewatering	Public Water Works and sewage pumping
1	Andhra Pradesh ..	822·345	16·000	48·900	27·000	80·842	75·331	431·247	15·510	..	101·858	25·657
2	Assam .. ..	36·940	0·980	9·643	1·529	1·573	2·912	17·661	1·819	..	..	0·823
3	Bihar .. ..	659·152	1·685	24·195	5·205	23·665	71·892	495·293	2·489	0·090	18·691	15·947
4	Gujarat .. ..	442·101	2·731	33·678	2·046	8·928	56·195	288·061	7·873	..	31·865	10·724
5	Jammu and Kashmir*	97·474	3·077	43·315	1·231	1·846	27·080	11·078	1·846	..	11·846	6·155
6	Kerala .. ..	599·909	7·882	49·104	..	2·518	53·047	458·558	7·552	..	14·870	6·378
7	Madhya Pradesh**	656·750	5·620	42·350	4·410	23·600	53·650	474·700	15·170	..	6·300	30·950
8	Madras .. ..	2,120·538	38·870	114·529	52·137	115·731	151·851	1,018·103	29·008	16·290	569·979	14·040
9	Maharashtra ..	564·518	8·192	39·660	13·696	32·721	85·691	336·520	12·224	..	23·548	12·256
10	Mysore* .. ..	1,114·843	19·996	75·000	4·784	14·351	94·683	781·739	20·721	..	38·921	64·648
11	Orissa* .. ..	729·270	4·380	32·850	4·390	13·140	43·800	613·200	3·285	..	3·285	10·950
12	Punjab .. ..	2,175·707	17·550	52·650	15·025	45·075	274·900	1,654·607	7·300	..	108·600	..
13	Rajasthan* ..	262·330	4·800	44·100	11·080	39·000	49·500	27·400	10·450	..	17·500	58·500
14	Uttar Pradesh**	1,217·080	5·460	43·800	13·130	21·880	89·200	836·500	3·700	34·000	150·700	18·710
15	West Bengal ..	395·706	2·073	11·598	2·017	12·203	26·657	337·100	1·949	..	1·413	0·696
16	Union Territories—											
	(a) Delhi (DESU)* ..	378·222	15·496	83·440	2·384	41·720	66·514	79·864	10·728	1·788	9·536	66·752
	(b) Andaman & Nicobar Islands.	1·534	0·005	0·695	..	0·108	0·555	..	0·062	..	..	0·109
	(c) Goa, Daman & Diu**	2·029	0·090	0·526	0·079	0·511	0·497	..	0·309	..	..	0·017
	(d) Himachal Pradesh*	5·628	..	1·326	..	1·667	2·070	..	0·424	..	0·032	0·109
	(e) Laccadive, Minicoy and Amindivi Islands.	0·020	0·001	0·009	0·002	0·001	..	..	0·007	..	..	..
	(f) Manipur .. ..	1·683	0·045	1·289	0·035	0·022	0·226	..	0·063	..	..	0·032
	(g) Nagaland .. ..	0·674	0·135	0·404	..	..	0·045	..	0·073	..	..	0·017
	(h) Pondicherry ..	38·389	0·157	1·504	0·407	1·849	1·823	19·396	0·780	..	11·887	0·584
	(i) Tripura .. ..	2·810	..	2·018	0·184	1·015	0·515	..	0·078	..	..	..
17	Damodar Valley Corporation.	972·872	..	0·108	..	..	..	719·296	..	253·468	..	..
	Total .. ..	13,298·524	155·225	756·602	160·761	483·976	1,228·634	8,600·325	153·420	305·636	1,110·831	344·054

\*Estimated.

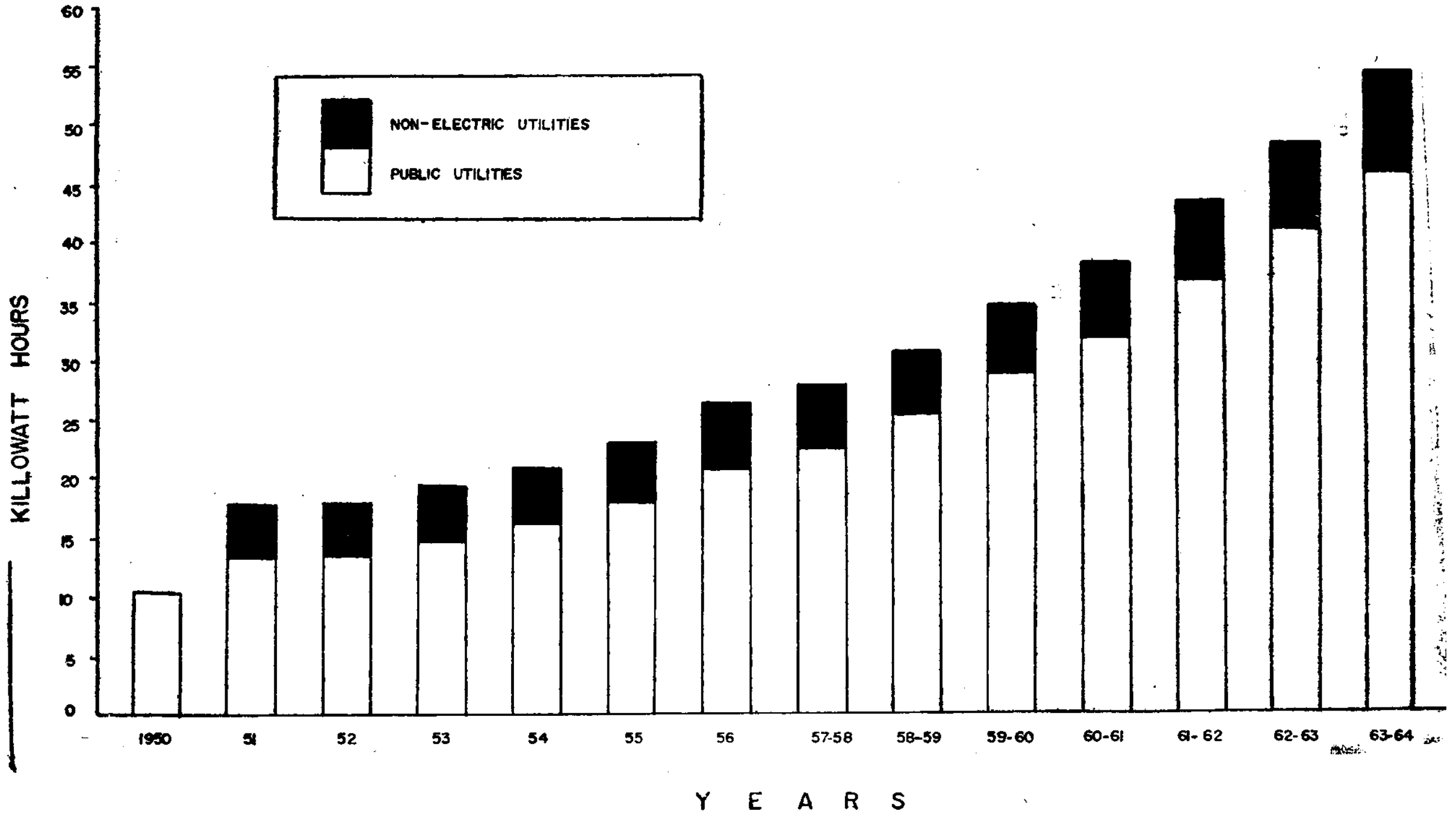
\*\*Partly estimated.

TABLE 37—ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY

Serial No.	Name of State/Union Territory	Population (Million)	Public Utilities (kWh)					Non-utilities* kWh	Total kWh	
			Domestic light and small power	Commercial light and small power	Industrial including public water works and sewage pumping, Railways, Tramways	Public lighting	Irrigation and dewatering			Total utilities
1	Andhra Pradesh .. ..	37.58	1.73	2.87	14.16	0.41	2.71	21.88	4.44	26.32
2	Assam .. ..	12.97	1.12	0.61	1.87	0.20	..	3.80	2.35	6.15
3	Bihar .. ..	49.06	1.24	0.93	28.48	0.10	0.40	31.15	22.53	53.68
4	Gujarat .. ..	22.16	4.83	2.17	52.97	0.85	1.74	62.56	5.25	67.81
5	Jammu & Kashmir .. ..	3.66	12.68	0.84	12.11	0.50	0.50	26.63	..	26.63
6	Kerala .. ..	18.00	3.88	0.29	29.81	0.51	0.82	35.34	0.25	35.59
7	Madhya Pradesh .. ..	34.53	1.81	1.05	17.60	0.48	0.19	21.13	7.76	28.89
8	Madras .. ..	34.83	6.22	5.56	38.50	1.23	16.96	68.47	7.35	75.82
9	Maharashtra .. ..	42.14	8.48	6.10	63.34	0.66	0.62	84.20	11.18	95.38
10	Mysore .. ..	25.02	4.06	0.88	37.92	0.87	1.56	45.29	4.38	49.67
11	Orissa .. ..	18.52	2.01	0.95	36.00	0.18	0.18	39.33	25.93	65.31
12	Punjab .. ..	21.76	4.19	3.50	90.28	0.47	5.21	103.65	3.32	106.97
13	Rajasthan .. ..	21.62	2.63	2.43	6.80	0.53	0.82	13.21	6.80	20.01
14	Uttar Pradesh .. ..	77.25	1.04	1.06	16.16	0.18	2.03	21.37	1.39	22.76
15	West Bengal .. ..	38.04	12.32	3.71	77.08	0.63	0.04	93.84	13.72	107.56
16	Union Territories—									
	(a) Delhi .. ..	3.02	48.60	25.55	86.87	4.88	3.16	169.06	31.68	200.74
	(b) Andaman & Nicobar Islands.	0.08	8.75	1.35	8.50	0.78	..	19.18	..	19.18
	(c) Goa, Daman & Diu .. ..	0.62	3.73	2.71	2.37	1.21	..	10.02	..	10.02
	(d) Himachal Pradesh .. ..	1.43	0.93	1.16	1.52	0.30	0.02	3.93	..	3.93
	(e) Laccadive, Minicoy and Amindivi Islands.	0.02	0.50	0.15	..	0.35	..	1.00	..	1.00
	(f) Manipur .. ..	0.85	1.54	0.07	0.30	0.07	..	1.98	..	1.98
	(g) Nagaland .. ..	0.41	1.31	..	0.15	0.18	..	1.64	..	1.64
	(h) Pondicherry .. ..	0.39	5.67	6.74	57.34	2.79	30.48	103.02	..	103.02
	(i) Tripura .. ..	1.36	1.48	0.15	0.28	0.66	..	2.07	..	2.07
	All India .. ..	465.38	4.43	2.53	35.97	0.53	2.48	45.94	8.50	54.44

\*Figures exclude sales to Public Utilities by non-Electric Utilities.

# PER CAPITA CONSUMPTION OF ELECTRICITY





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

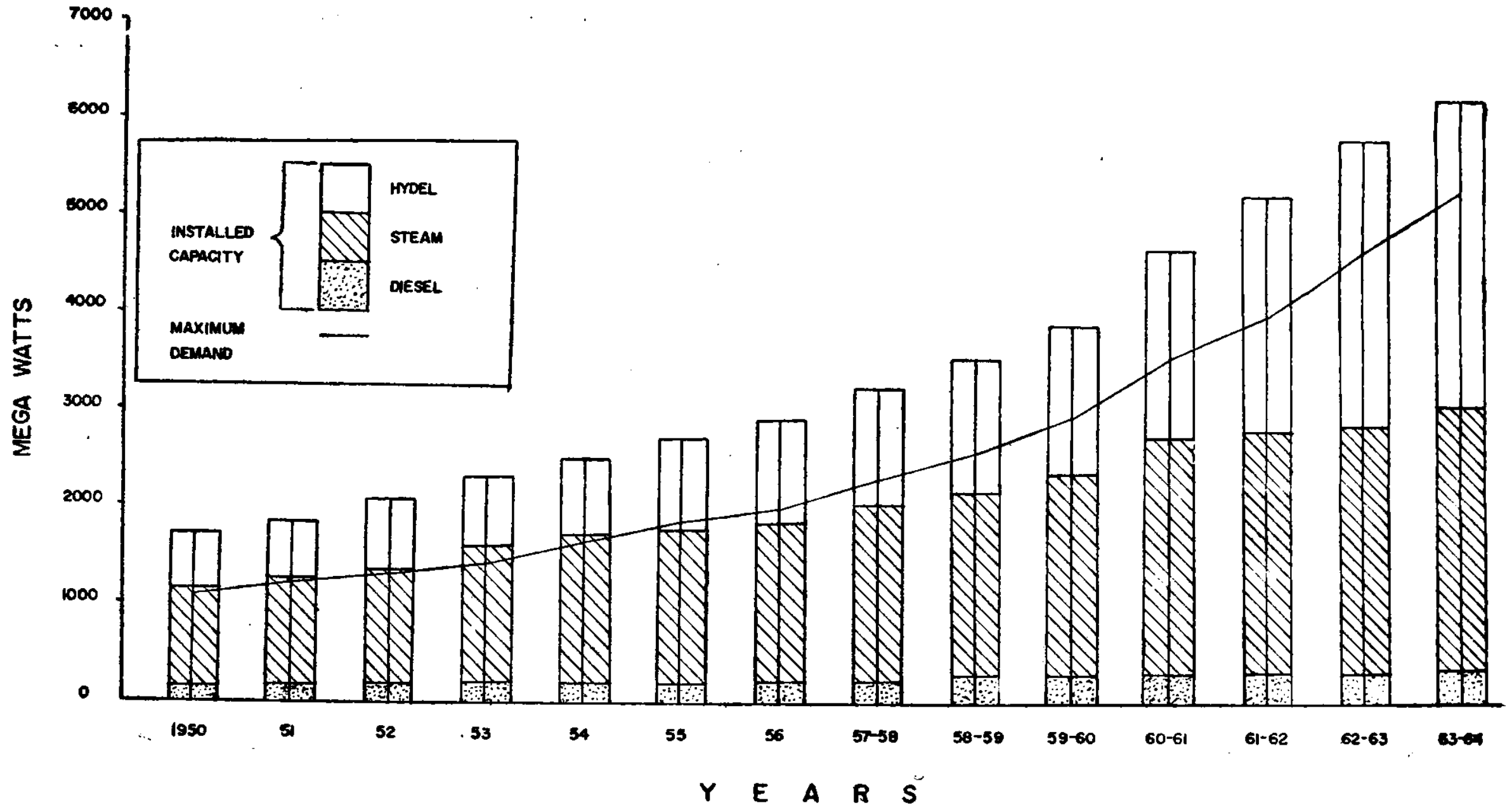


TABLE 38—PROGRESS OF ELECTRICITY SUPPLY—ALL INDIA

Year	Installed plant capacity in kW				Aggregate of maximum demand generating (kW)	Energy generated (Million kWh)	Energy generated per kW of capacity	Energy sold (Million kWh)	Average load factor based on column 6 and 7 %	Average plant demand factor on col. 5 & 6 %
	Steam	Diesel	Hydro	Total						
1	2	3	4	5	6	7	8	9	10	11
1939 .. ..	540,760	86,790	442,169	1,069,719	575,801	2,442,415	2,283	2,034,636	48.42	53.8
1947 .. ..	757,457	97,679	508,129	1,363,265	882,853	4,073,318	2,988	3,358,794	52.67	64.8
1948 .. ..	788,393	107,019	515,554	1,410,966	965,780	4,575,466	3,243	3,721,464	54.08	68.4
1949 .. ..	852,639	125,468	559,079	1,537,186	1,008,000	4,909,289	3,194	4,004,716	55.60	65.6
1950 .. ..	1,004,434	148,796	559,285	1,712,515	1,098,314	5,106,700	2,981	4,156,657	53.08	64.1
1951 .. ..	1,097,567	162,680	575,179	1,835,426	1,205,194	5,858,403	3,182	4,783,344	55.49	65.7
1952 .. ..	1,176,317	170,259	715,179	2,061,755	1,310,651	6,120,347	2,969	5,005,682	53.31	63.6
1953 .. ..	1,393,717	180,294	731,179	2,305,190	1,416,350	6,697,187	2,905	5,597,083	53.98	61.4
1954 .. ..	1,431,043	209,607	793,346	2,493,996	1,625,123	7,521,777	3,010	5,252,501	52.84	65.2
1955 .. ..	1,546,805	208,529	939,485	2,694,817	1,849,672	8,592,451	3,189	7,111,011	53.03	68.6
1956 .. ..	1,596,412	228,288	1,061,441	2,886,141	1,969,774	9,662,133	3,348	7,959,545	55.45	68.9
1957-58 .. ..	1,763,257	245,935	1,213,919	3,223,111	2,288,212	11,369,142	3,527	9,345,224	56.72	71.0
1958-59 .. ..	1,879,553	270,288	1,361,745	3,511,586	2,542,955	12,983,886	3,700	10,718,610	58.33	72.4
1959-60 .. ..	2,047,011	296,010	1,530,145	3,873,166	2,531,360	15,032,253	3,881	12,406,943	58.54	75.7
1960-61 .. ..	2,436,555	300,135	1,916,661	4,653,051	3,545,930	16,937,012	3,640	13,952,716	54.23	76.2
1961-62 .. ..	2,471,019	328,697	2,419,100	5,218,816	3,971,206	19,669,945	3,769	16,448,295	56.54	76.3
1962-63 .. ..	2,537,695*	327,152	2,386,349*	5,801,194*	4,635,049	22,364,972	3,855	18,679,021	55.08	79.9
1963-64 .. ..	2,696,480	365,289	2,166,764	6,228,533	5,255,703	25,497,772	4,094	21,379,664	55.38	84.4

\*Revised.

TABLE 39(1)—PROGRESS OF ELECTRICITY SUPPLY—ANDHRA PRADESH

Item	1951	1956	1960-61	1962-63@	1963-64@
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	46,000	46,000	83,500	90,700*	103,500
Diesel .. .. .	13,164	19,876	20,188	8,195	13,351
Hydro .. .. .	..	66,000	166,150	171,000	180,000
Total ..	59,164	131,876	269,838	269,895*	296,851
<b>Energy (Million kWh)—</b>					
<b>Generation—</b>					
Steam .. .. .	89·612	60·177	145·836	196·518	233·336
Diesel .. .. .	14·328	9·661	5·450	8·021	4·706
Hydro .. .. .	..	169·364	748·743	859·538	1,036·606
Total ..	130·940	239·202	900·029	1,064·077	1,274·648
Purchased from non-utilities and adjoining States.	..	..	1·040	4·111	5·582
Used by power station auxiliaries ..	..	..	23·237	25·000	20·771
Energy sent out .. .. .	..	..	1,877·832	1,043·188	1,259·459
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	120·325	11·723	120·141
<b>(ii) Within the State—</b>					
Domestic light and small power ..	20·946	32·666	70·815	95·000	64·900
Commercial light and small power ..	18·657	33·810	30·321	40·000	107·842
Industrial power .. .. .	44·297	88·641	393·331	545·000	506·578
Public lighting .. .. .	5·878	9·032	14·863	20·000	15·510
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering ..	4·905	10·458	54·827	90·000	101·858
Public water works and sewage pumping.	3·493	6·410	7·399	20·000	25·657
Total ..	98·176	181·017	571·556	810·000	822·345
Lost in transformation, transmission and distribution and unaccounted for.	..	..	185·751	221·465	316·973

\*Revised.

@Provisional.

TABLE 39(2)—PROGRESS OF ELECTRICITY SUPPLY—ASSAM

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	200	622	..	..	..
Diesel .. .. .	2,593	4,108	10,160	16,723	19,425
Hydro .. .. .	550	550	9,270	9,940	9,940
Total ..	3,343	5,280	19,430	26,663	29,365
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	0.001	..	..	..	..
Diesel .. .. .	4.469	8.372	15.336	19.970	20.553
Hydro .. .. .	2.130	2.897	20.883	26.196	36.549
Total ..	6.600	11.269	36.219	46.166	57.102
Purchased from non-utilities and adjoining States.	..	..	..	..	..
Used by power station auxiliaries ..	..	..	1.273	1.741	2.183
Sent out .. .. .	..	..	34.946	44.425	54.919
<b>Sales</b>					
(i) To adjoining States .. .. .	..	..	..	..	..
<b>(ii) Within the State—</b>					
Domestic light and small power ..	2.080	3.331	9.897	13.111	14.531
Commercial light and small power ..	2.060	3.689	4.212	4.357	7.954
Industrial power .. .. .	0.772	1.383	11.827	18.322	23.298
Public lighting .. .. .	0.614	0.740	2.699	2.454	2.577
Railways Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	..	..	..	0.009	..
Public water works and sewage pumping.	0.069	0.143	0.463	0.629	0.942
Total ..	5.595	9.286	29.098	38.882	49.302
Lost in transformation, transmission and distribution and unaccounted for	..	..	5.848	5.543	5.617

TABLE 39(3)—PROGRESS OF ELECTRICITY SUPPLY—BIHAR

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	39,510	185,045	288,520	285,770	313,770
Diesel .. .. .	7,486	15,396	18,373	19,371	22,704
Hydro .. .. .	..	4,000	44,000	44,000	44,000
Total ..	46,996	204,441	350,893	349,141	380,474
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	118,870	580,118	1,408,554	1,562,036	1,844,240
Diesel .. .. .	13,162	20,964	44,024	51,719	49,200
Hydro .. .. .	..	2,153	143,655	145,717	184,326
Total ..	132,032	603,235	1,596,233	1,759,472	2,077,766
Purchased from non-utilities and adjoining States.	..	..	67,789*	99,040	297,903
Used by power station auxiliaries ..	..	..	98,629	129,121	156,338
Sent out .. .. .	..	..	1,565,993*	1,729,391	2,185,421
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	457,839*	251,246	490,272
<b>(ii) Within the State—</b>					
Domestic light and small power ..	14,820	27,138	44,312	58,706	60,783
Commercial light and small power ..	6,062	13,296	29,830	40,607	45,518
Industrial power .. .. .	87,847	298,543	776,395	1,003,838	1,219,855
Public lighting .. .. .	1,098	1,937	3,647	4,725	4,912
Railways/Tramways .. .. .	..	..	4,528	130,835	153,646
Irrigation and dewatering .. .. .	4,599	4,272	18,255	19,998	19,453
Public water works and sewage pumping.	4,167	8,126	12,238	21,150	23,997
Total ..	118,593	353,312	889,205	1,279,859	1,528,164
Lost in transformation, transmission and distribution and unaccounted for.	..	..	218,949	198,287	200,895

\*Revised.

NOTE—The above figures have been suitably adjusted to cover the area served by D.V.C. in Bihar.

TABLE 39(4)—PROGRESS OF ELECTRICITY SUPPLY—GUJARAT

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	108,930	183,600	280,900	310,600	355,600
Diesel .. .. .	32,948	40,005	52,367	57,459	64,899
Hydro .. .. .	..	..	..	..	..
<b>Total ..</b>	<b>141,878</b>	<b>224,605</b>	<b>333,267</b>	<b>368,059</b>	<b>420,499</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	316,405	739,372	1,209,144	1,464,236	1,629,269
Diesel .. .. .	57,244	51,577	62,083	67,147	70,682
Hydro .. .. .	..	..	..	..	..
<b>Total ..</b>	<b>373,649</b>	<b>790,949</b>	<b>1,271,227</b>	<b>1,531,383</b>	<b>1,699,951</b>
<b>Purchased from non-utilities and adjoining States.</b>	..	..	..	0,610	0,711
<b>Used by power station auxiliaries</b> ..	..	..	82,615	105,207	119,199
<b>Sent out</b> .. .. .	..	..	1,188,612	1,426,786	1,581,463
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	..	..	..
(ii) Within the State—					
Domestic light and small power ..	30,901	46,726	71,573	92,246	107,083
Commercial light and small power ..	12,328	14,936	31,660	31,989	48,019
Industrial power .. .. .	266,694	590,402	805,961	996,822	1,122,903
Public lighting .. .. .	5,889	8,980	15,274	16,838	18,926
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	1,326	6,060	19,610	48,337	38,504*
Public water works and sewage pumping.	12,083	26,746	39,560	46,357	50,948
<b>Total ..</b>	<b>329,221</b>	<b>693,850</b>	<b>983,638</b>	<b>1,235,588</b>	<b>1,386,383</b>
<b>Lost in transformation, transmission and distribution and unaccounted for.</b>	..	..	204,974	191,198	195,080

\*Provisional.

TABLE 39(5)—PROGRESS OF ELECTRICITY SUPPLY—JAMMU &amp; KASHMIR

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	1,500	1,500	1,500	1,500	1,500
Diesel .. .. .	465	769	869	1,436	1,536
Hydro .. .. .	4,514	10,606	10,612	28,612	29,252
<b>Total</b> ..	<b>6,479</b>	<b>12,875</b>	<b>12,981</b>	<b>31,548</b>	<b>32,288</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	1.774	..	..	..	..
Diesel .. .. .	0.261	0.075	0.025	0.025	..
Hydro .. .. .	23.479	23.896	43.489	72.190	89.491
<b>Total</b> ..	<b>25.514</b>	<b>23.971</b>	<b>43.514</b>	<b>72.215</b>	<b>89.491</b>
Purchased from non-utilities and adjoining States.	..	..	17.500	24.300	29.295
Used by power station auxiliaries ..	..	..	0.509	0.509	1.282
Sent out .. .. .	..	..	60.505	96.006	117.504
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	..	..	..
<b>(ii) Within the State—</b>					
Domestic light and small power ..	7.660	8.864	22.500	37.690	46.392
Commercial light and small power ..	0.811	0.176	1.000	2.500	3.077
Industrial power .. .. .	6.318	6.424	22.000	31.000	38.158
Public lighting .. .. .	0.552	0.566	1.300	1.500	1.846
Railways Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	0.424	0.302	0.700	1.500	1.846
Public water works and sewage pumping.	1.610	2.086	3.500	5.000	6.155
<b>Total</b> ..	<b>17.375</b>	<b>18.418</b>	<b>51.000</b>	<b>79.190</b>	<b>97.474</b>
Lost in transformation, transmission and distribution and unaccounted for.	..	..	9.505	16.816	20.030

TABLE 39(6)—PROGRESS OF ELECTRICITY SUPPLY—KERALA

Item	1951	1956	1960-61	1962-63	1963-64
Installed plant capacity in (kW)					
Steam .. .. .	..	..	..	..	..
Diesel .. .. .	4,170	4,277	4,762	3,815	1,205
Hydro .. .. .	28,500	85,500	132,500	147,500	192,500
Total ..	32,670	89,777	137,262	151,315	193,705
Energy (Million kWh)					
Generation—					
Steam .. .. .	..	..	..	..	..
Diesel .. .. .	1.460	0.132	..	..	..
Hydro .. .. .	152.179	349.599	581.818	709.060	758.777
Total ..	153.639	349.731	581.818	709.060	758.777
Purchased from non-utilities and adjoining States. .. .. .	..	..	50.341	58.965	68.907
Used by power station auxiliaries ..	..	..	18.394	17.037	19.901
Sent out .. .. .	..	..	613.765	750.988	807.783
Sales—					
(i) To adjoining States .. .. .	..	..	11.591	15.424	0.122
(ii) Within the State—					
Domestic light and small power ..	13.748	22.890	51.073	68.360	70.120
Commercial light and small power ..	2.697	2.291	3.851	4.846	5.174
Industrial power .. .. .	140.939	223.592	396.407	503.292	532.314
Public lighting .. .. .	1.604	2.722	8.358	9.264	9.272
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	6.170	10.721	18.287	18.344	14.892*
Public water works and sewage pumping	3.292	7.001	7.844	7.904	6.532*
Total ..	168.450	269.217	485.820	612.011	638.304
Lost in transformation, transmission and distribution and unaccounted for. ..	..	..	116.344	123.553	169.357

\*Provisional.

M/B(D)35CW&amp;PC(WW)—6



TABLE 39(7)—PROGRESS OF ELECTRICITY SUPPLY—MADHYA PRADESH

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	27,308	66,322	169,798	166,288	174,000
Diesel .. .. .	11,979	15,984	28,739	29,800	28,090
Hydro .. .. .	..	..	69,000	69,000	92,000
<b>Total ..</b>	<b>39,287</b>	<b>82,306</b>	<b>267,537</b>	<b>265,088</b>	<b>294,000</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	57·354	150·070	429·677	531·747	595·903
Diesel .. .. .	15·953	19·271	24·049	26·683	24·570
Hydro .. .. .	..	..	23·240	263·051	494·625
<b>Total ..</b>	<b>73·307</b>	<b>169·341</b>	<b>476·966</b>	<b>821·481</b>	<b>1,115·098</b>
Purchased from non-utilities and adjoining States. .. .. .	..	..	30·000	39·856	44·039
Used by power station auxiliaries .. .. .	..	..	30·985	47·576	54·624
Sent out .. .. .	..	..	475·981	813·761	1,104·513
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	3·000	64·239	223·340
<b>(ii) Within the State—</b>					
Domestic light and small power .. .. .	14·845	25·206	45·397	53·787	62·281
Commercial light and small power .. .. .	7·470	13·525	20·790	31·909	36·190
Industrial power .. .. .	23·094	77·280	301·267	485·189	574·634
Public lighting .. .. .	2·183	4·801	9·113	14·446	16·592
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	0·188	0·698	3·890	5·490	6·547
Public water works and sewage pumping. .. .. .	10·321	18·486	25·243	27·990	33·238
<b>Total ..</b>	<b>58·101</b>	<b>139·996</b>	<b>405·700</b>	<b>618·811</b>	<b>729·482</b>
Lost in transformation, transmission and distribution and unaccounted for. .. .. .	..	..	67·281	130·711	151·691

TABLE 39(8)—PROGRESS OF ELECTRICITY SUPPLY—MADRAS

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	52,000	84,000	101,500	101,500	101,500
Diesel .. .. .	516	516	516	516	..
Hydro .. .. .	101,950	165,150	415,450	470,350*	529,750
<b>Total ..</b>	<b>154,466</b>	<b>249,666</b>	<b>517,466</b>	<b>572,366</b>	<b>631,250</b>
<b>Energy (Million kWh) Generation—</b>					
Steam .. .. .	140,189	281,718	416·171	455·174	449·970
Diesel .. .. .	0·195	..	..	..	..
Hydro .. .. .	579·173	802·619	1,797·545	2,159·930	1,880·194
<b>Total ..</b>	<b>719·557</b>	<b>1,084·337</b>	<b>2,213·716</b>	<b>2,615·104</b>	<b>2,330·164</b>
<b>Purchased from non-utilities and adjoining States.</b>					
Used by power station auxiliaries ..	..	..	64·746	70·485	61·426
Sent out .. .. .	..	..	2,172·836	2,787·738	3,054·941
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	80·549	107·138	123·105
<b>(ii) Within the State—</b>					
Domestic light and small power ..	59·340	108·915	152·890	194·483	216·536
Commercial light and small power ..	54·693	90·398	156·712	169·400	193·750
Industrial power .. .. .	324·291	449·368	909·791	1,148·803	1,303·051
Public lighting .. .. .	14·178	20·774	33·920	39·830	42·931
Railways/Tramways .. .. .	15·749	12·628	15·000	15·546	16·290
Irrigation and dewatering .. .. .	69·636	138·300	382·403	522·750	590·634
Public water works and sewage pumping.	8·625	10·319	14·427	18·073	21·667
<b>Total ..</b>	<b>546·512</b>	<b>830·702</b>	<b>1665·143</b>	<b>2,108·885</b>	<b>2,384·859</b>
<b>Lost in transformation, transmission and distribution and unaccounted for.</b>					
..	..	..	427·177	571·715	546·977

\*Revised.

M/B(D)35CW&amp;PC(WW)—6a

TABLE 39(9)—PROGRESS OF ELECTRICITY SUPPLY—MAHARASHTRA

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	64,954	225,110	443,250	443,250	307,250
Diesel .. .. .	21,122	27,917	34,363	46,517	54,366
Hydro .. .. .	253,114	279,914	281,914	523,888*	523,888
Total ..	339,190	532,941	759,527	1,013,655*	885,504
<b>Energy (Million kWh) Generation—</b>					
Steam .. .. .	280·038	742·343	1,834·760	1,896·590	1,411·567
Diesel .. .. .	32·203	33·879	68·171	78·504	72·495
Hydro .. .. .	1,229·024	1,467·483	1,364·946	2,051·819	2,854·778
Total ..	1,541·265	2,248·705	3,267·877	4,026·913	4,338·840
Purchased from non-utilities and adjoining States	..	..	2·200	..	..
Used by power station auxiliaries ..	..	..	136·118	157·168	122·108
Sent out .. .. .	..	..	3,133·959	3,869·745	4,216·732
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	30·000	39·481	43·418
<b>(ii) Within the State—</b>					
Domestic light and small power ..	107·964	165·574	259·901	332·295	357·408
Commercial light and small power ..	86·133	131·301	198·230	236·929	256·869
Industrial power .. .. .	815·801	1,234·899	1,852·666	2,395·916	2,734·408
Public lighting .. .. .	7·129	14·503	19·883	25·244	27·615
Railways/Tramways .. .. .	270·946	344·463	338·927	389·259**	126·478
Irrigation and dewatering .. .. .	2·748	5·129	14·759	17·802	26·063
Public water works and sewage pumping.	23·346	31·366	35·157	28·286	19·462†
Total ..	1,314·067	1,927·235	2,719·523	3,425·731	3,548·303
Lost in transformation, transmission and distribution and unaccounted for.	..	..	384·436	404·533	625·011

\*Revised.

\*\*Excludes traction sales from Chola Power Station.

†Provisional.

TABLE 39(10)—PROGRESS OF ELECTRICITY SUPPLY—MYSORE

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	57	..	..	..	11,100
Diesel .. .. .	7,681	12,264	12,876	13,611	16,196
Hydro .. .. .	107,200	178,200	178,200	199,200*	230,400
<b>Total ..</b>	<b>114,938</b>	<b>190,464</b>	<b>191,076</b>	<b>212,811*</b>	<b>257,696</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	..	..	..	..	2·259
Diesel .. .. .	13·159	16·449	19·242	23·547	22·826
Hydro .. .. .	525·343	809·725	1,038·756	1,139·907	1,291·436
<b>Total ..</b>	<b>538·502</b>	<b>826·174</b>	<b>1,057·998</b>	<b>1,163·454</b>	<b>1,316·621</b>
Purchased from non-utilities and adjoining States	..	..	49·250	2·984	46·098
Used by power station auxiliaries ..	..	..	16·652	17·470	20·433
Sent out .. .. .	..	..	1,089·590	1,148·968	1,342·186
<b>Sales—</b>					
(i) To adjoining States .. ..	..	..	..	..	..
<b>(ii) Within the State—</b>					
Domestic light and small power ..	31·987	55·489	75·243	85·563	101·553
Commercial light and small power ..	8·734	17·785	21·299	25·364	22·115
Industrial power .. .. .	292·174	486·229	731·889	759·232	863·581
Public lighting .. .. .	7·140	13·838	18·880	20·141	21·670
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	6·967	16·465	28·714	31·073	39·050
Public water works and sewage pumping	37·034	42·574	58·915	60·136	65·299
<b>Total ..</b>	<b>384·036</b>	<b>632·380</b>	<b>934·940</b>	<b>981·509</b>	<b>1,133·268</b>
Lost in transformation, transmission and distribution and unaccounted for.	..	..	154·640	167·459	208·918

\*Revised.

TABLE 39(11)—PROGRESS OF ELECTRICITY SUPPLY—ORISSA

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	776	5,776	5,776	5,000	5,750
Diesel .. .. .	4,079	3,991	7,468	12,480	12,460
Hydro .. .. .	5	24,005	123,005	208,500	270,000
Total ..	4,860	33,772	136,249	225,960	288,210
<b>Energy in (Million kWh) Generation—</b>					
Steam .. .. .	2.133	17.617	..	..	..
Diesel .. .. .	4.665	3.517	5.901	2.831	2.712
Hydro .. .. .	0.013	0.011	483.738	827.162	908.359
Total ..	6.811	21.145	489.639	829.993	911.071
Purchased from non-utilities and adjoining States	..	..	104.813	35.729	101.837
Used by power station auxiliaries ..	..	..	3.680	7.076	9.975
Sent out .. .. .	..	..	590.773	858.646	1,002.933
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	25.000	15.075	78.621
<b>(ii) Within the State—</b>					
Domestic light and small power ..	2.256	4.023	18.300	34.000	37.230
Commercial light and small power ..	1.408	1.938	7.870	16.000	17.520
Industrial power .. .. .	1.117	7.578	457.465	600.000	657.000
Public lighting .. .. .	0.243	0.614	1.487	3.000	3.285
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	..	..	0.752	3.000	3.285
Public water works and sewage pumping	0.101	1.049	2.297	10.000	10.950
Total ..	5.125	15.202	488.171	666.000	729.270
Lost in transformation, transmission and distribution and un-accounted for.	..	..	77.602	177.571	195.042

TABLE 39(12)—PROGRESS OF ELECTRICITY SUPPLY—PUNJAB

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	2,376	7,826	7,876	12,050*	18,100
Diesel .. .. .	18,245	20,647	16,725	14,314	16,620
Hydro .. .. .	49,990	145,990	326,476	654,956	654,836
<b>Total ..</b>	<b>70,611</b>	<b>174,463</b>	<b>351,077</b>	<b>681,320*</b>	<b>689,556</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	2,881	6,769	6,658	7,243	10,684
Diesel .. .. .	19,882	8,359	8,093	2,453	1,231
Hydro .. .. .	184,420	425,697	988,887	2,370,892	2,986,016
<b>Total ..</b>	<b>207,183</b>	<b>440,825</b>	<b>1,003,638</b>	<b>2,380,588</b>	<b>2,997,931</b>
Purchased from non-utilities and adjoining States	..	..	..	..	..
Used by power station auxiliaries ..	..	..	7,955	10,811	10,484
Sent out .. .. .	..	..	995,683	2,369,777	2,987,447
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	182,875	347,069	420,038
<b>(ii) Within the State—</b>					
Domestic light and small power ..	24,898	40,840	69,867	109,843	91,225†
Commercial light and small power ..	12,006	34,819	61,397	84,170	76,250†
Industrial power .. .. .	56,128	153,632	365,974	1,398,282	1,956,730
Public lighting .. .. .	2,443	5,755	9,092	8,984	10,143
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	0,490	22,655	74,848	111,353	113,340
Public water works and sewage pumping	6,589	8,729	9,121	10,855	7,714†
<b>Total ..</b>	<b>102,554</b>	<b>266,430</b>	<b>580,299</b>	<b>1,723,517</b>	<b>2,255,402</b>
Lost in transformation, transmission and distribution and unaccounted for.	..	..	232,509	299,191	312,007

\*Revised.

†Provisional.

TABLE 39(13)—PROGRESS OF ELECTRICITY SUPPLY—RAJASTHAN

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	17,265	24,000	46,250	46,250	47,850
Diesel .. .. .	13,675	19,787	24,425	27,466	29,389
Hydro .. .. .	..	..	..	..	..
Total ..	30,940	43,787	70,675	73,716	77,239
<b>Energy (Million kWh) Generation—</b>					
Steam .. .. .	42·716	61·279	70·411	63·122	44·904
Diesel .. .. .	21·552	29·030	37·991	42·469	35·506
Hydro .. .. .	..	..	..	..	..
Total ..	64·268	90·309	108·402	105·591	80·410
Purchased from non-utilities and adjoining States	..	..	22·808	103·498	273·669
Used by power station auxiliaries ..	..	..	6·395	7·124	6·733
Sent out .. .. .	..	..	124·815	201·965	347·346
<b>Sales—</b>					
(i) To Adjoining States .. .. .	..	..	..	..	..
<b>(ii) Within the State—</b>					
Domestic light and small power ..	10·834	12·325	20·734	34·028	56·747
Commercial light and small power ..	5·833	11·115	15·858	29·739	52·621
Industrial power .. .. .	14·198	21·890	33·580	49·157	85·227
Public lighting .. .. .	1·969	2·987	5·200	6·893	11·585
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering ..	1·664	1·845	3·621	9·518	17·772
Public water works and sewage pumping.	12·923	14·459	19·537	34·895	61·780
Total ..	47·421	64·621	98·530	164·230	285·732
Lost in transformation, transmission and distribution and unaccounted for.	..	..	26·285	37·735	61·614

TABLE 39(14)—PROGRESS OF ELECTRICITY SUPPLY—UTTAR PRADESH

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	1 61,090	179,860	270,810	342,285	380,710
Diesel .. .. .	12,883	32,490	34,164	41,342	42,688
Hydro .. .. .	26,220	96,390	92,470	341,970	341,970
Total ..	200,193	308,740	397,444	725,597	765,368
<b>Energy (Million kWh) Generation—</b>					
Steam .. .. .	398·271	490·820	786·262	837·231	1,202·779
Diesel .. .. .	14·181	20·343	26·092	22·765	14·467
Hydro .. .. .	157·320	232·309	439·967	1,004·442	1,266·521
Total ..	569·772	743·481	1,252·321	1,864·438	2,483·767
Purchased from non-utilities and adjoining States	..	..	..	..	..
Used by power station auxiliaries ..	..	..	59·551	89·494	92·563
Sent out .. .. .	..	..	1,192·770	1,774·944	2,391·204
<b>Sales</b>					
(i) To adjoining States .. ..	..	..	..	69·400	182·130
<b>(ii) Within the State—</b>					
Domestic light and small power ..	49·587	71·510	122·718	164·792	149·743†
Commercial light and small power ..	40·451	59·317	74·736	103·728	82·132†
Industrial power .. .. .	230·991	314·181	503·928	758·767	1,153·815
Public lighting .. .. .	6·246	8·384	13·848	30·004	13·955†
Railways/Tramways .. .. .	..	..	..	33·000	34·000
Irrigation and dewatering .. ..	98·230	90·441	199·992	201·331	157·068
Public water works and sewage pumping.	32·434	42·145	60·481	86·889	60·383
Total ..	457·939	585·978	975·703	1,378·501	1,651·096
Lost in transformation, transmission and distribution and unaccounted for.	..	..	217·067	327·043	557·978

†Provisional.



TABLE 39(15)—PROGRESS OF ELECTRICITY SUPPLY—WEST BENGAL

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	539,901	528,351	676,975	676,150	783,150
Diesel .. .. .	3,513	5,612	9,473	8,552	10,099
Hydro .. .. .	2,760	4,760	67,208	67,208	67,508
<b>Total ..</b>	<b>546,174</b>	<b>538,723</b>	<b>753,656</b>	<b>751,910</b>	<b>860,757</b>
<b>Energy (Million kWh) Generation—</b>					
Steam .. .. .	1,196·902	1,765·624	2,150·169	2,934·454	3,477·437
Diesel .. .. .	4·443	4·632	8·684	10·339	11·621
Hydro .. .. .	5·929	8·335	159·886	173·953	167·923
<b>Total ..</b>	<b>1,207·274</b>	<b>1,778·591</b>	<b>2,318·739</b>	<b>3,118·746</b>	<b>3,656·981</b>
Purchased from non-utilities and adjoining States	..	..	604·970*	453·846	685·172
Used by power station auxiliaries ..	..	..	130·595	200·946	219·506
Sent out .. .. .	..	..	2,793·114*	3,371·646	4,122·717
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	10·000	1·600	1·880
<b>(ii) Within the State—</b>					
Domestic light and small power ..	180·831	253·402	353·517	413·687	468·668
Commercial light and small power ..	37·550	79·275	115·786	130·125	141·172
Industrial power .. .. .	731·949	1,291·502	1,808·128	2,221·704	2,693·330
Public lighting .. .. .	8·346	15·112	23·395	25·689	26·369
Railways/Tramways .. .. .	42·899	47·487	95·297	153·704	145·721
Irrigation and dewatering .. .. .	..	2·170	0·650	3·000	1·413
Public water works and sewage pumping	32·564	65·594	95·993	95·307	94·289†
<b>Total ..</b>	<b>1,034·139</b>	<b>1,754·542</b>	<b>2,492·766</b>	<b>3,043·116</b>	<b>3,570·962</b>
Lost in transformation, transmission and distribution and unaccounted for.	..	..	290·348*	326·930	549·855

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

\*Revised.

† Provisional.

TABLE 39(16)—PROGRESS OF ELECTRICITY SUPPLY—DELHI

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)—</b>					
Steam .. .. .	85,150	52,400	53,600	55,600	91,600
Diesel .. .. .	7,436	2,791	22,703	22,715	22,630
Hydro .. .. .	..	..	..	..	..
<b>Total ..</b>	<b>42,586</b>	<b>55,191</b>	<b>76,303</b>	<b>78,315</b>	<b>114,230</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	131·881	231·676	271·406	225·936	281·947
Diesel .. .. .	5·400	0·541	39·350	22·893	9·649
Hydro .. .. .	..	..	..	..	..
<b>Total ..</b>	<b>137·281</b>	<b>232·217</b>	<b>310·756</b>	<b>248·829</b>	<b>291·596</b>
Purchased from non-utilities and adjoining States	..	..	142·837	277·216	335·064
Used by power station auxiliaries ..	..	..	39·243	25·286	29·754
Sent out .. .. .	..	..	414·350	500·759	596·906
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	..	..	..
<b>(ii) Within the State—</b>					
Domestic light and small power ..	24·250	52·462	97·101	123·586	146·777
Commercial light and small power ..	83·003	57·629	72·892	89·178	77·172
Industrial power .. .. .	32·406	74·306	153·892	169·552	193·821
Public lighting .. .. .	2·637	6·491	10·937	14·164	14·734
Railways/Tramways .. .. .	..	0·347	0·171	1·500	1·788
Irrigation and dewatering ..	5·730	4·928	5·007	8·012	9·536
Public water works and sewage pumping	21·420	31·592	43·185	56·097	66·752
<b>Total ..</b>	<b>119·446</b>	<b>227·755</b>	<b>383·185</b>	<b>462·089</b>	<b>510·580</b>
Lost in transformation, transmission and distribution and unaccounted for.	..	..	31·475	38·670	86·326

TABLE 39(17)—PROGRESS OF ELECTRICITY SUPPLY—UNION TERRITORIES  
(EXCLUDING DELHI)

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	550	6,000	6,000	6,000	1,100
Diesel .. .. .	725	1,258	1,964	2,860	9,631
Hydro .. .. .	376	376	406	225	720
<b>Total ..</b>	<b>1,651</b>	<b>7,634</b>	<b>8,370</b>	<b>9,085</b>	<b>11,451</b>
<b>Energy (Million kWh)</b>					
<b>Generation—</b>					
Steam .. .. .	0·082	6·308	8·361	2·576	2·033
Diesel .. .. .	0·615	1·554	2·930	4·201	14·525
Hydro .. .. .	0·688	0·789	1·028	0·685	1·100
<b>Total ..</b>	<b>1·335</b>	<b>8·651</b>	<b>7·319</b>	<b>7·462</b>	<b>17·658</b>
<b>Purchased from non-utilities and adjoining States</b>					
Used by power station auxiliaries ..	..	..	1·281	0·513	0·727
Sent out .. .. .	..	..	38·044	57·305	71·073
<b>Sales—</b>					
(i) To adjoining States .. .. .	..	..	..	..	..
<b>(ii) Within the State—</b>					
Domestic light & small power ..	0·910	2·761	6·453	6·756	10·422
Commercial light and small power ..	0·372	0·553	1·601	4·754	6·341
Industrial power .. .. .	0·173	3·575	15·783	24·965	26·476
Public lighting .. .. .	0·140	0·531	1·345	1·676	2·548
Railways/Tramways .. .. .	..	..	..	..	..
Irrigation and dewatering .. .. .	..	1·734	6·606	12·010	11·919
Public water works and sewage pumping	0·009	0·251	0·830	0·941	1·032
<b>Total ..</b>	<b>1·604</b>	<b>9·405</b>	<b>32·618</b>	<b>51·102</b>	<b>58·738</b>
<b>Lost in transformation, transmission and distribution and unaccounted for.</b>					
..	..	2·328	5·426	6·203	12·335

TABLE 40—INDEX NUMBER OF ELECTRICITY SUPPLY—ALL INDIA

Item	1951	1956	1960-61	1962-63	1963-64
<b>Installed plant capacity in (kW)</b>					
Steam .. .. .	100	145.4	222.0	231.2	245.9
Diesel .. .. .	100	139.1	184.5	201.1	224.6
Hydro .. .. .	100	184.5	333.2	510.6	550.6
<b>All Types ..</b>	<b>100</b>	<b>157.2</b>	<b>253.5</b>	<b>316.1</b>	<b>339.4</b>
<b>Energy generated H</b>					
Steam .. .. .	100	184.4	314.2	366.2	402.6
Diesel .. .. .	100	106.2	167.5	174.6	161.0
Hydro .. .. .	100	150.1	274.0	412.8	488.7
<b>All Types ..</b>	<b>100</b>	<b>164.9</b>	<b>289.1</b>	<b>381.8</b>	<b>435.1</b>
Coal consumption .. .. .	100	163.9	270.3	322.6	353.5
Fuel consumption .. .. .	100	104.3	153.1	163.3	154.6
Aggregate Maximum Demand .. .. .	100	165.1	294.2	384.6	436.4
Energy sales .. .. .					
Domestic light and small power ..	100	157.2	251.2	322.8	347.0
Commercial light and small power ..	100	165.4	256.9	317.7	357.9
Industrial power .. .. .	100	174.0	317.0	428.6	514.3
Public lighting .. .. .	100	173.2	285.8	362.2	361.6
Railways/Tramways .. .. .	100	122.9	137.7	219.6	145.0
Irrigation and dewatering .. .. .	100	155.7	410.2	543.5	567.9
Public water works and sewage pumping	100	150.9	207.6	262.5	265.2
<b>All categories ..</b>	<b>100</b>	<b>166.1</b>	<b>288.9</b>	<b>339.6</b>	<b>446.0</b>

(Base : 1951 = 100)

TABLE 41—TRANSMISSION AND DISTRIBUTION LINES AS ON 31-3-1964, IN CIRCUIT KILOMETRES

Sl. No.	Name of State/ Union Territory/Power Corporation	Distribution lines upto 500 volts	2·2/3·3 kV		5/6·6 kV		11 kV		22 kV	
			O.H.	U.G.	O.H.	U.G.	O.H.	U.G.	O.H.	U.G.
1	Andhra Pradesh .. ..	18,750·2	40·0	12·0	421·0	21·0	15,265·9	3·0	..	..
2	Assam .. ..	1,121·8	34·3	1·5	..	..	374·5	..	..	..
3	Bihar .. ..	9,352·5	88·9	14·8	202·8	39·3	13,376·6	35·3	..	..
4	Gujarat .. ..	9,293·4	78·0	124·3	11·0	0·1	4,172·1	491·3	1,638·4	..
5	Jammu & Kashmir*	1,296·4	..	..	490·2	0·4	860·0	..	..	..
6	Kerala .. ..	11,702·7	137·8	..	4·0	11·2	6,051·7	29·0	171·4	..
7	Madhya Pradesh*	4,173·3	132·1	50·2	87·9	19·2	2,947·6	13·5	25·4	1·6
8	Madras .. ..	60,547·9	87·2	0·6	208·5	122·6	18,070·3	240·6	9,206·0	..
9	Maharashtra .. ..	16,561·3	170·7	82·0	192·8	704·8	9,214·0	411·5	2,419·4	218·1
10	Mysore .. ..	17,561·0	53·0	5·4	5,074·5	179·8	11,026·0	15·5	72·0	..
11	Orissa* .. ..	1,251·2	49·6	3·4	..	..	1,804·6	18·1	..	..
12	Punjab .. ..	10,632·7	11·8	34·9	..	..	14,717·2	2·0	..	..
13	Rajasthan** .. ..	3,451·8	45·7	11·6	292·5	822·9	1,357·0	186·7	154·6	..
14	Uttar Pradesh*	14,026·7	278·2	323·4	204·9	84·2	21,159·5	42·2	67·8	0·3
15	West Bengal .. ..	7,292·6	63·6	136·3	352·2	1,484·0	3,594·2	101·7	..	63·0
16	Union Territories—									
	(a) Delhi* .. ..	3,000·3	..	..	108·6	246·2	407·0	267·4	..	..
	(b) Andaman & Nicobar Islands	30·5	..	..	22·2	..	..	..	..	..
	(c) Goa, Daman & Diu .. ..	1,850·2	173·1	95·1	..	..	..	..	..	..
	(d) Himachal Pradesh .. ..	999·0	..	..	..	..	588·0	..	527·0	..
	(e) Laccadive, Minicoy and Amindivi Islands .. ..	29·9	..	..	..	..	..	..	..	..
	(f) Manipur .. ..	165·0	..	..	22·4	..	103·6	..	..	..
	(g) Nagaland .. ..	79·6	..	..	..	..	5·0	..	..	..
	(h) Pondicherry* .. ..	946·2	12·0	0·1	..	..	31·5	..	197·6	..
	(i) Tripura .. ..	108·0	..	..	..	..	92·77	..	..	..
17	Damodar Valley Corporation	..	..	..	..	..	..	..	..	..
	<b>Total .. ..</b>	<b>194,224·2</b>	<b>1,456·0</b>	<b>895·6</b>	<b>7,695·5</b>	<b>3,735·7</b>	<b>125,219·0</b>	<b>1,857·8</b>	<b>14,479·6</b>	<b>283·0</b>

\* 1962-63 figures repeated.

\*\* Excludes Churu Division.

O.H. = Over-head.

U.G. = Underground.

TABLE 41—contd.

Sl. No.	Name of State/Union Territory/Power Corporation	33 kV		44/37.5	78/66	110/90	132 kV	220 kV	230 kV	Total
		O.H.	U.G.	O.H.	O.H.	O.H.	O. H.	O.H.	O.H.	
1	Andhra Pradesh .. ..	3,661.7	..	..	2,979.5	..	1,623.1	..	..	42,777.4
2	Assam .. .. .	185.4	..	..	..	..	..	..	..	1,717.5
3	Bihar .. .. .	3,442.4	..	..	..	..	824.5	..	..	27,377.1
4	Gujarat .. .. .	1,057.0	..	1.1	972.2	0.2	..	..	..	17,839.1
5	Jammu & Kashmir*	186.0	..	..	211.0	56.0	..	..	..	3,100.0
6	Kerala .. .. .	36.2	..	..	1,766.8	544.8	..	..	..	20,455.6
7	Madhya Pradesh*	1,815.3	..	..	404.8	..	1,412.3	..	..	11,083.2
8	Madras .. .. .	2,040.2	39.0	..	2,607.8	3,961.1	..	..	930.0	98,061.8
9	Maharashtra .. ..	1,963.0	..	..	1,602.0	1,536.1	..	523.0	..	35,598.7
10	Mysore .. .. .	715.0	..	..	1,915.1	1,920.0	..	..	..	38,537.3
11	Orissa* .. .. .	1,024.2	..	..	256.4	..	1,042.0	..	..	5,449.5
12	Punjab .. .. .	2,618.9	..	..	473.8	..	1,227.8	657.5	..	30,376.6
13	Rajasthan** .. ..	1,881.3	63.2	..	271.4	..	586.2	..	..	9,124.9
14	Uttar Pradesh .. ..	1,737.7	..	2,700.7	1,450.6	..	933.7	..	..	43,009.9
15	West Bengal .. ..	1,459.5	428.5	..	196.3	..	79.4	..	..	15,251.3
16	<i>Union Territories—</i>									
	(a) Delhi* .. .. .	40.5	..	..	..	..	..	..	..	4,070.0
	(b) Andaman & Nicobar Islands	..	..	..	..	..	..	..	..	52.7
	(c) Goa, Daman & Diu .. ..	..	..	..	..	..	..	..	..	2,118.4
	(d) Himachal Pradesh .. ..	130.0	..	..	..	..	..	..	..	2,244.0
	(e) Laccadive, Minicoy and Amindivi Islands	..	..	..	..	..	..	..	..	29.9
	(f) Manipur .. .. .	..	..	..	..	..	..	..	..	291.0
	(g) Nagaland .. .. .	..	..	..	..	..	..	..	..	84.6
	(h) Pondicherry* .. .. .	..	..	..	..	..	..	..	..	1,187.4
	(i) Tripura .. .. .	..	..	..	..	..	..	..	..	200.7
17	Damodar Valley Corporation	305.0	..	..	..	..	2,795.0	..	..	3,100.0
	<b>Total ..</b>	<b>24,299.3</b>	<b>530.7</b>	<b>2,701.8</b>	<b>15,107.7</b>	<b>8,018.2</b>	<b>10,524.0</b>	<b>1,180.5</b>	<b>930.0</b>	<b>413,138.6</b>

\* 1962-63 figures repeated.

\*\* Excludes Churu Division.

O.H. = Over-head.

U.G. = Underground.

TABLE 42—IMPORTANT TRANSMISSION LINES COMMISSIONED DURING THE YEAR 1963-64

<i>BIHAR</i>		
2.8	Kilometres of 33 kV	Aurangabad Electric Supply Division
0.8	Kilometre of 33 kV	Arrah Electric Supply Division
71.6	Kilometres of 33 kV	Dumka Electric Supply Division
47.4	Kilometres of 33 kV	Dehri-on-Sone Electric Supply Division
64.0	Kilometres of 33 kV	Muzzaffarpur Electric Supply Division
5.6	Kilometres of 33 kV	Ranchi Electric Supply Division
<i>GUJARAT</i>		
19.3	Kilometres of 33 kV	} Gujarat State Electricity Board
72.0	Kilometres of 66 kV	
11.0	Kilometres of 66 kV	The Ahmedabad Electric Supply Co. Ltd.
<i>KERALA</i>		
0.8	Kilometre of 110 kV	} Kerala State Electricity Board
291.8	Kilometres of 66 kV	
<i>MADRAS</i>		
39.6	Kilometres of 33 kV	} Mettur Electricity System
17.7	Kilometres of 66 kV	
46.6	Kilometres of 110 kV	
20.9	Kilometres of 230 kV	
16.2	Kilometres of 33 kV	} Madras Electricity System
5.1	Kilometres of 110 kV	
1.2	Kilometres of 33 kV	} Madurai Electricity System
29.0	Kilometres of 230 kV	
12.8	Kilometres of 66 kV	} Pykara Electricity System
25.7	Kilometres of 110 kV	
160.1	Kilometres of 230 kV	
12.8	Kilometres of 33 kV	} Trichy Electricity System
162.7	Kilometres of 110 kV	
180.8	Kilometres of 230 kV	
0.6	Kilometres of 33 kV	} Vellore Electricity System
45.1	Kilometres of 66 kV	
70.6	Kilometres of 110 kV	
<i>MAHARASHTRA</i>		
724.1	Kilometres of 33 kV	} Maharashtra State Electricity Board
295.0	Kilometres of 66 kV	
457.0	Kilometres of 230 kV	

TABLE 42—*contd.*

<i>MYSORE</i>		
16·0	Kilometres of 33 kV	} Mysore Electricity Board
35·0	Kilometres of 66 kV	
196·0	Kilometres of 110 kV	
<i>PUNJAB</i>		
91·9	Kilometres of 33 kV	} Punjab State Electricity Board
16·1	Kilometres of 66 kV	
<i>RAJASTHAN</i>		
27·2	Kilometres of 33 kV	Bikaner Electricity Division
51·5	Kilometres of 33 kV	Ratangarh Electricity Division
52·0	Kilometres of 33 kV	Shri Ganganagar Electricity Division
204·4	Kilometres of 33 kV	} Kotah Electricity Circle
128·6	Kilometres of 132 kV	
<i>UTTAR PRADESH</i>		
32·5	Kilometres of 33 kV	Azamgarh Electric Division
27·2	Kilometres of 37·5 kV	Bulandshahr Electric Division
27·5	Kilometres of 44/37·5 kV	Bareilly Electric Division
20·2	Kilometres of 33 kV	Faizabad Electric Division
44·8	Kilometres of 37·5 kV	Kanpur Hydrel Division
42·1	Kilometres of 33 kV	Varanasi Electric Division
<i>WEST BENGAL</i>		
57·9	Kilometres of 132 kV	Krishnagar Electricity Division
3·6	Kilometres of 33 kV	} Calcutta Electric Supply Corporation Ltd.
8·7	Kilometres of 132 kV	



TABLE 43—INSTALLED TRANSFORMER CAPACITY AS ON 31-3-1964

Sl. No.	Name of State/Union Territory/Power Corporation	Step-up transformers		Step-down transformers		Distribution transformers		Total	
		No.	Aggregate capacity (kVA)	No.	Aggregate capacity (kVA)	No.	Aggregate capacity (kVA)	No.	Aggregate capacity (kVA)
1	Andhra Pradesh .. .. .	80*	289,693	266	449,750*	7,039	517,248	7,385	1,256,691
2	Assam .. .. .	38	12,825	15	11,634	161	18,618	214	43,077
3	Bihar .. .. .	53	49,025	185	350,769	4,933	255,897	5,171	655,691
4	Gujarat .. .. .	97	386,425	153	345,700	3,919	303,007	4,169	1,035,132
5	Jammu & Kashmir* .. .. .	14	20,925	9	17,750	266	29,765	289	68,440
6	Kerala .. .. .	23	283,370	74	397,655	3,498	228,560	3,595	909,585
7	Madhya Pradesh* .. .. .	53	160,085	140	413,895	1,314	167,987	1,507	741,967
8	Madras .. .. .	51	868,430	491	2,427,180	15,580	1,164,433	16,122	4,460,043
9	Maharashtra .. .. .	113	1,050,875	279	1,987,760	5,353	735,490	5,745	3,774,125
10	Mysore .. .. .	60*	250,420	214	473,170	12,573	355,074	12,847	1,078,664
11	Orissa* .. .. .	13	306,280	57	312,850	464	65,110	534	684,240
12	Punjab .. .. .	36	871,928	201	1,241,228	8,222	532,367	8,459	2,645,523
13	Rajasthan .. .. .	51	30,800	48	65,604	803	78,015	902	174,419
14	Uttar Pradesh** .. .. .	92	281,239	221	398,205	8,811	447,487	9,124	1,106,931
15	West Bengal .. .. .	90	147,883	213	951,450	1,496	220,654	1,799	1,319,987
16	Union Territories—								
	(a) Delhi* .. .. .	..	..	46	175,230	533	208,565	579	383,795
	(b) Andaman and Nicobar Islands .. .. .	2	500	10	750	..	..	12	1,250
	(c) Goa, Daman and Diu .. .. .	3	305	1	105	29	2,095	33	2,505
	(d) Himachal Pradesh .. .. .	5	1,800	5	1,550	295	11,270	305	14,620
	(e) Laccadive, Minicoy and Amindivi Islands .. .. .	..	..	..	..	..	..	..	..
	(f) Manipur .. .. .	4	1,150	..	..	22	1,330	26	2,480
	(g) Nagaland .. .. .	1	250	..	..	4	150	5	400
	(h) Pondicherry* .. .. .	..	..	3	700	179	17,150	182	17,850
	(i) Tripura .. .. .	3	1,100	..	..	21	725	24	1,825
17	Damodar Valley Corporation .. .. .	12	630,000	61	1,086,000	..	..	73	1,716,000
	Total .. .. .	894	5,625,308	2,692	11,108,935	75,515	5,360,997	79,101	22,095,240

\* 1962-63 figures repeated.

\*\*Data received from the Boards are incomplete. Aggregate capacity in 1962-63 was 1,653,958 kVA.

TABLE 44—IMPORTANT POWER TRANSFORMERS COMMISSIONED DURING 1963-64

State/Union Territory/ Power Corporation	Voltage ratio	Unit capacity (kVA)	No.	Aggregate capacity (kVA)	Place of installation	Remarks	
Bihar .. ..	33/11 kV	1,000	1	1,000	Dhanbad Electric Supply Division.		
	33/11 kV	2,000	2	4,000	Muzzafarpur Electric Supply Division.		
	33/11 kV	1,000	1	1,000	Patna Electric Supply Division.		
Gujarat .. ..	11/66 kV	7,500	2	15,000	} Gujarat Electricity Board. The Surat Electricity Com- pany Ltd.		
	66/11 kV	15,000	1	15,000			
	66/11 kV	2,000	1	2,000			
	66/22 kV	3,000	1	3,000			
	33/11 kV	1,000	2	2,000			
	22/3.3 kV	5,000	1	5,000			
Kerala .. ..	11/110 kV	..	2	36,000	} Kerala State Electricity Board.		
	110/66 kV	..	6	181,207			
Madhya Pradesh .. ..	3.3/11 kV	1,000	1	1,000	Jubbulpore Electric Supply Co. Ltd., Jabalpur-1.		
Madras .. ..	11/110 kV	24,000	1	24,000	Kundah Power House I. Gedda Power House.		
	11/110 kV	42,000	1	42,000			
	230/110 kV	50,000	2	100,000	} Madurai Electricity System.		
	66/33/22 kV	1,750	1	1,750			
	66/33/22 kV	1,000	1	1,000			
	110/66 kV	25,000	1	25,000	Tirunelveli Electricity System.		
	110/66 kV	5,000	1	5,000	} Vellore Electricity System.		
	66/11 kV	5,000	1	5,000			
	66/33 kV	3,000	1	3,000	} Mettur Electricity System.		
	66/33 kV	5,000	2	10,000			
	110/22 kV	5,000	1	5,000			
	33/22 kV	1,500	1	1,500			
	33/11 kV	5,000	1	5,000			
	110/33 kV	..	2	8,000	} Trichy Electricity System.		
	66/33 kV	..	3	8,000			
66/22 kV	..	2	4,750				
66/11 kV	..	5	7,000				
33/11 kV	..	2	3,500				
22/11 kV	..	2	4,000				
Maharashtra .. ..	11/138.6 kV	..	12	900,000	} Maharashtra State Electricity Board.		
	220/110/11 kV	..	3	375,000			
	66/33 kV	..	3	8,000			
	66/11 kV	..	4	17,000			
	33/11 kV	..	24	24,200			
	11/3.3 kV	..	2	6,000			
	110/33/11 kV	..	2	15,000			
	110/11 kV	10,000	1	10,000			
	6,500/415-240V	1,000	2	2,000		Bombay Electricity Supply and Transport Undertak- ing	
	100/23.1 kV	30,000	1	30,000		Tata Hydro Electric Power Supply Co. Ltd.	

TABLE 44—contd.

State/Union Territory/ Power Corporation	Voltage ratio	Unit capacity (kVA)	No.	Aggregate capacity (kVA)	Place of installation	Remarks
Mysore .. ..	110/13.2/11 kV	..	4	22,000	} Mysore State Electricity Board.	
	110/33/11 kV	15,000	1	5,000		
	110/66/11 kV	15,000	1	15,000		
	66/33.2/11 kV	..	6	17,000		
Punjab .. ..	66/33 kV	..	2	12,000	} Punjab State Electricity Board.	
	11/33 kV	..	2	8,000		
	66/11 kV	14,400	1	14,400		
	33/11 kV	..	11	32,500		
	33/0.4 kV	1,000	1	1,000		
Rajasthan .. ..	11/0.4 kV	1,450	1	1,450	Bikaner Electricity Division.	
	132/11 kV	10,000	1	10,000	} Kotah Electricity Circle.	
	33/11 kV	7,500	1	7,500		
	33/11 kV	1,000	1	1,000		
	11/33 kV	2,500	1	2,500		
Uttar Pradesh .. ..	6.6/33 kV	3,000	2	6,000	Gorakhpur Hydrel Division.	
	6.6/3.3 kV	1,300	1	1,300	Kanpur Electricity Supply Administration.	
	66/6.6 kV	5,000	1	5,000	} Hydro Electricity Division.	
	66/11 kV	3,000	1	3,000		
	37.5/11 kV	1,500	1	1,500		
	37/11 kV	3,000	1	3,000	Allgarh Electricity Division.	
	35/11 kV	1,500	1	1,500	Azamgarh Electricity Division.	
	37.5/11 kV	..	2	6,000	Hydrel Yamuna Plant Division Dehradun.	
	37.5/11 kV	1,500	1	1,500	} Bareilly Hydro Electric Division.	
	66/37.5 kV	1,000	2	2,000		
	37.5/11 kV	1,500	2	3,000	} Hydro Electric Division Bul- landshahar.	
	11/0.4 kV	1,000	1	1,000		
	33/11 kV	1,500	1	1,500	Hydro Electricity Division Varanasi.	
	11/3.3 kV	..	} 5	8,000	Harduaganj Steam Power Station P.O. Kashimpur.	
11/0.4 kV	..					
3.3/0.4 kV	..					
West Bengal .. ..	66/11 kV	1,000	1	1,000	Krishnagar Electrical Division.	
	66/11 kV	..	2	15,000		
	33/6 kV	1,000	1	1,000	Howrah Electrical Division.	
	132/33 kV	55,000	3	165,000	Calcutta Electric Supply Cor- poration Ltd.	
	11/.42 kV	..	2	2,000	Durgapur Projects Ltd.	
Damodar Valley Corpo- ration .. ..	132/33 kV	20,000	1	20,000	Damodar Valley Corporation.	
	132/11 kV	20,000	1	20,000		

TABLE 45—CLASSIFICATION OF CONSUMERS AS ON 31-3-1964

Sl. No.	Name of State/Union Territory	Domestic light and small power		Commercial light and small power		Industrial power		Public lighting	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	Andhra Pradesh ..	256,569	..	95,355	..	10,033	..	2,921	..
2	Assam .. ..	29,403	2,550	4,993	1,061	590	43	48	2
3	Bihar .. ..	168,073	1,752	52,368	92	10,551	64	7,609	2
4	Gujarat .. ..	480,963	4,134	75,813	1,806	30,461	161	1,245	9
5	Jammu & Kashmir* ..	44,578	..	5,783	..	639	..	4	..
6	Kerala .. ..	211,388	..	47,462	..	8,801	..	880	..
7	Madhya Pradesh* ..	139,364	4,222	32,500	233	8,062	56	454	33
8	Madras .. ..	725,154	..	130,412	..	34,938	..	17,240	..
9	Maharashtra .. ..	819,348	..	212,771	35	31,384	67	1,745	..
10	Mysore .. ..	515,738	1,539	34,168	7	16,609	26	**3,530	6
11	Orissa* .. ..	29,451	119	7,460	1	859	..	145	2
12	Punjab .. ..	563,145	9,034	163,785	5,682	24,925	358	386	2
13	Rajasthan* .. ..	103,500	2,204	30,462	1,052	5,231	82	49	6
14	Uttar Pradesh .. ..	271,379	49,078	70,597	21,970	21,759	1,328	433	4
15	West Bengal .. ..	211,326	193,699	80,725	63,781	14,894	12,197	237	8
16	Union Territories—								
	(a) Delhi* .. ..	200,101	37,700	37,094	12,130	6,555	210	271	..
	(b) Andaman and Nicobar Islands.	2,097	..	52	..	26	..	1	..
	(c) Goa, Daman and Diu ..	4,507	2,000	1,906	325	196	19	5	1
	(d) Himachal Pradesh. ..	8,961	..	3,213	..	204	..	12	..
	(e) Laccadive, Minicoy and Amindivi Islands.	115	..	24	..	1	..	2	..
	(f) Manipur .. ..	2,919	..	3	..	90	..	2	..
	(g) Nagaland .. ..	1,329	..	273	..	5	..	7	..
	(h) Pondicherry* .. ..	10,189	..	912	..	285	..	10	..
	(i) Tripura .. ..	3,154	..	103	..	82	..	5	..
	Total .. ..	4,802,751	308,031	1,088,234	108,175	227,180	14,611	37,241	75

\*1962-63 figures repeated.

- NOTE—1. Madras State Electricity Board.—Miscellaneous consumers numbering 801 with connected load of 6,948 kW not included.  
 2. Andhra Pradesh—The decrease in number of consumers and connected load under domestic category is due to reclassification of the services.  
 3. Bihar & Madras—Break-up of A.C. and D.C. consumers and connected load in respect of the State are not available, as such, these are covered under A.C. only.  
 4. Himachal Pradesh—Data received is incomplete.

\*\*Estimated on number of villages electrified.

TABLE 45—contd.

Sl. No.	Name of State/Union Territory	Railways/Tramways		Irrigation and dewatering		Public water works and sewage pumping		Total		Grand Total
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
1	Andhra Pradesh .. ..	..	..	36,306	..	217	..	401,701	..	401,701
2	Assam .. ..	..	..	1	..	45	1	35,080	3,657	38,737
3	Bihar .. ..	1	..	5,238	1	308	7	244,148	1,918	246,066
4	Gujarat .. ..	..	..	10,129	3	822	12	599,433	6,125	605,558
5	Jammu & Kashmir* .. ..	..	..	48	..	..	..	51,052	..	51,052
6	Kerala .. ..	..	..	3,744	..	204	..	272,479	..	272,479
7	Madhya Pradesh* .. ..	..	..	2,408	5	198	13	182,986	4,562	187,548
8	Madras .. ..	163	..	192,346	..	762	..	1,101,015	..	1,101,015
9	Maharashtra .. ..	..	2	17,801	..	353	..	1,083,402	104	1,083,506
10	Mysore .. ..	..	..	27,920	..	502	..	598,467	1,578	600,045
11	Orissa* .. ..	..	..	13	..	..	..	37,928	122	38,050
12	Punjab .. ..	..	..	22,844	..	88	16	775,173	15,092	790,265
13	Rajasthan* .. ..	..	..	1,457	14	35	4	140,734	3,362	144,096
14	Uttar Pradesh .. ..	..	..	12,421	3	251	4	376,840	72,387	449,227
15	West Bengal .. ..	4	..	98	..	127	1	307,411	269,686	577,097
16	Union Territories—									
	(a) Delhi* .. ..	..	1	42	..	42	..	244,105	50,041	294,146
	(b) Andaman and Nicobar Islands .. ..	..	..	..	..	5	..	2,181	..	2,181
	(c) Goa, Daman & Diu .. ..	..	..	..	..	2	..	6,616	2,345	8,961
	(d) Himachal Pradesh .. ..	..	..	3	..	1	..	12,394	..	12,394
	(e) Laccadive, Minicoy and Amindivi Islands .. ..	..	..	..	..	1	..	143	..	143
	(f) Manipur .. ..	..	..	..	..	4	..	3,018	..	3,018
	(g) Nagaland .. ..	..	..	..	..	4	..	1,618	..	1,618
	(h) Pondicherry* .. ..	..	..	2,062	..	45	..	13,503	..	13,503
	(i) Tripura .. ..	..	..	..	..	..	..	3,344	..	3,344
	Total .. ..	168	3	335,181	26	4,016	58	6,494,771	430,979	6,925,750

\*1962-63 figures repeated.

TABLE 46—CLASSIFICATION OF CONNECTED LOAD AS ON 31-3-1964

Sl. No.	Name of State/Union Territory	Domestic light and small power		Commercial light and small power		Industrial power		Public lighting	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	Andhra Pradesh .. ..	137,331	..	95,104	..	206,043	..	7,714	..
2	Assam .. .. .	28,777	1,609	4,810	966	17,499	414	1,010	54
3	Bihar .. .. .	100,276	742	63,890	182	405,315	347	4,768	12
4	Gujarat .. .. .	262,263	1,544	55,869	560	427,709	601	6,200	75
5	Jammu & Kashmir*	3,851	..	1,183	..	3,812	..	117	..
6	Kerala .. .. .	121,629	..	23,244	..	219,730	..	3,974	..
7	Madhya Pradesh*	50,827	1,804	29,236	87	124,675	339	2,342	101
8	Madras .. .. .	383,820	..	109,340	..	747,868	..	17,813	..
9	Maharashtra .. ..	534,733	..	188,163	944	957,916	202	10,034	..
10	Mysore .. .. .	160,500	182	24,004	4	248,531	95	9,996	20
11	Orissa* .. .. .	18,300	44	5,387	7	138,355	..	629	12
12	Punjab .. .. .	189,354	6,790	89,231	4,769	321,873	2,057	3,335	210
13	Rajasthan* .. ..	40,698	1,195	14,541	425	34,424	394	2,194	99
14	Uttar Pradesh .. ..	159,388	30,003	63,176	16,205	341,120	9,639	4,338	401
15	West Bengal .. ..	200,026	221,440	87,650	78,394	805,497	57,711	4,914	3,310
16	<i>Union Territories—</i>								
	(a) Delhi* .. .. .	98,627	20,590	44,963	12,770	61,981	3,200	2,152	..
	(b) Andaman and Nicobar Islands.	889	..	84	..	828	..	17	..
	(c) Goa, Daman and Diu	3,066	951	1,066	175	1,170	139	129	25
	(d) Himachal Pradesh ..	3,279	..	2,032	..	1,689	..	101	..
	(e) Laccadive, Minicoy and Amindivi Islands.	67	..	42	..	11	..	5	..
	(f) Manipur .. .. .	1,812	..	14	..	552	..	5	..
	(g) Nagaland .. .. .	806	..	196	..	53	..	33	..
	(h) Pondicherry* .. ..	6,607	..	632	..	11,186	..	387	..
	(i) Tripura .. .. .	1,283	..	70	..	1,002	..	37	..
	<b>Total .. .. .</b>	<b>2,508,209</b>	<b>286,894</b>	<b>903,927</b>	<b>115,438</b>	<b>5,078,839</b>	<b>75,138</b>	<b>82,264</b>	<b>4,319</b>

TABLE 46—contd.

Sl. No.	Name of State/Union Territory	Railways/Tramways		Irrigation and dewatering		Public water works and sewage pumping		Total kW		Grand Total	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.		
1	Andhra Pradesh .. ..	..	..	193,416	..	5,711	..	645,319	..	645,319	
2	Assam .. ..	..	..	94	..	1,178	24	53,368	3,067	56,435	
3	Bihar .. ..	34,000	..	22,231	4	6,271	110	636,751	1,347	638,098	
4	Gujarat .. ..	..	..	50,797	21	19,948	48	822,786	2,849	825,635	
5	Jammu & Kashmir*	..	..	343	..	..	..	9,306	..	9,306	
6	Kerala .. ..	..	..	33,778	..	3,795	..	406,150	..	406,150	
7	Madhya Pradesh*..	..	..	5,573	3	5,166	7	217,819	2,341	220,160	
8	Madras .. ..	63,650	..	686,302	..	8,339	..	2,017,132	..	2,017,132	
9	Maharashtra .. ..	..	3,595	54,242	..	16,140	..	1,761,228	4,741	1,765,969	
10	Mysore .. ..	..	..	102,073	..	16,337	..	561,441	301	561,742	
11	Orissa* .. ..	..	..	186	..	..	..	162,857	63	162,920	
12	Punjab .. ..	..	..	114,016	..	2,922	252	720,751	14,078	734,829	
13	Rajasthan* .. ..	..	..	4,533	56	4,107	84	100,497	2,253	102,750	
14	Uttar Pradesh .. ..	..	..	133,665	14	12,708	209	714,395	56,471	770,866	
15	West Bengal .. ..	82,887	..	1,343	..	23,749	10	1,206,066	360,865	1,566,931	
16	<i>Union Territories—</i>										
	(a) Delhi* .. ..	..	310	2,311	..	15,229	..	225,263	36,870	262,133	
	(b) Andaman and Nicobar Islands.	..	..	..	..	98	..	1,916	..	1,916	
	(c) Goa, Daman and Diu	..	..	..	..	21	..	5,452	1,290	6,742	
	(d) Himachal Pradesh ..	..	..	54	..	4	..	7,159	..	7,159	
	(e) Laccadive, Minicoy and Amindivi Islands.	..	..	..	..	2	..	127	..	127	
	(f) Manipur .. ..	..	..	..	..	25	..	2,408	..	2,408	
	(g) Nagaland .. ..	..	..	..	..	89	..	1,177	..	1,177	
	(h) Pondicherry* .. ..	..	..	10,790	..	336	..	29,938	..	29,938	
	(i) Tripura .. ..	..	..	..	..	..	..	2,392	..	2,392	
	Total .. ..	180,537	3,905	1,415,747	98	142,175	744	10,311,098	486,536	10,798,234	

\*1962-63 figures repeated.

NOTE—(1) Madras State Electricity Board—Miscellaneous consumers numbering 801 with connected load of 6,948 kW not included.

(2) Andhra Pradesh —The decrease in number of consumers and connected load under domestic category is due to reclassification of some of the services.

(3) Bihar &amp; Madras —Break up of A.C. and D.C. consumers and connected load in respect of the State Electricity Boards are not available, as such these are covered under A.C. only.

(4) Himachal Pradesh —Data received is incomplete.

TABLE 47—STATEWISE DISTRIBUTION OF TOWNS AND VILLAGES ELECTRIFIED AS ON 31-3-1964

Sl. No.	Name of State/Union Territory	Population grouping according to 1951 census								
		Upto 5,000	5,001 to 10,000	Total upto 10,000	10,001 to 20,000	20,001 to 50,000	50,001 to 100,000	Over 100,000	Total over 10,000	Total
1	Andhra Pradesh .. ..	..	..	3,706*	..	..	..	..	137*	3,843
2	Assam .. ..	50	9	59	7	6	1	..	14	73
3	Bihar .. ..	..	..	3,266*	..	..	..	..	71*	3,337
4	Gujarat .. ..	1,083	124	1,207	42	35	4	6	87	1,294
5	Jammu & Kashmir .. ..	..	..	438*	..	..	..	..	7*	445
6	Kerala .. ..	..	..	1,669*	..	..	..	..	157*	1,826
7	Madhya Pradesh .. ..	..	..	760*	..	..	..	..	70*	830
8	Madras .. ..	..	..	8,197*	139	58	12	7	216	8,413
9	Maharashtra .. ..	2,117	170	2,287	50	25	7	3	85	2,372
10	Mysore .. ..	3,266	120	3,386	53	21	8	5	87	3,473
11	Orissa† .. ..	..	..	362*	..	..	..	..	34*	396
12	Punjab .. ..	4,850	88	4,938	61	..	4	5	70	5,008
13	Rajasthan† .. ..	317	68	385	..	..	..	..	51*	436
14	Uttar Pradesh .. ..	..	..	6,950*	..	..	..	..	143†	7,093
15	West Bengal .. ..	756	48	804	46	29	14	7	96	900
16	<i>Union Territories—</i>									
	(a) Andaman & Nicobar Islands.	17	..	17	..	..	..	..	..	17
	(b) Delhi .. ..	182	5	187	2	2	2	2	8	195
	(c) Goa, Daman & Diu .. ..	11	3	14	5	..	..	..	5	19
	(d) Himachal Pradesh .. ..	..	..	908	..	..	..	..	..	908
	(e) Laccadive, Minicoy and Amindivi Islands.	2	..	2	..	..	..	..	..	2
	(f) Manipur .. ..	54	1	55	..	..	..	..	..	55
	(g) Nagaland .. ..	5	2	7	..	..	..	..	..	7
	(h) NEFA .. ..	7	..	7	..	..	..	..	..	7
	(i) Pondicherry .. ..	166	2	168	..	1	..	..	1	169
	(j) Tripura† .. ..	19	5	24	1	..	1	..	2	26
	<b>Total</b> .. ..	..	..	39,803*	..	..	..	..	1,341*	41,144

\*Break up not available.

†As per 1961 census.

‡Figures as on 31-3-1963 repeated.



TABLE 48—ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES DURING 1963-64

Sl. No.	Industry	Total number of factories covered	Installed generating plant capacity as on 31-3-1964 (kW)	Aggregate Maximum Demand (kW)		Energy (Million kWh)				Annual load factor
				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	Aluminium (Primary) ..	4	22,832	11,410	79,602	87·010	644·070	730·750	..	91·66
2	Aluminium (Secondary) ..	9	250	100	8,843	0·225	44·578	44·923	..	57·34
3	Cement (Primary) .. ..	26	125,514	74,245	104,442	431·972	603·920	1,009·044	3,955	64·46
4	Cement (Secondary) ..	23	460	172	7,463	0·002	23·412	23·174	..	34·60
5	Chemicals .. ..	33	22,985	19,733	62,795	116·622	354·884	470·372	1·164	65·11
6	Collieries .. ..	148	269,144	250,672	100,307	1,184·479	309·647	613·157	879·728	19·94
7	Copper (Primary) .. ..	1	8,975	2,112	6,750	8·403	30·611	39·014	..	50·26
8	Copper (Secondary) .. ..	1	..	..	1,247	..	4·452	4·452	..	40·76
9	Cotton Textiles .. ..	324	126,472	60,068	459,634	269·261	2,243·164	2,495·075	11·037	54·81
10	Ferro-Manganese .. ..	6	32	..	61,815	..	338·675	338·334	..	62·48
11	Fertilizers .. ..	5	82,302	66,460	199,597	468·795	1,535·388	1,946·234	37·152	83·51
12	Gold .. ..	1	6,700	60	18,480	0·106	98·047	98·153	..	60·43
13	Iron & Steel (Primary) ..	7	299,698	222,880	301,540	1,249·237	1,323·036	2,126·950	224·743	46·30
14	Iron & Steel (Secondary) ..	39	2,455	608	91,584	1·670	364·944	365·615	1·000	45·27
15	Jute .. ..	74	28,249	11,292	115,061	54·615	631·691	684·566	1·739	61·85
16	Oil & Petroleum .. ..	5	9,591	4,630	10,211	23·413	70·948	93·859	0·247	72·20
17	Paper .. ..	23	75,284	53,082	51,434	336·781	267·600	570·916	33·466	62·36
18	Silk .. ..	19	1,480	1,500	42,716	9·701	173·700	183·401	..	47·35
19	Soap .. ..	10	532	50	4,524	0·124	26·968	27·019	..	67·43
20	Sugar .. ..	95	99,311	75,753	35,873	146·124	22·037	166·136	0·819	16·99
21	Tanneries .. ..	7	737	362	4,721	0·865	19·648	20·513	..	48·07
22	Wool .. ..	10	3,574	1,821	9,843	4·796	37·304	42·067	0·036	41·17
23	Miscellaneous .. ..	2	380	..	2,420	..	8·049	4·381	..	20·67
	Total .. ..	872	1,186,957	857,010	1,780,902	4,394·201	9,176·773	12,098·105	1,195·086	52·35

TABLE 49—STATEWISE ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES DURING 1963-64

Sl. No.	Name of State/Union Territory	Total number of factories covered	Installed generating capacity as on 31-3-1964 (kW)	Aggregate Maximum Demand (kW)		Energy (Million kWh)			
				Generated in own power station	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 ..	21	48,255	28,546	59,809	166·290	283·376	415·065	34·133
2	Assam .. ..	2	9,516	4,630	..	23·413	..	22·911	0·247
3	Bihar .. ..	103	290,427	188,843	216,556	1,119·165	971·630	1,762·302	240·088
4	Gujarat .. ..	108	35,643	20,360	141,298	106·838	730·831	836·518	0·281
5	Jammu & Kashmir ..	1	..	..	25	..	0·030	0·030	..
6	Kerala .. ..	14	2,951	2,155	62,346	4·486	369·083	370·801	..
7	Madhya Pradesh ..	42	72,037	54,235	90,982	265·606	415·683	615·230	26·122
8	Madras .. ..	76	228,859	227,672	81,379	1,041·339	456·953	622·407	875·885
9	Maharashtra .. ..	133	63,485	39,610	271,730	155·885	1,258·479	1,411·600	1·175
10	Mysore .. ..	30	34,530	20,602	126,832	108·262	616·575	723·463	0·924
11	Orissa .. ..	10	94,914	90,115	114,150	508·057	696·873	1,103·274	2·713
12	Punjab .. ..	16	19,957	16,111	197,577	72·135	1,483·102	1,574·101	..
13	Rajasthan .. ..	17	40,631	22,204	6,220	134·734	33·195	152·613	0·021
14	Uttar Pradesh .. ..	79	67,417	36,557	81,513	88·049	292·376	376·774	0·299
15	West Bengal .. ..	212	148,281	89,367	320,837	504·244	1,533·018	2,003·648	13·098
16	Union Territories—								
	(a) Delhi .. ..	7	29,459	15,668	7,773	95·681	24·509	117·190	..
	(b) The Rest .. ..	1	595	35	1,875	0·017	10·101	10·118	..
	Total .. ..	872	1,186,957	857,010	1,780,902	4,394·201	9,176·773	12,098·105	1,195·086

TABLE 50—DISTRIBUTION OF GENERATING PLANT CAPACITY IN INDUSTRIAL ESTABLISHMENTS  
ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY

Sl. No.	Range of installed capacity (kW)	No. of industrial establishments	Aggregate installed capacity of the group (kW)	Percentage of total capacity	Energy generated of the group (Million kWh)	Percentage of total energy generated
1	Upto 1,000 .. ..	184	72,112	6.08	102.605	2.34
2	1001 to 5,000 .. ..	79	191,389	16.12	403.869	9.19
3	5,001 to 10,000 .. ..	17	140,663	11.85	410.936	9.35
4	10,001 to 25,000 .. ..	14	236,749	19.95	938.178	21.35
5	Over 25,000 .. ..	5	546,044	46.00	2,538.613	57.77
	Total ..	299	1,186,957	100.00	4,304.201	100.00

TABLE 51—INSTALLED GENERATING PLANT CAPACITY OF SELECTED INDUSTRIES

Sl. No.	Name of State/ Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Copper (Primary)	Copper (Secondary)	Cotton Textiles	Ferromanganese	Fertilizer	Gold
1	Andhra Pradesh ..	..	..	..	310	..	20,900	..	..	2,950	..	..	..
2	Assam ..	..	..	..	..	..	..	..	..	..	..	..	..
3	Bihar ..	4,382	..	37,575	..	..	22,650	8,975	..	..	..	80,400	..
4	Gujarat ..	..	..	16,524	..	1,568	..	..	..	17,551	..	..	..
5	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala ..	..	200	..	..	..	..	..	..	641	..	1,200	..
7	Madhya Pradesh ..	..	..	17,760	..	..	14,094	..	..	14,609	..	..	..
8	Madras ..	..	..	2,095	..	..	206,000	..	..	14,361	..	..	..
9	Maharashtra ..	..	..	..	150	14,711	..	..	..	22,389	..	..	..
10	Mysore ..	..	..	10,000	..	..	..	..	..	7,808	52	..	6,700
11	Orissa ..	..	50	370	..	..	3,000	..	..	1,800	..	..	..
12	Punjab ..	..	..	2,700	..	..	..	..	..	1,915	..	542	..
13	Rajasthan ..	..	..	31,290	..	..	..	..	..	8,117	..	160	..
14	Uttar Pradesh ..	..	..	7,200	..	6,092	..	..	..	4,322	..	..	..
15	West Bengal ..	18,450	..	..	..	554	2,500	..	..	215	..	..	..
16	Union Territories—												
	(a) Delhi ..	..	..	..	..	60	..	..	..	29,399	..	..	..
	(b) The Rest ..	..	..	..	..	..	..	..	..	595	..	..	..
	Total ..	22,832	250	125,514	460	22,985	269,144	8,975	..	126,472	32	82,302	6,700

TABLE 51—contd.

Sl. No.	Name of State/ Union Territory	Iron and Steel (Prim- ary)	Iron and Steel (Sec- ondary) plus Engg.	Jute	Oil and Petroleum	Paper	Silk	Soap	Sugar	Tanneries	Wool	Miscella- neous	Total
1	Andhra Pradesh ..	..	..	..	75	18,430	..	..	5,590	..	..	..	48,255
2	Assam ..	..	..	..	9,516	..	..	..	..	..	..	..	9,516
3	Bihar ..	120,500	..	4,079	..	..	..	..	11,866	..	..	..	190,427
4	Gujarat ..	..	..	..	..	..	..	..	..	..	..	..	35,643
5	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala ..	..	..	..	..	544	..	366	..	..	..	..	2,951
7	Madhya Pradesh ..	23,994	..	..	..	580	..	..	1,000	..	..	..	72,037
8	Madras ..	..	..	..	..	..	..	..	6,116	287	..	..	228,859
9	Maharashtra ..	..	800	..	..	..	1,480	166	23,185	..	224	380	63,485
10	Mysore ..	810	1,060	..	..	5,066	..	..	3,120	..	..	..	34,530
11	Orissa ..	79,144	..	..	..	10,750	..	..	..	..	..	..	94,914
12	Punjab ..	..	..	..	..	9,750	..	..	4,150	..	900	..	19,957
13	Rajasthan ..	..	180	..	..	..	..	..	884	..	..	..	40,631
14	Uttar Pradesh ..	..	415	780	..	3,330	..	..	42,378	450	2,450	..	67,417
15	West Bengal ..	75,250	..	23,390	..	26,900	..	..	1,022	..	..	..	148,281
16	<i>Union Territories—</i>												
	(a) Delhi ..	..	..	..	..	..	..	..	..	..	..	..	29,459
	(b) The Rest ..	..	..	..	..	..	..	..	..	..	..	..	595
	<b>Total ..</b>	<b>299,698</b>	<b>2,455</b>	<b>28,249</b>	<b>9,591</b>	<b>75,284</b>	<b>1,480</b>	<b>532</b>	<b>99,311</b>	<b>737</b>	<b>2,574</b>	<b>380</b>	<b>1,186,957</b>

TABLE 52—ENERGY CONSUMED IN SELECTED INDUSTRIES

(Million kWh)

Serial No.	Name of State/ Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Copper (Primary)	Copper (Secondary)	Cotton textiles	Ferro- manganese	Fertilizer	Gold
1	Andhra Pradesh	..	..	49·518	..	..	55·251	..	..	17·819	124·915	..	..
2	Assam	..	..	..	..	..	..	..	..	..	..	..	..
3	Bihar	18·513	0·218	269·078	1·549	23·392	220·007	39·014	..	1·178	..	407·688	..
4	Gujarat	..	..	104·772	0·497	25·894	..	..	..	693·073	..	..	..
5	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala	124·238	4·365	7·620	..	48·824	..	..	..	19·384	..	155·421	..
7	Madhya Pradesh	..	..	67·033	5·442	..	40·101	..	..	128·725	..	..	..
8	Madras	..	0·049	135·425	..	58·449	136·655	..	..	276·636	..	..	..
9	Maharashtra	..	1·882	..	6·082	104·248	2·450	..	4·452	896·652	47·898	..	..
10	Mysore	..	..	69·554	0·015	0·877	..	..	..	56·135	34·645	22·260	98·153
11	Orissa	409·988	4·718	40·466	..	..	10·586	..	..	10·582	130·876	..	..
12	Punjab	..	..	81·743	..	..	..	..	..	34·138	..	1,360·543	..
13	Rajasthan	..	..	131·427	0·689	..	..	..	..	19·386	..	0·322	..
14	Uttar Pradesh	..	..	52·408	..	35·204	..	..	..	160·054	..	..	..
15	West Bengal	178·011	33·571	..	8·900	121·069	148·107	..	..	106·540	..	..	..
16	<i>Union Territories—</i>												
	(a) Delhi	..	0·120	..	..	52·415	..	..	..	64·655	..	..	..
	(b) The Rest	..	..	..	..	..	..	..	..	10·118	..	..	..
	Total	730·750	44·923	1,009·044	23·174	470·372	613·157	39·014	4·452	2,495·075	338·334	1,946·234	98·153

TABLE 52—contd.

Serial No.	Name of State/ Union Territory	Iron and Steel (Primary)	Iron and Steel (Secondary)	Jute	Oil and Petroleum	Paper	Silk	Soap	Sugar	Tanneries	Wool	Miscellaneous	Total
1	Andhra Pradesh	..	4·832	12·945	17·984	84·949	82·025	..	14·827	..	..	..	415·065
2	Assam ..	..	..	..	22·911	..	..	..	..	..	..	..	22·911
3	Bihar ..	593·287	159·378	12·906	..	..	..	..	16·099	..	..	..	1,762·302
4	Gujarat ..	..	..	..	..	5·208	3·780	..	..	..	3·344	..	836·518
5	Jammu & Kashmir	..	..	..	..	..	0·050	..	..	..	..	..	0·030
6	Kerala ..	..	..	..	..	7·768	..	..	..	..	..	3·181	370·801
7	Madhya Pradesh	318·977	..	..	..	55·675	..	..	1·277	..	..	..	615·230
8	Madras ..	..	4·173	..	..	..	..	..	10·255	0·765	..	..	622·407
9	Maharashtra ..	..	61·021	..	49·408	29·746	144·010	23·069	35·724	..	3·818	1·200	1,411·080
10	Mysore ..	324·505	32·642	..	..	57·937	0·618	0·319	4·674	0·180	20·949	..	723·463
11	Orissa ..	392·387	..	..	..	103·671	..	..	..	..	..	..	1,103·274
12	Punjab ..	..	1·903	..	..	60·438	1·648	..	5·554	..	8·134	..	1,554·101
13	Rajasthan ..	..	0·137	..	..	..	..	..	0·652	..	..	..	152·613
14	Uttar Pradesh ..	..	14·006	13·969	..	17·597	..	..	75·755	3·249	5·532	..	376·774
15	West Bengal ..	499·794	87·528	645·746	3·556	147·927	1·340	3·631	1·319	16·319	0·290	..	2,003·648
16	Union Territories—												
	(a) Delhi ..	..	..	..	..	..	..	..	..	..	..	..	117·190
	(b) The Rest ..	..	..	..	..	..	..	..	..	..	..	..	10·113
	Total ..	2,126·950	365·615	684·566	93·859	570·916	183·421	27·019	166·136	20·513	42·067	4·381	12,098·105

TABLE 53—INSTALLED CAPACITY AND GENERATION BY THE INDIAN RAILWAYS

Sl. No.	Name of Railway	Installed Plant Capacity (kW)				Generation (Million kWh)				Maximum Demand (kW)	Energy used by power station auxiliaries (Million kWh)	Fuel Consumed		
		Steam	Diesel	Hydro	Total	Steam	Diesel	Hydro	Total			Coal (Tonnes)	Furnace Oil (Kilo litres)	Light/High Speed Diesel Oil (Kilo litres)
1	Central Railway	141,650	3,900	..	145,550	316.232	5.975	..	322.207	85,703	31.000	394,690.5	3.367	3,598.9
2	Eastern Railway	10,450	104	..	10,554	19.252	0.136	..	19.388	3,859	0.002	30,468.4	..	61.4
3	Northern Railway	5,400	4,719	..	10,119	10.976	1.900	..	12.876	4,760	0.819	15,101.0	..	1,227.2
4	North-Eastern Railway	3,000	1,645	..	4,645	2.803	0.733	..	3.536	1,104	0.369	9,007.0	..	332.2
5	North East Frontier Railway	46	6,653	..	6,699	0.060	9.991	..	10.051	2,951	0.259	1,127.9	..	3,264.1
6	Southern Railway	1,850	2,470	..	4,320	1.017	1.245	..	2.262	1,899	0.465	1,989.2	..	422.6
7	South-Eastern Railway	7,520	212	..	7,732	19.861	0.218	..	20.079	3,972	3.442	26,564.0	..	47.7
8	Western Railway	7,800	4,408	..	12,208	13.354	8.647	..	22.001	5,833	1.273	19,909.6	..	2,463.9
	Total	177,716	24,111	..	201,827	383.555	28.845	..	412.400	110,081	37.629	498,857.6	3.367	11,418.0



TABLE 54—ELECTRICAL ACCIDENTS DURING 1963-64

Serial No.	Name of State/ 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 ..	1	10	..	..	25+4*	36	..	..	45+20*	33	3	2	74+24*	81
2	Assam .. ..	..	..	..	..	1	..	..	..	12	1	..	..	13	1
3	Bihar .. ..	..	3	..	..	11	18	..	..	8	26+1*	3	27	22	74+1*
4	Gujarat .. ..	1	2	..	..	6	13	..	..	15+3*	40	..	..	22+3*	55
5	Jammu & Kashmir ..	..	..	..	..	..	..	..	..	1	..	..	..	1	..
6	Kerala .. ..	2	6	..	1	2	..	..	..	31+2*	41	..	2	35+2*	50
7	Madhya Pradesh ..	..	..	..	..	7	18	..	..	14+1*	50+2*	..	..	21+1*	68+2*
8	Madras .. ..	9	34	..	..	31+1*	110	..	..	104+41*	161+2*	6	1	150+42*	306+2*
9	Maharashtra ..	..	1	..	..	17+1*	37	..	..	22+9*	44+1*	2	..	41+10*	82+1*
10	Mysore .. ..	..	..	..	..	26+2*	30	..	..	22+42*	24	..	2	48+44*	56
11	Orissa .. ..	..	..	..	..	..	..	..	..	6	17	1	9	7	26
12	Punjab .. ..	4	1	1	3	13	13	..	..	30	26	10	5	58	48
13	Rajasthan .. ..	..	1	..	..	1	6	..	..	1	8	..	4	2	19

14	Uttar Pradesh ..	3	7	..	..	35+2*	28	..	..	44+5*	45	8	15	90+7*	95
15	West Bengal ..	..	..	..	..	4	7	..	..	26+14*	7	18	1	48+14*	15
16	<i>Union Territories—</i>														
	(a) Delhi ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(b) Andaman and Nicobar Islands.	..	..	..	..	..	..	..	..	2	1	..	..	2	1
	(c) Goa, Daman and Diu	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Himachal Pradesh ..	..	..	..	..	2	5	..	..	..	..	..	..	2	5
	(e) Laccadive, Minicoy and Amindivi Islands.	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(f) Manipur ..	..	..	..	..	..	..	..	..	1*	..	..	..	1*	..
	(g) Nagaland ..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(h) Pondicherry ..	..	..	..	..	..	..	..	..	3	..	..	..	3	..
	(i) Tripura ..	..	..	..	..	..	..	..	..	1	1	..	..	1	1
17	Mines ..	..	..	1	1	..	..	5	2	..	..	12	6	18	9
	Total ..	20	65	2	5	181+10*	321	5	2	387+138*	525+6*	63	74	658+148*	992+6*

NOTE—Figures with asterisk indicate animals involved in the accidents and remaining figures indicate human beings.

M/B(D)35CW&PC(WW)—8(a)

**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 CORPORATION AND LOCAL AUTHORITIES IN THE PUBLIC SECTOR AND COMPANIES, PARTNERSHIPS ETC., IN THE PRIVATE SECTOR AS ON 31st MARCH, 1963**

**TABLE 55—CAPITAL EXPENDITURE**

(Figures in Rs. lakhs)

Serial No.	Name of State/Union Territories	State Owned				Private		Total	
		Governments and Boards		Municipalities		Companies		1961-62	1962-63
		1961-62	1962-63	1961-62	1962-63	1961-62	1962-63		
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh ..	4,302	7,446	..	..	..	..	4,302	7,446
2	Assam .. ..	562	631	..	..	94	98	656	729
3	Bihar .. ..	3,463	4,516	..	..	465	494	3,928	5,010
4	Gujarat .. ..	3,206	5,160	98	118	2,511	2,728	5,815	8,006
5	Jammu & Kashmir ..	..	..	..	..	..	..	..	..
6	Kerala .. ..	3,679	3,844	21	23	93	101	3,793	3,968
7	Madhya Pradesh ..	3,133	3,862	..	..	224	229	3,357	4,091
8	Madras .. ..	12,515	13,512	114	128	569	650	13,198	14,290
9	Maharashtra .. ..	3,548	4,540	2,829	2,991	5,614	5,804	11,991	13,335
10	Mysore .. ..	4,301	4,992	..	..	109	118	4,410	5,110
11	Orissa .. ..	1,265	1,795	..	..	6	..	1,271	1,795
12	Punjab .. ..	10,153	11,119	85	85	150	76	10,388	11,280
13	Rajasthan .. ..	730	2,253	..	..	86	147	816	2,400
14	Uttar Pradesh .. ..	8,925*	7,271	195	208	1,327	1,302	10,447	8,781
15	West Bengal .. ..	1,163*	1,955*	24	24	5,557	5,555	6,744	7,534
16	Damodar Valley Corpn. ..	8,365*	8,100	..	..	..	..	8,365	8,100
17	Union Territories—								
	(a) Delhi .. ..	..	..	1,691	1,834	..	..	1,691	1,834
	(b) Rest .. ..	336	390	..	..	18	7	354	397
	<b>Total ..</b>	<b>69,646</b>	<b>81,386</b>	<b>5,057</b>	<b>5,411</b>	<b>16,823</b>	<b>17,309</b>	<b>91,526</b>	<b>1,04,106</b>

\*Including works-in-progress.

TABLE 56

## PUBLIC ELECTRICITY INDUSTRY—CONSOLIDATED ANNUAL ACCOUNT FOR THE YEAR ENDED 31st MARCH, 1963

## TABLE 56(a)—CAPITAL ACCOUNT 1962-63

(Figures in Rs. lakhs)

1961-62		Govt. Departments/Boards/Power Corporation	Municipalities	Companies	Total	1961-62		Govt. Departments/Boards/Power Corporation	Municipalities	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>				
	<b>(a) Steam Power Station—</b>						<b>(a) Invested by States—</b>				
G 12,495	(i) Land	600	5	92	697	G 74,182	(i) Government Undertakings	89,364	..	..	
M 391	(ii) Buildings	2,156	..	717	2,873	M 2,972	(ii) Municipal Undertakings	..	3,081	..	..
C 5,316	(iii) Boilers, Turbines etc.	11,510	346	4,488	16,344	77,154	Group Total	89,364	3,081	..	92,445
	(iv) Other equipments	464	..	178	642		<b>(b) Invested by Private Sector—</b>				
18,202	Group Total	14,730	351	5,475	20,556	Companies	(i) Ordinary Share Capital	..	..	3,794	
	<b>(b) Diesel Power Stations—</b>					O 3,864	(ii) Preference Share Capital	..	..	657	
	(i) Land	16	1	5	22	P 679	(iii) Debentures	..	..	1,238	
G 1,050	(ii) Buildings	171	10	55	236	D 1,290	(iv) Other secured loan Capital	..	..	1,871	7,560
M 188	(iii) Engines Generators etc.	1,299	190	370	1,859	1,850					
	(iv) Other equipments	7	..	3	10	7,683					
C 462						M 230					
						C 166					
						405	<b>2. BY CAPITAL RESERVE—</b>	43	228	166	437
1,700	Group total	1,493	201	433	2,127						

TABLE 56(a)—CAPITAL ACCOUNT 1962-63—contd.

(Figures in Rs. lakhs)

1	2	3	4	5	6	7	8	9	10	11	12
	(c) Hydro Power Stations—					G 317 M 212 C 983					
G 21,958	(i) Land	450	1	72	523		3. BY CONSUMERS CONTRIBUTION FOR SERVICE LINES	496	247	1,040	1,773
M 68	(ii) Buildings	1,359	5	106	1,470	1,512					
C 1,557	(iii) Hydraulic Power Plant	11,211	34	336	11,581						
	(iv) Civil Works	9,965	29	1,091	11,085						
23,583	Group Total	22,985	69	1,605	24,659						
43,485	Sub-Total (Generation Assets)	39,208	621	7,513	47,342						
G 10,140											
M 45											
C 1,552											
11,737	2. TO TRANSMISSION ASSETS—	15,253	92	1,588	16,933						
	3. TO DISTRIBUTION ASSETS—										
	(i) Cables and Mains	10,442	1,289	2,998	14,729						
	(ii) Sub-Stations, Trans- formers.	5,095	585	1,718	7,398						
G 19,544	(iii) Service Lines	1,609	484	1,618	3,711						
M 2,643	(iv) Public Lighting	873	59	203	1,135						
C 7,220	(v) Meters, testing instruments etc.	2,069	469	996	3,534						
29,407	Group Total	20,088	2,886	7,533	30,507						

		<b>4. TO GENERAL ASSETS—</b>											
G	4,063	(i) Land, Buildings and Structures etc.	567	207	240	1,014							
M	296	(ii) Office Furniture and Miscellaneous Equipment.	2,222	75	214	2,511							
C	558	(iii) Workshop Plant and equipment, Tools and Implements.	986	15	47	1,048							
		(iv) Transportation and Communication.	644	19	95	758							
	4,917	Group Total	4,419	316	596	5,331							
G	396												
M	17												
C	158												
	571												
		<b>5. TO INTANGIBLE ASSETS—</b>	2,418	25	79	2,522							
M	1,409	<b>6. TO SPECIAL ITEMS—</b> (Tramways in the case of Bombay).	..	1,471	..	1,471							
G	69,646												
M	5,057												
C	16,823												
	91,526	Total carried to General Balance Sheet.	81,386	5,411	17,309	1,04,106	86,754		89,893	3,556	8,766	1,02,215	

G—Government      M—Municipalities      C—Companies      O—Ordinary Share Capital      P—Preference Share Capital      D—Debentures

TABLE 56(b)—REVENUE ACCOUNT 1962-63

(Figures in Rs. lakhs)

1961-62		Govt. Departments/Boards/Power Corporation	Municipalities	Companies	Total	1961-62		Govt. Departments/Boards/Power Corporation	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	TO OPERATING EXPENSES						BY OPERATING REVENUES				
	I. GENERATION—						I. SALE OF ELECTRICITY—				
G 1,454 M 127 C 1,377						G 1,957 M 537 C 1,354					
2,958	(a) (i) Coal	1,837	120	1,464	3,421	3,848	(i) Domestic Residential and	2,480	566	1,408	4,454
G 200 M 48 C 148						G 521 M 313 C 451					
396	(ii) Oil	220	39	144	403	1,285	(ii) Commercial	531	347	461	1,339
G 72 M 9 C 56						G 3,872 M 346 C 2,659					
137	(iii) Consumable Stores	80	8	27	115	6,877	(iii) Industrial	4,783	400	3,040	8,223
G 425 M 17 C 147						G 303 M 45 C 106					
589	(b) Salaries and Wages	506	27	146	679	454	(iv) Public Lighting	368	44	107	519
G 432 M 10 C 171						G 34 M 49 C 117					
613	(c) Repairs and Maintenance	487	9	204	700	200	(v) Public Water Works and Sewage Pumping.	51	56	130	237
G 952 M 533 C 1,105						G 661 M 7 C 32					
2,590	(d) Purchase of Energy	1,683	623	1,391	3,697	700	(vi) Irrigation	997	10	31	1,038

		2. TRANSMISSION											
G 110 M 3 C 23	136	(a) Salaries and Wage	156	3	23	182	46	(vi) Traction	..	1	36	37	
G 72 C 12	84	(b) Repairs and Maintenance.	101	..	13	114	2,468	(viii) Supplies in Bulk to Distributing Licensees.	2,262	121	722	3,105	
		3. DISTRIBUTION—											
G 475 M 60 C 203	738	(a) Salaries and Wages	609	71	210	890	219	2. METER AND OTHER RENTALS	114	41	85	240	
G 311 M 35 C 125	471	(b) Repairs and Maintenance	364	41	138	543	M 4 C 7	3. SERVICE CONNECTION FEES	..	6	7	13	
G 51 M 13 C 38	102	(c) Public Lighting (attendance repairs and renewals).	35	18	38	91	G 6 C 16	4. PUBLIC LIGHTING MAINTENANCE	8	7	14	29	
		4. CONSUMERS SERVICING— (Billing accounting etc.)											
G 65 M 6 C 19	90	(a) Salaries and Wages	71	7	22	100	G 784 M 38 C 130	5. MISCELLANEOUS RECEIPTS	477	59	88	624	
G 7 M 46 C 124	177	(b) Other Expenses	10	54	133	197							
		5. GENERAL ESTABLISHMENT CHARGES—											
G 162 M 9 C 126	297	(a) Salaries and Wages	167	32	136	335							
G 516 M 112 C 253	881	(b) Other expenses (including Provident Fund etc.)	641	96	278	1,015							



TABLE 56(b)—REVENUE ACCOUNT 1962-63—contd.

1	2	3	4	5	6	7	8	9	10	11	12
	<b>6. MANAGEMENT EXPENSES—</b>										
C 9	9 (a) Directors' Fee and expenses.	..	..	8	8						
C 71	71 (b) Managing Agents Ordinary Remuneration and Office Allowance.	..	..	72	72						
	<b>7. ADMINISTRATION—</b>										
M 65	5 Members Remuneration and other Expenses (L. A.)	..	52	..	52						
G 1,302 M 84 C 463	8. DEPRECIATION	1,569	94	480	2,143						
	1,849										
G 6,606 M 1,177 C 4,470											
12,253	<b>TOTAL OPERATING EXPENSES</b>	8,535	1,294	4,927	14,757						
G 3,403 M 303 C 1,103	<b>TO BALANCE CARRIED OVER</b>	3,535	364	1,202	5,101						
4,809											
G 10,009 M 1,480 C 5,573						G 10,009 M 1,480 C 5,573					
17,062	<b>TOTAL ..</b>	12,071	1,658	6,129	19,858	17,062		12,071	1,658	6,129	19,858

TABLE 56(c)—NET REVENUE AND APPROPRIATION ACCOUNT 1962-63

(Figures in Rs. lakhs)

1961-62		Government Departments/Boards/Power Corporation	Municipalities	Companies	Total	1961-62		Government Departments/Boards/Power Corporation	Municipalities	Companies	Total	
1		2	3	4	5	6	7	8	9	10	11	12
		To appropriation (Applicable to local authority licencees only)					G 3,403 M 303 C 1,103 4,809	By balance brought forward from Revenue Account	3,535	364	1,202	5,101
	84	(a) Interest on loan capital	..	54	..	54	G 65 M 8 C 28 101	By interest on securities and investment	110	9	26	145
	12	(b) Instalment of redemption of loan capital	..	15	..	15	M(-)28	By deficit on incidental business (Tramways and Omnibuses of Bombay Municipality)	..	(-) 49	..	(-) 49
	82	(c) General Rates	..	92	..	92	(-)28					
M 2 C 298	300	To taxes on income and profits	..	1	420	421						
G 80 C 11	91	To instalment of write down in respect of intangible assets	1	..	8	9						
M 5 C 54	59	To contribution towards contingencies reserve	..	5	47	52	M 93 C 34 127	By balance of profit brought forward from previous year	..	86	19	105
M 7 C 74	81	To development reserve	17	1	34	52	G 1,355 1,355	By balance carried over to General Balance Sheet	1,476	..	..	1,476
M 5 C 11	16	To appropriations to tariffs and dividends Control Reserve	..	..	8	8						
M 4 C 10	14	To appropriations to consumers rebate reserve	..	9	10	19						
M 50 C 15	65	To special appropriations permitted by State Government	..	40	15	55						

TABLE 56(c)—NET REVENUE AND APPROPRIATION ACCOUNT 1962-63—*contd.*

(Figures in Rs. lakhs)

1	2	3	4	5	6	7	8	9	10	11	12
G 315 M 31 C 134	To other appropriations	445	50	223	718						
480	To appropriation to- wards interest paid and accrued and dividends paid and payable										
C 63 63	(a) Interest on debentures	..	14	60	74						
G 2,705 C 68 2,773	(b) Interest on other secured loans	3,256	10	89	3,355						
G 35 M 1 C 15 51	(c) Interest on consu- mers security deposits	15	2	16	33						
G 328 C 45 373	(d) Interest on unse- cured loans, advan- ces, deposits, bank over drafts etc.	77	15	47	139						
C 37 37	(e) Dividends on pre- ference share capi- tal	..	..	28	28						
C 301 301	(f) Dividends on ordi- nary share capital	..	..	238	238						
G 1,306 1,306	To balance of loss brought forward	1,310	..	..	1,310						
M 93 C 29 122	To balance carried over to general balance sheet	..	102	4	106						
G 4,823 M 376 C 1,165 6,364		5,121	410	1,247	6,778	G 4,823 M 376 C 1,165 6,364		5,121	410	1,247	6,778

TABLE 56(d)—GENERAL BALANCE SHEET AS AT 31ST MARCH, 1963

(Figures in Rs. lakhs)

1961-62		Government Depart- ments/ Boards/ Power Corpo- ration	Muni- cipa- lities	Com- panies	Total	1961-62		Government Depart- ments/ Boards/ Power Corpo- ration	Muni- cipa- lities	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
86,754	Fixed Capital raised and appropriated as per the Capital Account.	89,893	3,556	8,786	1,02,215	91,526	Capital Expenditure on works as per the Capital Accounts.	81,386	5,411	17,309	1,04,106
1,735	Capital Redemption, Sinking Fund and other Reserves.	389	1,303	365	2,057	13,917	Less Accumulated Provisions for Depreciation.	9,184	1,264	5,635	16,083
	<b>RESERVES AND SURPLUS</b>					<b>77,609</b>	<b>NET BLOCK</b>	<b>72,202</b>	<b>4,147</b>	<b>11,674</b>	<b>88,023</b>
3,670	Non-Statutory Reserve	2,743	787	1,874	5,404	39	Balance of written down cost of obsolete and inadequate assets.	11	1	32	44
47	Special appropriation (as permitted by State Government).	..	..	46	46	..					
	<b>CURRENT ASSETS</b>										
389	Contingencies Reserve Fund.	..	41	396	437	7,194	Capital Works in Progress	10,219	667	834	11,720
50	Tariffs and Dividends Control Reserve.	..	147	49	196	..	Stores and Materials in Hand.	..	..	..	..
119	Consumers Rebate Reserve.	..	2	113	115	835	(a) Fuel, Coal and or Oil at cost.	331	30	138	549
514	Development Reserve	..	2	387	389	7,409	(b) General Stores at or below cost.	8,602	531	929	10,062
122	Balance of net revenue and appropriation account.	..	102	4	106	2,800	Sundry debtors for electricity supplied.	1,764	357	842	2,963

TABLE 57—AVERAGE PRICE OF ELECTRICITY

Serial No.	Category of Sale	kWh sold in 1962-63 (Millions)	Revenue realised in rupees (Lakhs)	Revenue realised in paise per kWh sold
1	Domestic and commercial premises for lighting, heating, small power etc.	3,212	6,312	19.65
2	Industrial and traction .. .. .	14,365	8,497	5.91
3	Agriculture .. .. .	1,103	1,038	9.41
4	All purposes .. .. .	18,680	15,847	8.48

TABLE 58—SOME IMPORTANT FINANCIAL FEATURES FOR THE YEAR 1960-61 TO 1962-63

	Units	1961	1962	1963
1 Installed plant capacity .. .. .	kW.	4,579,051	5,201,883	5,779,795
2 Average cost per kW installed .. .. .	Rs.	1,657	1,759	1,801
3 Number of consumers .. .. .	No.	4,729,163	5,368,431	6,909,900
4 Average capital outlay per consumer .. .. .	Rs.	1,605	1,705	1,762
5 Maximum demand .. .. .	kW.	3,545,930	3,971,206	4,635,049
6 Average capital outlay on transmission, distribution, etc. per kW of maximum demand	Rs.	1,066	1,174	1,193

TABLE 59—CONSOLIDATED CAPITAL OUTLAY BY OWNERSHIP

	1959		1960		1961		1962		1963	
	Outlay Rs. Lakhs	Per cent of total	Outlay Rs. Lakhs	Per cent of total	Outlay Rs. Lakhs	Per cent of total	Outlay Rs. Lakhs	Per cent of total	Outlay Rs. Lakhs	Per cent of total
Public Sector .. .. .	51,281	78	56,626	79	59,875	79	74,703	82	86,797	83
Private Sector .. .. .	14,205	22	14,697	21	16,008	21	16,823	18	17,309	17
Total .. .. .	65,486	100	71,323	100	75,883	100	91,526	100	104,106	100

CONSOLIDATED CAPITAL OUTLAY OF ELECTRICITY SUPPLY UNDERTAKINGS

	Units	1959	1960	1961	1962	1963
On Electrical Works .. .. .	Rs. (Lakhs)	64,258	70,037	74,558	90,117	1,02,635
Non-Electrical Works like Tramways and Omni-bus.	Rs. (Lakhs)	1,228	1,286	1,325	1,409	1,471
Total .. .. .	Rs. (Lakhs)	65,486	71,323	75,883	91,526	104,106

**APPENDIX**

ADDRESSES OF PUBLIC ELECTRICITY SUPPLY  
UNDERTAKINGS AND SYSTEM OF SUPPLY  
AS AT 31-3-1964

**ANDHRA PRADESH**

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>BOARD</b>				
1	<p>Andhra Pradesh State Electricity Board.</p> <p><i>(a) Hydro Electric Power Stations</i></p> <p>1. Hampi 2. Machkund 3. Nizamsagar 4. Tungabhadra Dam</p> <p><i>(b) Thermal Power Stations</i></p> <p>1. Gas turbine, Erragadda 2. Hussainsagar 3. Nellore 4. Ramagundam 5. Vijayawada 6. Visakhapatnam</p> <p><i>(c) Diesel Stations</i></p> <p><b>(ANDHRA REGION)</b></p> <p>1. Addatheegala 2. Araku 3. Badvel 4. Giddalur 5. Kalyandurg 6. Kanigiri 7. Markarpur 8. Pathapatnam 9. Pulivendla 10. Rampachodavaram 11. Srisallam 12. Udayagiri</p> <p><b>(TELANGANA REGION)</b></p> <p>1. Adilabad 2. Ashwaraopet 3. Badhrachalam 4. Burgampad 5. Boath 6. Devarkonda 7. Dharampuri 8. Gadwal 9. Gawel 10. Iecz 11. Khammamoth 12. Metpalli 13. Sirpur 14. Tandur 15. Utnoor 16. Venkatapuram</p>	<p align="center">The Chief Engineer, Electricity, Andhra Pradesh Electricity Board, opposite Bella Vista, P.O. Hyderabad-4.</p>	<p>132,000 11,000 6,600 3,300 400 230</p>	<p>3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy</p>

## ANDHRA PRADESH—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency, etc.
		<b>BOARD—contd.</b>		
	(CENTRAL DIESEL STATION) 1. Hussainsagar 2. Mahboobnagar 3. Nirmal 4. Nizamabad 5. Nizamsagar 6. Trimulghery	The Chief Engineer, Electricity, Andhra Pradesh Electricity Board, opposite Bella Vista, P.O. Hyderabad-4.		
		<b>ASSAM BOARD</b>		
1-1	Gauhati Electrical Division Gauhati	The Chief Engineer Assam State Electricity Board, Uzan Bazar, Gauhati.	11,000 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-2	Jorhat Electrical Division  Dergaon Golaghat Jorhat North Lakhimpur Sibsagar Titabar		400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-3	Naharkatiya	Naharkatiya Transmission Division, (East), Namrup AMC (Dibrugarh) Doomdooma.		
1-4	Nalbari Electrical Division  Abbeyapuri Goalpara Kokrajhar Mangaldai Nalbari Sualkuchi Tura	The Chief Engineer, Assam State Electricity Board, Uzan Bazar, Gauhati.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-5	Nowgong Electrical Division  Aijal Diphu Hailakandi Hojai Karimganj Nowgong		400 230	3 ph. A. C. 50 cy 1 ph. A.C. 50 cy
1-6	Tezpur Electrical Division  Charali Dhekiajuli Tezpur		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy



## ASSAM—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>BOARD—contd.</b>				
1-7	Umtru Electrical Division Burmihat Umtru	The Chief Engineer, Assam State Electricity Board, Uzan Bazar, Gauhati.	6,800	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-8	Umium Transmission Division  Barapani Jowai		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
<b>COMPANIES</b>				
2	Dibrugarh	The Dibrugarh Electric Supply Co., Private Ltd., P.O. Rehabari, Post Box No. 9, Dibrugarh.	440	D.C. 3 Wire
			220	D.C. 2 Wire
3	Dhubri	The National Power Supply Corporation Ltd., (Dhu- bri Branch) 23-B, Allenby Road, Calcutta-20.	400	3 ph. A.C. 50 cy
			230	3 ph. A.C. 50 cy
4	Shillong	The Shillong Hydro Electric Ltd., M/A. Develop- ment of Industries (India) Private Ltd., 135, Prinsep Street, Calcutta-13.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
5	Silchar	The Silchar Electric Supply Ltd., M/A. M/s. Sarada Charan Barda Kanta Roy, Silchar.	440	D.C. 3 Wire
			220	D.C. 2 Wire
6	Tinsukia	The Tinsukia Electric Supply Co. Ltd., P.O. Senai- ram Bazar, Tinsukia.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
<b>BIHAR BOARD</b>				
1-1	Aurangabad Division	The Chief Electrical Engineer, Bihar State Electri- city Board, Patna.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-2	Arrah Division		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
			460	D.C. 3 Wire
			230	D.C. 2 Wire
1-3	Bettiah Division Bettiah Barigania Chakia Sitamarhi		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-4	Bihar Shariff Division		11,000	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
		230	1 ph. A.C. 50 cy	
1-5	Chapra Division Chapra Mirganj	11,000	3 ph. A.C. 50 cy	
		400	3 ph. A.C. 50 cy	
		230	1 ph. A.C. 50 cy	

## BIHAR—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
BOARD—contd.				
1-6	Dhanbad Division	The Chief Electrical Engineer, Bihar State Electricity Board, Patna.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-7	Dehri-on-Sone Division		3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-8	Deogarh Division		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-9	Dumkia Division			
1-10	Gaya Division		2,200 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-11	Hazaribagh Division		11,000 6,600 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-12	Kodarma Division		11,000 440 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-13	Monghyr Division Monghyr Sahebganj		400 230 460 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-14	Muzaffarpore Division Hajipur Madhubani (Sakri) Samastipur		3,300 400 230 460 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire D.C. 3 Wire D.C. 2 Wire
1-15	Patna Division		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-16	Purnea Division Begusarai Forbesganj Katihar Krishanganj Saharsa		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-17	Ranchi Division Gumla Netarhat Simdega		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-18	Singhbhum Division		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## BIHAR—concl'd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>POWER CORPORATION</b>				
2	Damodar Valley Corporation.  (Power Houses located in Bihar area). Bokaro Tilaiya Panchet Hill.  (Power Houses located in West Bengal area). Chandrapura  Durgapur Maithon	The Chief Electrical Engineer, Damodar Valley Corporation, Anderson House, Alipore, Calcutta 27.	33,000 11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 4 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>COMPANIES</b>				
3	Bhagalpur	The Bhagalpur Electric Supply Co., M/A M/s. Octavius Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
4	Chaibasa	The Chaibasa Electric Supply Co., C/o M/s. Madan Gopal, Chaibasa.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
5	Chirkunda	The Chirkunda Electricity Supply Co., P.O. Barakar, District Burdwan.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
6	Darbhanga Laherisarai	The Darbhanga Laherisarai Electric Supply Corporation Ltd., M/A. M/S. Baroliya Bros., Darbhanga.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Jharia Coal Field	The Jharia Coal Field Electric Supply Co. Private Ltd., P.B. No. 16, Dhanbad.	400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
8	Jugsalai	The Jugsalai Electric Supply Co., C/o M/s. Mangilal Rungta, Jugsalai (Tatanagar), S.E. Railway.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Muzaffarpore	The Muzaffarpore Electric Supply Co. Ltd., M/A. M/s. Octavius Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1.	3,300 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
10	Patna	The Patna Electric Supply Co. Ltd., M/A. M/s. Octavius Steel & Co. Ltd., 14, Old Court Street, Calcutta-1.	6,000 3,300 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
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. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Sijhua (Jherriah)	The Sijua (Jherriah) Electric Supply Co., Ltd., M/A. M/s. Bird & Co. Private Ltd., P.O. Bansjora (District Dhanbad).	10,000 6,300 500	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy

## GUJARAT

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
1-1	Baroda Division  Chota Udepur Deogad Baria Rajpipra Santrampur.	BOARD          The Chief Engineer, the Gujarat Electricity Board, Race Course, Baroda-1.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-2	Bhuj Division  Bhuj Kothara Mandvi Mundra Nakhatrana Rahpur		400 230 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 2 Wire
1-3	Dhoraji Division  Bhanavad Jamjodhpur		11,000 400 230 460 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-4	Jamnagar Division  Dhrol-Jodiya Dwarka Jamnagar Jamkhambaliya		11,000 400 230 460 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-5	Junagadh Division  Bagasara Una		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-6	Kandla Power House Division  Kandla		11,000 400	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
1-7	Mehsana Division  Ambaji Deesa Himatnagar Radhanpur Vijapur		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-8	Nadiad Division		22,000 11,000	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
1-9	Navsari (O & M) Division  Gandevi		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## GUJARAT—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		<b>BOARD—contd.</b>		
1-10	Palitana Division Botad Dhari Gadhada Lathi Mahuva Palitana Rajula Savarkundla	The Chief Engineer, Gujarat Electricity Board, Race Course, Baroda-1.	400 230	1 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-11	Petlad Division Vallabh-Vidyanagar		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-12	Porbander Division Porbander		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-13	Rajkot Division Gondal Jasdan Morvi Rajkot		400 230 460 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-14	Surendranagar Division Chotila Dharangadhra Halwad Zalawad		400 230 460 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-15	Shahpur Power House Division. Shahpur		6,600	3 ph. A.C. 50 cy
1-16	Sabarmati Division Dhandulna Modasa		400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-17	Sikka Power House Division Sikka		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-18	Surat transmission and distribution division.		400 230 22,000 11,000 400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-19	Power Station Division Utran		22,000 11,000 3,300	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy

## GUJARAT—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>MUNICIPALITIES</b>				
2	Baroda	The Electrical Engineer, Department of Electricity, Baroda Borough Municipality, Post Box No. 17, Baroda-1.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
3	Bhadran	The President, Bhadran Municipality, Bhadran.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
4	Jhalod	Jhalod Gram Panchayat, Jhalod Distt. Panchmahal.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
5	Karjan	The President, Karjan Municipality, Karjan.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
6	Nar	The Electrical Engineer, Nar Gram Panchayat, Nar (Via Anand).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Palanpur (Iqbal)	The Electrical Engineer, the Iqbal Electric Supply Municipal Power House, Palanpur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
8	Patan	The Electrical Engineer, Patan Municipality, Patan.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Petlad	The Electrical Engineer, Petlad Municipality, Petlad.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Sojitra	The President, Sojitra Nagar Panchyat, Sojitra.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
11	Sankheda	The Sankheda Municipal Electric Power House, Sankheda.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Vadnagar	The Chief Officer, Electricity Department, Vadnagar Municipality, Vadnagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
13	Visnagar	The Chief Officer, Visnagar Municipality, Visnagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
14	Vanthali	The President, Vanthali Municipality, Vanthali.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>COMPANIES</b>				
15	Ahmedabad	The Ahmedabad Electricity Co. Ltd., M/A. M/s. Killick Industries Ltd., Electricity House, Lal Darwaja, Ahmedabad-1.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
16	Anand	The Anand Electric Supply Co. Ltd., M/s. Sonawala Co. Ltd., Sonawala Buildings, 459, Apollo Street, Fort, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
17	Bajana	Shri Babu Lal Valji, Proprietor, Bajana Power House, Via Patri.	230	D.C. 2 Wire
18	Bardoli	Shree Sardar Kheti Sahayak Sahakari Vidyut Mandal Ltd., Bardoli (District Surat).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
19	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.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
20	Bilkha	M/s. Unity Power House, Bilkha.	230	D.C. 2 Wire

## GUJARAT—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
COMPANIES—contd.				
21	Bilimora	The Bilimora Electric Power Supply Co. Ltd., Bilimora.	460 230	D.C. 3 Wire D.C. 2 Wire
22	Bhavnagar	The Bhavnagar Electricity Co. Ltd., P.O. Box No. 45, Bhavnagar.	11,500 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
23	Broach	The Broach Electric Supply & Development Corporation Ltd. M/s. The Rajputana Textile (Agencies) Private Ltd., Esplanade Mansions, 144-146, Mahatma Gandhi Road, Fort, Bombay-1.	4,003 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
24	Cambay	The Cambay Electric Supply & Industrial Co. Ltd., M/A. M/s. A.A. Meeyajee & Co., Private Ltd., Power House, Bombay.	400 230 460 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
25	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
26	Dakor Umreth	The Dakor-Umreth Electricity Co. Ltd., Dakor.	440 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
27	Dohad	The Amalgamated Electricity Co. Ltd., (Dohad Branch) M/A. M/s. N.C. Javeri & Co., Post Box 879, 17-B Horniman Circle Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
28	Godhra	The Godhra Electricity Co. Ltd., M/A. M/s. Udayan & Co., Power House, Godhra.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
29	Gandhidham	The Sindhu Resettlement Corporation Ltd., Power Supply Department, Adipur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
30	Jetpur	The Jetpur Electric Supply Co. Ltd., Jetpur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
31	Jambusar	The Jambusar Electric Supply Co. Ltd., Sarodi Bhagal, Jambusar (District Broach).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
32	Jhalawar (Surendranagar)	The Jhalawar Electric Supply Co. Ltd., M/s. N.D. Mehta & Co. Surendranagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
33	Kadi	The Kadi Electric Supply Co. Ltd., M/A. M/s. Parik & Co., Kadi.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
34	Kalol	The Kalol Electric Supply & Industrial Co. Ltd., Power House, Kalol (North Gujarat).	1,400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
35	Kapadwanj	The Kapadwanj Town Co-Operative Electricity Association Ltd., Sardar Baug, Kapadwanj.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
36	Kholvad	The Kholvad Electric Supply Corporation, Kholvad (District Surat).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
37	Lunawada	Lunawada Electric Supply Cooperative Society Ltd., Lunawada.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
38	Nadiad	The Nadiad Electric Supply Co. Ltd., M/A. M/s. Sonawala Co. Ltd., Sonawala Buildings, 59, Appollo Street, Bombay-1.	460 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## GUJARAT—conold.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>COMPANIES—conold.</b>				
39	Navsari	The Navsari Electric Supply Co. Ltd., M/A M/s Ardeshir Modi and Co., Navsari.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
40	Rander	The Rander Electric Supply Co. Ltd., M/A M/s Sunderrao Moreswar Co., Lal Baug, Rander, District Surat.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
41	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. 50 cy 1 ph. A.C. 50 cy
42	Sidhpur	The Sidhpur Electric Industrial Co. Ltd., Near Station, Sidhpur (District Mehsana).	440 220	D.C. 3 Wire D.C. 2 Wire
43	Sihor	The Sihor Electric Works Ltd., the Tapi Electric Supply & Industrial Co., Sihor.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
44	Surat	The Surat Electricity Co. Ltd., Central Administration Department, M/A M/s Killick Industries Ltd., 5 Graham Road (4th floor), Ballard Estate, (P.O. Box No. 199), Bombay-1.	3,300 400 230	3 ph. A.C. 50 cy. 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
45	Udwada	The Udwada-Vapi Electric Supply Co. Ltd., M/A M/s Raiyamand Engineering Co., Electric House, Ganchalla Post, Vapi, District Surat.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
46	Vapi	The Udwada-Vapi Electric Supply Co. Ltd., M/A M/s Raiyamand Engineering Co., Electric House, Ganchalla Post, Vapi, District Surat.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
47	Vallabh-Vidyanagar	M/s Charotar Gramodhar-Sahakari Mandal Ltd., Vallabh Vidyanagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
48	Virangam	The Virangam Electric Supply Co. Ltd., M/A M/s Saifee & Co., Mandal Road, Virangam.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
49	Vyara-Kanpura	The Vyara-Kanpura Electric Supply Co-operative Society Ltd., Vyara, District Surat.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
50	Wankaner	The Wankaner Electric Supply Co., M/A M/s Survaiya & Co., Wankaner.	460 230	D.C. 3 Wire D.C. 2 Wire
<b>JAMMU &amp; KASHMIR</b>				
1-1	Anantnag Division		3,000	3 ph. A.C. 50 cy
1-2	Baramulla Division		2,300	3 ph. A.C. 50 cy
1-3	Baramulla Power Project Generation Division.		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-4	Baramulla Power Project Transmission Division.	The Chief Engineer, Electrical and Mechanical Department, Kashmir State, Srinagar.		
1-5	Chenani Construction Division, Jammu Bhaderwah.			
1-6	Jammu Electric Maintenance Division, Jammu.			



## JAMMU &amp; KASHMIR—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
1-7	Kalakote Transmission Division, Jammu. Mendhar Poonch Rajouri	The Chief Engineer, Electrical and Mechanical Department, Kashmir State, Srinagar.		
1-8	Kathua Division			
1-9	Mohora Electrical Divi- sion Mohora.			
1-10	Sindh Valley Division, Srinagar Ganderbal.			
1-11	Srinagar Division			
1-12	Udhampur, Electric Maintenance Division. Banihal Ramban Udhampur			
<b>KARELA</b> <b>BOARD</b>				
1-1	Kerala State Electricity Board.  Neriamangalam Pallivasa Poringalkuthu Sengulam Ulloor Vellayambalam	The Chief Engineer, Kerala State Electricity Board P.O. Box No. 65, Trivandrum.	66,000 22,000 11,000 2,300 400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-2	Port of Cochin	The Electrical Engineer Electricity Deptt. Port of Cochin, Cochin-3, Willingdon Island P.O.	400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
<b>MUNICIPALITY</b>				
2	Trichur	The Commissioner, Trichur Municipality, Trichur.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>COMPANIES</b>				
3	Chennamangalam	The Chennamangalam Electrical Distribution, Chennamangalam.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
4	Ernakulam	The Cochin State Power and Light Corporation Ltd., M/A M s Chandrie & Co. (Private) Ltd., P.O. Box No. 156, National Insurance Building Espla- nade, Madras-1.	11,000 6,600 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
5	Kottayam	The Kottayam Electric Supply Agency, c/o M/s Moos, Kottayam.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
6	Kannan Dewan Hills	The Kannan Dewan Hills Produce Co. Ltd., Head- quarters Office, Munnar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Mattencherry	The Cochin Electric Co. Private Ltd., Mattencherry, Cochin-1.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## MADHYA PRADESH

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>BOARD</b>				
1-1	Bhilai Division, Bhilai	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Rampur, Jabalpur.	11,000	3 ph. A.C. 50 cy
1-2	Bhopal Division		400	3 ph. A.C. 50 cy
	Bhopal		230	1 ph. A.C. 50 cy
	Barcilly		3,000	3 ph. A.C. 50 cy
	Begunjanj		400	3 ph. A.C. 50 cy
	Vidisha		230	1 ph. A.C. 50 cy
1-3	Bilaspur Division		400	3 ph. A.C. 50 cy
	Dharamjaigarh		230	1 ph. A.C. 50 cy
	Jashpur		440	D.C. 3 Wire
	Raigarh		220	D.C. 2 Wire
	Sarangarh			
	Sakti			
1-4	Chambal Hydel Division (Gandhi Sagar Power House).	The Superintending Engineer (Electrical), Chambal Hydel & Irrigation Scheme, Madhya Pradesh Electricity Board, P.O. Chambal Hydel Works, via Jhalwar Road Rly. Station, (Western Rly.).	132,000	3 ph. A.C. 50 cy
			11,000	3 ph. A.C. 50 cy
1-5	Chhindwara Division		11,000	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-6	Chirimiri Division		33,000	3 ph. A.C. 50 cy
	Ambikapur		11,000	3 ph. A.C. 50 cy
	Baikunthpur			
1-7	Dhar Division		400	3 ph. A.C. 50 cy
	Barwani		230	1 ph. A.C. 50 cy
	Khargone			
	Maheshwar			
	Sanawad			
1-8	Gwalior Division	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Rampur, Jabalpur.	400	3 ph. A.C. 50 cy
	Ashoknagar		230	1 ph. A.C. 50 cy
	Bhind		440	D.C. 3 Wire
	Datia		220	D.C. 2 Wire
	Gwalior			
	Shivpuri			
1-9	Guna Division		400	3 ph. A.C. 50 cy
	Ajaigarh		230	1 ph. A.C. 50 cy
	Chanderi		230	D.C. 2 Wire
	Guna			
	Kurwai			
	Rajgarh			
1-10	(a) Indore Division		22,000	3 ph. A.C. 50 cy
	Mhow		11,000	3 ph. A.C. 50 cy
			6,600	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
			460	D.C. 3 Wire
			230	D.C. 2 Wire
	(b) Power House Division, Indore. Indore.			

## MADHYA PRADESH—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. Phases, frequency etc.	
<b>BOARD—contd.</b>					
1-11	Jabalpur Division Amarkantak Khajuraho Kareli Mandla Shakdol	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Rampur, Jabalpur.	11,000 400 230 460 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire	
1-12	Korba Division  Korba		11,000 300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-13	Power House Division Nepanagar Nepanagar (Chandni)		11,000 6,600 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-14	Raipur Division  Jagdulpur Kanker Raipur		11,000 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire	
1-15	Satna Division  Manganj Panna Sidhi Satna Teonthar		400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire	
1-16	Sagar Division  Bina Bijawar Chattarpur Tikangarb		400 230 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 2 Wire	
1-17	Ujjain Division  Shujalpur		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-18	Itarsi Division  Harsud Itarsi Piparia		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
<b>COMPANIES</b>					
2	Alirajpur		The Alirajpur Electric Supply Co., Alirajpur	460 230	D.C. 3 Wire D.C. 2 Wire
3	Bilaspur		The Central India Electric Supply Co. Ltd., P.B. No. 9, Bilaspur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
4	Bhikangaon		The Proprietor, Mohan Talkies, Bhikangaon	230	D.C. 2 Wire
5	Chhindwara		The Chhindwara Electric Supply Co., Narsinghpur Road, Chhindwara.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## MADHYA PRADESH—conold.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>COMPANIES—contd.</b>				
6	Dewas (Senior)	The Dewas (Senior) Electric Supply Co. Private Ltd., Dewas Senior.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Harda	The Harda Electric Supply Co. Private Ltd., M/A. M/s. Damanjee Eduljee Cassinath, 17-19, Baston Road, Fort, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
8	Jubbulpur	The Jubbulpore Electric Supply Co. Ltd., M/A. M/s. Mar. in Burn Co. Ltd., Calcutta-1.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Katni	The Central India Electric Supply Co. Ltd., Katni	6,600 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Khilchipur	The Khilchipur Power House, Khilchipur ..	230	D.C. 2 Wire
11	Mandsaur	The Mandsaur Electric Supply Co., Mandsaur ..	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Ratlam	The Ratlam Electric Supply and Weaving Mills Co. Ltd., Ratlam.	460 230	D.C. 3 Wire D.C. 2 Wire
13	Sailana	The Sailana Electric Power House, Sailana	230	D.C. 2 Wire
14	Saugor	The Saugor Electric Supply Co., Ltd., M/A. M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
15	Sehore	The Sehore Electric Supply Co. Private Ltd., Sehore Cantt.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>MADRAS</b>				
<b>BOARD</b>				
1-1	Chingleput System	The Chief Engineer, Electricity, Madras State Electricity Board, 157, Mount Road, Madras.	11,000	3 ph. A.C. 50 cy
1-2	Madras System		11,000 6,000 400 230 450 250	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-3	Mettur System		22,000 11,000 6,600 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-4	Madurai System		11,000 400 240	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-5	Pykara System		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-6	Periyar Hydro System		11,000	3 ph. A.C. 50 cy
1-7	Tirunelveli System		11,000	3 ph. A.C. 50 cy

## MADRAS—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. Phases, frequency etc.	
<b>BOARD—contd.</b>					
1-8	Tiruchirapalli Electricity System.	The Chief Engineer, Electricity, Madras. State Electricity Board, 157, Mount Road, Madras.	110,000	3 ph. A.C. 50 cy	
			60,000	3 ph. A.C. 50 cy	
			22,000	3 ph. A.C. 50 cy	
			11,000	3 ph. A.C. 50 cy	
			6,600	3 ph. A.C. 50 cy	
			3,300	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
1-9	Vellore Electricity System.			33,000	3 ph. A.C. 50 cy
				22,000	3 ph. A.C. 50 cy
				11,000	3 ph. A.C. 50 cy
				400	3 ph. A.C. 50 cy
				230	1 ph. A.C. 50 cy
<b>MUNICIPALITIES</b>					
2	Coimbatore	The Commissioner, Coimbatore Municipality, Coimbatore.	11,000	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
3	Karur	The Commissioner, Karur Municipality, Karur, District Tiruchirapalli.	400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
4	Madurai	The Commissioner, Madurai Municipality, Madurai.	3,300	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
<b>COMPANIES</b>					
7	Kumbakonam .. ..	The Kumbakonam Electric Supply Corporation Ltd. M.A. The India Co. (Private) Ltd., Oriental Buildings, Armenian Street, Madras-1.	400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
8	Mayawaram .. .. Mannargudi .. ..	The South Madras Electric Supply Corporation Ltd. Post Box No. 67, Tiruchirapalli.	11,000	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
9	Nagapatam .. ..	The Nagapatam Electric Supply Co. Ltd., M/A The India Co. (Private) Ltd., Oriental Buildings, Armenian Street, Madras-1.	11,000	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
10	Salem-Erode .. ..	The Salem Erode Electricity Distribution Co., Ltd., M/A M/s. Octavious Street & Co. Ltd., 14, Old Court House Street, Calcutta-1.	22,000	3 ph. A.C. 50 cy	
			600	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
11	Shencottah .. ..	The Shencottah Electric Supply Agency, Shencottah.	11,000	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
12	Tirunelveli-Tuticorin .. ..	The Tirunelveli Tuticorin Electric Supply Co. Ltd., M/A M/s Octavious Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1.	22,000	3 ph. A.C. 50 cy	
			11,000	3 ph. A.C. 50 cy	
			3,300	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
13	Tiruchirapalli .. ..	The South Madras Electric Supply Corporation, Post Box No. 67, Tiruchirapalli.	22,000	3 ph. A.C. 50 cy	
			11,000	3 ph. A.C. 50 cy	
			3,300	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	
14	Vellore .. ..	The Vellore Electric Corporation Ltd., M/A M/s Chandrie & Co. (Private) Ltd., 20, Second Line Beach, Madras-1.	11,000	3 ph. A.C. 50 cy	
			400	3 ph. A.C. 50 cy	
			230	1 ph. A.C. 50 cy	

## MAHARASHTRA

Serial No.	Area or Town served/ System.	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		<b>BOARD</b>		
1-1	Akola (O&M) Division		400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 wire D.C. 2 wire
1-2	Amravati (O&M) Division Dharni		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-3	Aurangabad (O&M) Division.  Aurangabad Ashti Bhir Paithon Purli Vajjnath Vijapur		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-4	Ballarshah Power House Division		66,000 11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-5	Bhusawal (O & M) Division Amalner Chopda Dharamgaon Dondalcha Pachora	The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-6	Bhandera (O & M) Division			
1-7	Karad (construction-cum- O & M)			
1-8	Kolhapur (O & M) Division Gadhaiganj Kolhapur E.I. Radhanagiri		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-9	Khaperkheda Power House Division.		66,000 11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-10	Khamgaon (O & M) Division			
1-11	Kalyan (O & M) Division Jawahar		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-12	Koyna Power Project		6,600	3 ph. A.C. 50 cy

## MAHARASHTRA—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. Phases, frequency etc.	
		<b>BOARD—contd.</b>			
1-13	Nanded (O&M) Division Bhoom Degur Hingoli Jintur Kinwat Latur Manwath Murum Nanded Parbhani Partur Udgir	The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-14	Nagpur (O & M) Division		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-15	Nasik (Construction-cum-O & M)				
1-16	Panvel (O & M) Division		22,000	3 ph. A.C. 50 cy	
1-17	Paras Power House Division				
1-18	Poona (O & M) Division.		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-19	Ratnagiri (construction-cum-O & M) Malvan Ratnagiri Vengurla				
1-20	Stara (O & M) Division Akilu Bhatgar		2,000 400 230 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 2 Wire	
1-21	Sangli (O & M) Division		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-22	Wardha (O & M) Division				
1-23	Sholapur		The Station Superintendent, Sholapur Electric Undertaking, B & C Department, Sholapur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
			<b>MUNICIPALITIES</b>		
2	Bombay		The Bombay Electric Supply and Transport Undertaking (Municipal Corporation), B.E.S.T. House, P.B. No. 192, Bombay-1.	6,600 5,500 400 230 600 460 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 3 Wire D.C. 2 Wire
3	Chandore	The Engineer-in-charge, The Chandore Grampanchayat Electric Supply Department, Chandore, District Nasik.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	

## MAHARASHTRA—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>MUNICIPALITIES—contd.</b>				
4	Jamti	The Jamti Gram Panchayat, Jamti.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
5	Karjat	Karjat Bhisgaon Panchayat, Karjat, District Kolaba	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
6	Khandbara	The Secretary, Navapur Taluka Vidhyak Samiti, Khandbara, Distt. Dhulia (West Khandesh).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Kothure	The Sarpanch, Kothure Gram Panchayat, Taluka Niphad.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
8	Nandgoan	The Engineer-in-charge, The Municipal Power House, Nandgaon Municipality, Nandgaon, District Nasik.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Raver	The Electrical Engineer, Raver Municipal Power House, Raver.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Sangli	The Jubilee Electric Works (Sangli Nagarpalika Trust Property), Electric Power House, Sangli.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
11	Savantwadi	The Electrical Engineer, Savantwadi Municipality, Savantwadi.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Trimbak	The President, Trimbak Municipality, Trimbak, Distt. Nasik	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>COMPANIES</b>				
13	Ahmednagar	The Ahmednagar Electric Supply Co. Private Ltd., M/A. M/s. Nariman Sons Private Ltd., Power House, Station Road, Ahmednagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
14	Arvi	The Electrical Undertakings Ltd. (Arvi Branch), M/s. The Indian Engineering Syndicate, Mehta House, Apollo Street, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
15	Akalkot	The Vijayasingha Electric Supply Co., Akalkot.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
16	Aundh	The Light & Power Suppliers Ltd. (Aundh Branch), M/s. Industrial Service Ltd., Gumaste Building, 180, Budhwar Peth, Laxmi Road, Poona-2.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
17	Baramati	The Baramati Electric Supply Co. Private Ltd., Poonawala & Co., 915 Budhwar Peth, Poona-2.	460 230	D.C. 3 Wire D.C. 2 Wire
18	Barsi	The General Engineering Corporation Ltd., (Barsi Electric Supply), 60, Forbes Street, Temple Bazar Buildings, Fort, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
19	Bassein	The Bassein Electric Supply Co. Ltd., M/A. M/s. J.B. Maneckji & Co., Mehta House, Apollo Street, Fort, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
20	Belapur Road & gaon.	The Belapur Road & Kopergaon Electric Supply Co. Ltd., Shriampur, District Ahmednagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
21	Bhiwandi	The Amalgamated Electricity Co. Ltd., (Bhiwandi Branch) M/A. M/s. N.C. Javeri, & Co., Post Box No. 879, 17-B, Horniman Circle, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy



## MAHARASHTRA—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>COMPANIES—contd.</b>				
22	Bhusawal	The Amalgamated Electricity Co. Ltd., (Bhusawal Branch) M/A. M/s. N.C. Javeri & Co. Post Box No. 879, 17-B, Horniman Circle, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
23	Bhor	Thopte Electric Supply Co. Private Ltd. (Bhor Branch), M/s. Thopte Patel and Co., Nana Bhavan, 1194/20 Ghole Road, Poona-4.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
24	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 No. 109, Bombay-1.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
25	Belapur Town	The Belapur & Kopergaon Electric Supply Co. Ltd., Belapur Town, Distt. Ahmednagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
26	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.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
27	Dhanu Road	The Dhanu Road People's Cooperative Electric Supply Society Ltd., Dhanu Road, District Thana.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
28	Dhulia	The Dhulia Electric Supply Co. Private Ltd., M/A. M/s. Godbole Kane & Co. P.B. No. 36, Dhulia.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
29	Dhond	The Dhond Electric Supply Co., Dhond.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
30	Gondia	The Gondia Electric Supply Co. Ltd., M/s. Sugni Chaman Dass Jotwani & Co., Gondia.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
31	Ichalkaranji	The Ichalkaranji Electric Supply Co., Ichalkaranji (Distt. Satara).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
32	Igatpuri	The Igatpuri Electric Supply Co., M/A. M/s. Pandit & Co., 15, Forbes Street, Fort, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
33	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.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
34	Junnar	The Junnar Electric & Water Supply Co. Ltd. M/A. M/s. Thopte Patel & Co., 'Nana Bhavan' 1194/20, Ghole Road, Poona-4.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
35	Karad	The Karad Electric Supply Co. Private Ltd., Karad.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
36	Kurundwad	The Kurundwad Electric Supply Co. Ltd., Kurundwad (Distt. Kolhapur).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
37	Koregaon	The Allied Electric Agencies Private Ltd., Power House, Koregaon (North Satara).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
38	Karmala	The Karmala Electric Supply Co., Station Road, Pandharpur	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
39	Lonavala-Khandala	The Lonavala-Khandala Electric Supply Co. Ltd., Lonavala.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## MAHARASHTRA—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>COMPANIES—contd.</b>				
40	Lasalgaon	The Lasalgaon Cooperative Electric Supply Society Ltd., Lasalgaon, Distt. Nasik.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
41	Mangalwada	Shri Ganta Chokha Electric Supply Co., Mangalwada.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
42	Madhavnagar	The Madhavnagar Electric Supply Co. Ltd., Madhavnagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
43	Mahabaleshwar	The Mahabaleshwar Electric Supply Co., M/A. M/s. Panchgani Electric Supply Co., Ltd., 96, Dancan Road, Byculla, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
44	Mahad	The Mahad Electric Supply Co. Ltd., Mahad (Distt. Kolaba).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
45	Malegaon	The Amalgamated Electricity Co. Ltd., (Malegaon Branch), M/A. M/s. N.C. Javeri & Co., Post Box No. 879, 17/B, Horniman Circle, Fort, Bombay-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
46	Matheran	The Matheran Electric Supply Co. Ltd., Mehta House, Apollo Street, Fort, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
47	Miraj	The Miraj Electric Supply Co. Ltd., Miraj (South Satara).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
48	Nagpur	The Nagpur Electric Light and Power Co. Ltd., Civil Lines, Post Box No. 2, Nagpur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
49	Nandurbar	The Nandurbar Electric Supply Co. Ltd., M/s. K.S. Guzdar & Co., Alli Chambers, 4 BC-Dean Lane, Fort, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
50	Nasarapur	The Nasarapur Electric Supply Co., Prop. N.S. Chakke, 649, Shanwar Peth, Poona-2.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
51	Nasik Deolali	The Nasik Deolali Electric Supply Co. Ltd., M/A. The Rajputara Textile (Agencies) Ltd., Esplanade Mansions, 144-146, Mahatma Gandhi Road, Fort, Bombay-1.	5,600 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
52	Nira Lonand	The Nira-Lonand Electric Supply Co., M/A. M/s. Thopte Patel & Co., 'Nana Bhavan', 1194/20, Ghole Road, Poona-4.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
53	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.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## MAHARASHTRA—conold.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or C.D. Phases, frequency etc.
COMPANIES—conold.				
54	Panchgani	The Panchgani Electric Supply Co., 96, Duncan Road, Byoulla, Bombay.	460 230	D.C. 3 Wire D.C. 2 Wire
55	Pandharpur	The Pandharpur Electric Supply Co., Station Road, Pandharpur.	460 230	D.C. 3 Wire D.C. 2 Wire
56	Panvel-Taluka	The Panvel Taluka Electrical Development Co. Ltd. M/A. M/s. Bantia Brothers Kesar Baug, Panvel.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
57	Sailu	The Proprietor, Sailu Electric Supply Co., Sailu (Central Railway), District Parbhani.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
58	Sangamner	The Sangamner Electric Supply Co. Ltd., M/A. M/s. Penta & Co., Sangamner, Distt. Ahmednagar.	460 230	D.C. 3 Wire D.C. 2 Wire
59	Satara	The Satara Electric Supply Co. Private Ltd., 217, Partagganj Peth, Satara City.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
60	Shirpur	The Shirpur Electric Supply Co. Ltd., Shirpur (East Khandesh)	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
61	Sinnar	The Sinnar Electric Supply Co. Ltd., M/A. M/s. Deshpande Co. Sinnar (District Nasik).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
62	Shirwal	Thopte Electric Supply Co. Private Ltd., (Shirwal Branch), M/s. Thopte Patel & Co., 'Nana Bhavan', 1194/20, Ghole Road, Poona-4.	400 230	3 ph. A.C. 50 cy. 1 ph. A.C. 50 cy.
63	Tata Hydro	The Tata Hydro Electric Agencies Ltd., Bombay House, 24, Bruce Street, Fort, Bombay.	110,000 22,000 6,600	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
64	Tasgaon	The Tasgaon Electricity General Cooperative Society Ltd., Tasgaon (District Satara).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
65	Thana	The Thana Electric Supply Co., Private Ltd., Court House, (4th floor), Carnac Road, Dhobi Talao, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
66	Vita	The Co-operative Electric Supply Society Ltd., Vita (South Satara).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
67	Wardha	The Nagpur Electric Light and Power Co. Ltd., Wardha Branch, Civil Lines, Post Box No. 2, Nagpur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## MYSORE

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		<b>BOARD</b>		
1	Mysore State Electricity Board.  (a) Hydro Power Stations.  1 Bhadra 2. Jog 3. Munirabad 4. Sivasamundram 5. Shimshapura  (b) Thermal Power Stations. Ghataprabha Gas turbine Bangalore  Diesel Stations,  Alland Bidar Bailhongal Bhalki Bijapur Chincholi Chittrapur Guledgud Gulbarga Gonikkopal Hukeri Humnabad Ilkal Khushtagi Mangalore Mercara Raichur Shorapur Somwarpet Virajpet Yadgir	The Chief Engineer, (Electricity) Mysore State Electricity Board, Post Bag No. 16, Bangalore-1.	110,000 66,000 33,000 11,000 4,600 3,300 400 230 13,200 4,600 3,300 3,000	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy 3 ph. A.C. 25 cy 3 ph. A.C. 25 cy 3 ph. A.C. 25 cy 3 ph. A.C. 25 cy
		<b>COMPANIES</b>		
2	Athni	The Light and Power Suppliers Ltd., (Athni Power House), M/A. Industrial Service Ltd., Gumaste Buildings, 180, Budhwar Peth, Laxmi Road, Poona-2.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
3	Bagalkot	Shri Venkatesh Power Works Ltd., Shrimant K. S. Sardesai, Bagalkot.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## MYSORE—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>COMPANIES—contd.</b>				
4	Belgaum	The Amalgamated Electricity Co. Ltd., (Belgaum Branch) M/A. M/s. N.C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Fort, Bombay.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy.
5	Byadgi	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
6	Dharwar	The Dharwar Electric Supply Co. Ltd., M/A. The A.E. Co.'s, Post Box No. 5, Dharwar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Gadag	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	440 230	D.C. 3 Wire D.C. 2 Wire
8	Haveri	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Jamkhandi	The Electric Power Supply Private Ltd., Jamkhandi, District, Bijapur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Karwar	The Karwar Electric Supply & Trading Co. Ltd., Karwar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
11	Khannapur	The Khannapur Co-operative Electricity Society Ltd., Khannapur, District Belgaum.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Nipani	The Nipani Electricity Co. Private Ltd., Dharwar, Nipani, District Belgaum.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
13	Ramdurg	The Madhav Pratap Electric Supply Co., Ramdurg.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
14	Ranebenur	M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
15	Sirsi	The Kanara Electric Supply Co. Ltd., Sirsi (North Kanara).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>NAGALAND</b>				
	Nagaland			
1	Dimapur	The Executive Engineer Kohima Electrical Division, Kohima, (Nagaland).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
2	Kohima			
3	Mokokehung			
4	Mor			
5	Tuensang			
6	Wokha			
7	Zunhebots			

## ORISSA

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. Phases, frequency etc.	
		<b>BOARD</b>			
1-1	Balasore Electrical Division  Anandpur Chandbali Jaleswar Keonjhar	The Chief Engineer, Orissa State Electricity Board, Bhubaneswar.	400 230 440 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire	
1-2	Balimela Construction Power Division, Jeypore  Balimela Hydro Power House Colony Balimela Dam Colony				
1-3	Balimela Talchar T.L.C. Division, Bhubaneswar.				
1-4	Balimela Talchar T.L.C. Division No. II, Jeypore.				
1-5	Electrical Construction Division, Bargarh.				
1-6	Transmission Line Construction Division, Berhampur.  Baudh Phulabani Surada Udayagiri			11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-7	Bolangir Electrical Division Bhawanipatra Deogarh Khariar Road Padampur Titilagarh			400 230 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 2 Wire
1-8	Transmission Line Distri- bution No. II, Burla.				
1-9	Cuttack Electrical Divisor  Choudwar Jobra			11,000 3,300 400 230 460 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-10	City Distribution Division Cuttack.				
1-11	Electrical Construction Division No. I, Cuttack.			400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## ORISSA—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>BOARD—contd.</b>				
1-12	Duduma Transmission Division, Seriguda.	The Chief Engineer, Orissa State Electricity Board, Bhubaneswar.	11,000	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-13	Ganjam Electrical Division, Khalikote.			
1-14	Hirakud Dam Project			
			11,000	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-15	Transmission Line Division No. I, Joda.			
1-16	Transmission Line Construction Division, Khurda.			
1-17	Puri Electrical Division, Bhubaneswar			
	Daspala		11,000	3 ph. A.C. 50 cy
	New Capital		2,300	3 ph. A.C. 50 cy
	Bhubaneswar Nayagarh		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-18	Sundergarh Electrical Division			
	Rajgangpur		132,000	3 ph. A.C. 50 cy
			33,000	3 ph. A.C. 50 cy
		11,000	3 ph. A.C. 50 cy	
		400	3 ph. A.C. 50 cy	
		230	1 ph. A.C. 50 cy	
<b>PUNJAB</b>				
1-1	Nangal Hydrel Scheme	The Chief Engineer, Punjab State Electricity Board, Patiala.	132,000	3 ph. A.C. 50 cy
	(a) <i>Hydro Power Stations</i>		33,000	3 ph. A.C. 50 cy
			11,000	3 ph. A.C. 50 cy
			3,300	3 ph. A.C. 50 cy
	Belling Nullah		400	3 ph. A.C. 50 cy
	Bhakra Left Bank		230	1 ph. A.C. 50 cy
	Ganguwal			
	Kotla			
	(b) <i>Thermal Power Stations</i>			
	Faridabad			
	Nangal			
	Surajpur			
	Yamunanagar			

## PUNJAB contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
	(c) Diesel Power Stations	BOARD—contd.		
	Abohar Bahadurgarh Chandigarh Dalhousie Faridabad Faridkot Fazilka Hoshiarpur Jullundur Kandaghat Kasauli Moga Panipat Rupar Sangrur Sonapat Yadvindra	The Chief Engineer, Punjab State Electricity Board, Patiala.		
1-2	Uhl River Scheme  Shanan			11,000 400 230
		MUNICIPALITIES		
2	Amritsar	The Chief Electrical Engineer, Amritsar Municipal Committee, Amritsar.	400 230 440 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
3	Simla	The Chief Electrical Engineer, Municipal Committee, Simla-1.	2,200 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
		COMPANIES		
4	Ambala Cantt.	The Ambala Cantonment Electric Supply Corporation Ltd., M/A. M/s. L. Kidarnath Ltd., Ambala Cantt.	440 220	D.C. 3 Wire D.C. 2 Wire
5	Jagadhri	The Jagadhri Electric Supply & Industrial Co. (Private) Ltd., Jagadhri.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
6	Kaithal	The Kaithal Electric Supply Co. Ltd., Kaithal (District Karnal).	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Loharu	The Loharu Electric & Water Supply Co. (Private) Ltd., P.O. Loharu, District Hissar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
8	Malerkotla	The Malerkotla Power Supply Co., Proprietor M/s. Bhagwan Dass & Sons, Malerkotla.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Rewari	The Rewari Electric Supply & General Industries Ltd., Rewari.	3,300 400 230	3 ph. AC. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Rohtak	The South Punjab Electricity Corporation Private Ltd., (Rohtak Branch), Rohtak.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
11	Sirsa	The Sirsa Electric Supply Co., c/o. The Lal Chand Minda, Sirsa.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy



## RAJASTHAN

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		<b>BOARD</b>		
1-1	Bharatpur Division : Bharatpur Dholpur Karauli Todabhim	The Chief Engineer, Rajasthan State Electricity Board, Jaipur.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-2	Bhilwara Division : Bhilwara Bijainagar Chittorgarh Jobner Kapasin Kekri Kishangarh Kuchaman Shahpura		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-3	Bikaner Division, Bikaner		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-4	Churu Division, Nawalgarh Sikar.			
1-5	Generation Division : Jodhpur Jodhpur Old P.H. Jodhpur New P.H.			
1-6	District Division, Jodhpur Bilera Falna Jaisalmer Jalore Nagaur Phalodi Pali Sumerpur Sirohi		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-7	Generation Division, Jaipur  Jaipur Old P.H. Nullah Power House.			
1-8	District Division, Jaipur Alwar Deoli Malpura Newai Tonk		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
1-9	City Division, Kota		11,000	3 ph. A.C. 50 cy
1-10	District Division, Kota Bundi Chabra Jhalawar			

## RAJASTHAN—contd.

Serial No.	Area or Town served System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		<i>BOARD—contd.</i>		
1-11	Ratangarh Division Deedwana Ladnun Ratangarh	The Chief Engineer, Rajasthan State Electricity Board, Jaipur.	400	3 ph. A.C. 50 cy
1-12	Sriganganagar Division		230	1 ph. A.C. 50 cy
1-13	Udaipur Division Dungarpur Kankroli Kushalgarh Sagwara Partapgarh		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
		<b>MUNICIPALITIES</b>		
2	Barmer	The Chairman, Municipal Board, Barmer ..	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
3	Balotara	The Chairman, Municipal Board, Balotara ..	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
4	Baran	The Chairman, Municipal Board, Baran (Kota) ..	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
5	Merta	The Chairman, Municipal Board, Merta City ..	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
6	Nasirabad	The Cantonment Executive Officer, Power House, Nasirabad.	460	D.C. 3 Wire
			230	D.C. 2 Wire
7	Nainwa	The Chairman, Municipal Board, Nainwa ..	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
8	Suratgarh	The Chairman, Municipal Board, Power House, Suratgarh.		(Power House closed)
		<b>COMPANIES</b>		
9	Abu Mount	The Mount Abu Electric Supply Co., Lothian Power House, Mount Abu.	400	3 ph. A.C. 50 cy
			230	3 ph. A.C. 50 cy
10	Abu Road	The Abu Road Electricity & Industries Co. Ltd. M/A. M's. Acharya Yodha & Co., Abu Road.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
11	Ajmer	The Amalgamated Electricity Co. Ltd., (Ajmer Branch), M/A. M's. N.C. Javeri & Co. P.O. Box No. 879, 17-B, Horniman Circle, Fort, Bombay.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
			440	D.C. 3 wire
			220	D.C. 2 wire
12	Banswara	The Banswara Electric Supply Co., Prop. Haji Mulla Rasoolbhai, Mulla Abdul Hussain & Bros. Banswara.		(Power house closed)
13	Pilani	The Pilani Industrial Corporation Ltd., Pilani.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
14	Rajgarh (Alwar)	The Rajgarh Electric Supply Co., Proprietor The Bharat Electrical and Industrial Corporation Ltd., Rajgarh (Alwar.).	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
15	Surajgarh	The Secretary, Jivan Mandi Vyapar Samiti, Vishnunagar, Surajgarh.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
16	Udaipur	The Maharana Bhupal Electric Supply Co. Ltd., Udaipur.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy

## UTTAR PRADESH

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		<b>BOARD</b>		
1-1	Hydel Division, Aligarh Aligarh Sumnera Sudamapuri Tundla	The Chief Engineer (Hydel), Uttar Pradesh State Electricity Board, Lucknow.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-2	Hydel Division Azamgarh Mau		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-3	Hydel Division, Budaun Chandausi		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-4	Hydel Division, Bullandshahar Ghaziabad Palra		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-5	Hydel Distribution Division, Balrampur Balrampur		400	3 ph. A.C. 50 cy
1-6	Hydro Electric Division Bareilly Bageshwar		11,000 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-7	Hydel Yamuna Plant Division, Dehra Dun			
1-8	Hydel Division, Faiza- bad Sohwal		6,600 400 230 460 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-9	Hydel Division, Gonda Bahraich		440 220	D.C. 3 Wire D.C. 2 Wire
1-10	Hydel Division, Gorakh- pur Gorakhpur		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-11	Operation and Mainte- nance Circle, Harduaganj (Aligarh) Harduaganj (Old) Harduaganj (Now)		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-12	Hydel Distribution Divi- sion, Jhansi.		3,300 400	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
1-13	Matatila Division, Jhansi Matatila			
1-14	Hydel Division, Kanpur Banda Maurantpur Mohoba		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## UTTAR PRADESH—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. Phases, frequency etc.	
<b>BOARD—contd.</b>					
1-15	Hydel Generation Division Lohia-Head Khatima Lohia-Head	The Chief Engineer (Hydel) Uttar Pradesh State Electricity Board, Lucknow.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-16	Hydel Division, Main- puri Mainpuri		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-17	Hydel Division Meerut Bhola Chitaura Meerut Salawa		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-18	Hydel Division, Moradabad Moradabad		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-19	Rihand Hydel Plant Division Pipri Rihand		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-20	Rihand Hydel Division, Varanasi Bhadohi		400	3 ph. A.C. 50 cy	
1-21	Hydel Division, Rampur Rampur		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-22	Hydel Division, Roorkee Dhakrani Laksar Mohammedpur Nirgajni Pathri Saharanpur Tehri		400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire	
1-23	Hydel Division, Shahja- hanpur				
1-24	Hydel Division, Sitapur		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-25	Hydel Division, Sultan- pur				
1-26	Kanpur		The Kanpur Electricity Supply Administration, KESA House, P.B. No. 141, Kanpur.	6,600 400 230 450 225	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
<b>MUNICIPALITIES</b>					
2	Almora		The Electrical and Water Works Engineer Municipal Board, Almora.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
3	Haldwani		The Electrical and Municipal Engineer, Municipal Board, Haldwani-cum-Kathgodam, Haldwani.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
4	Hardwar	The Electrical and Water Works Engineer Municipal Board, Hardwar Union, Hardwar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
5	Kasganj	The Electrical Engineer, Municipal Electric Supply Kasganj.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
6	Khurja	The Electrical Engineer, Municipal Electric Supply, Municipal Board, Khurja.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	

## UTTAR PRADESH—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>MUNICIPALITIES—contd.</b>				
7	Lalitpur	The Municipal Electric Supply Undertaking, Lalitpur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
8	Meerut	The Electrical Engineer, Municipal Board, Meerut.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
9	Muzaffarnagar	The Electrical Engineer, Municipal Board, Muzaffarnagar.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Mussoorie	The President, Mussorie Dehra Hydro Electric Undertaking, City Board, Mussorie.	300 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
11	Nainital	The Electrical & Mechanical Engineer, Municipal Board, Nainital.	380 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Roorkee	The President, Municipal Board, Roorkee ..	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
13	Rishikesh	The President, Municipal Board, Rishikesh ..	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
14	Unnao	The Electrical & Water Works Engineer, Municipal Board, Unnao.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
<b>COMPANIES</b>				
15	Aligarh	The Aligarh Electric Supply Co. Ltd., M/A M/s. Jain & Co. (Private) Ltd., Udai Singh Jain Road, Mathure.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
16	Agra	The Agra Electric Supply Co. Ltd., M/A M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1.	6,600 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
17	Allahabad	The U. P. Electric Supply Co. Ltd., (Allahabad Branch), M/A M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1.	11,000 3,300 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
18	Banaras	The Banaras Electric Light & Power Co. Ltd. M/A M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1	33,000 11,000 6,600 3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
19	Bareilly	The Bareilly Electric Supply Co. Ltd., M/A M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1.	3,300 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
20	Bharaich	The Balrampur Electric Supply Co. (Private) Ltd., Balrampur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
21	Balrampur	The Balrampur Electric Supply Co. (Private) Ltd., Balrampur.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## UTTAR PRADESH—concl'd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
MUNICIPALITIES—concl'd.				
22	Barabanki	The Barabanki Electric Supply Co. Ltd., M/A. The Progressive Industries, Barabanki.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
23	Budaun	The Kishore Electric Supply Corporation C/o Kishore Chand Shiv Charan Lal, Budaun.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
24	Etah	M's. Seth Ram Gopal & Partners Electricity Suppliers, Etah.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
25	Etawah	The Western United Provinces Electric Power and Supply Co. Ltd., M/A. M's. Alopi Prashad and Sons Private Ltd., P. B. No. 1097, Kashmere Gates Delhi-6.	11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
26	Farrukhabad	The Farrukhabad Electric Supply Co. Ltd., M/A. M's. Radheshyam & Brothers, Fategarh.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
27	Faizabad	The Faizabad Electric Licensee (1933) C/o The British Insulated Cables Ltd., 116, Station Road, Faizabad.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
28	Gonda	The Balrampur Electric Supply Co. Private Ltd., Balrampur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
29	Jaunpur	The Jaunpur Electric Licensees (1934) C/o The British Insulated Cables Ltd., Jaunpur.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
30	Kosikalan	The Kosi Electric Supply Co., Kosikalan, District Mathura.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
31	Lucknow	The United Provinces Electric Supply Co. Ltd., (Lucknow Branch), M/A M's. Martin Burn Ltd., 12, Mission Row, Calcutta-1.	11,000 6,600 3,000 400 230 440 220	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
32	Mathura	The Resident Engineer, The Mathura Electric Supply Co. Ltd., Mathura.	3,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
33	Mirzapur	The Mirzapur Electric Supply Co. Ltd., Mirzapur.	3,300 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
34	Pilibhit .. ..	The Pilibhit Electric Supply Co. Private Ltd., M/A M's. Manmohan Lal and Sons (Private) Ltd. Pilibhit.	400 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
35	Rai Bareilly Pratapgarh, Sultanpur, Bachrawan, Maharajganj, Salon & Jais.	The Commercial Officer, The Rohtak and Hissar Districts Electric Supply Co. Ltd., 5, Prayag Street, Allahabad-2.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
36	Sadabad .. ..	The Sadabad Electric Supply Co., c/o M/s. M.N. Bhargava & Brothers, Sadabad.	400 230 400	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy 3 ph. A.C. 50 cy
37	Saharanpur .. ..	The Saharanpur Electric Supply Co. Ltd., Ramnagar (Pathanpura Street), P.B. No. 16, Saharanpur.	230 440 220	1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
38	Shahjahanpur .. ..	The Shahjahanpur Electric Supply Co. Ltd. M/A M's. Octavious Steel & Co. Ltd., 14, Old Court House Street, P.B. No. 51, Calcutta-1.	3,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
39	Upper Jamuna Valley	The Upper Jamuna Valley Electricity Supply Co. Ltd., M/A M's. Martin Burn Ltd., 12, Mission Row, Calcutta.	400 230 440	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire
40	Vrindaban .. ..	The General Engineering Co. Electricity Supplier, Vrindaban.	220 400 230	D.C. 2 Wire 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

## WEST BENGAL

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>BOARD</b>				
1-1	Barrackpore Division	The Chief Engineer, West Bengal State Electricity Board, New Secretariat Buildings, (7th Floor), 1, Hastings Street, Calcutta-1.	11,000	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-2	Burdwan Division		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-3	Gourepur		6,600	3 ph. A.C. 50 cy
			3,300	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-4	Howrah Division		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-5	Krishnagar Division Karimpur Nimtila		11,000	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-6	Kharagpur Division Contai Digha		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1-7	Siliguri Division Bajanbari Birpara Balurghat Changrabandha Cooch Behar Harishchandrapur Haldibari Kurseong Rajgunj Mal Mathabhanga Malda Old Malda Siliguri		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
			440	D.C. 3 Wire
		220	D.C. 2 Wire	
1-8	Suri Division	400	3 ph. A.C. 50 cy	
		230	1 ph. A.C. 50 cy	
1-9	Massanjore .. ..	The Assistant Engineer, Massanjore Hydel Power Station, P.O. Massanjore Distt. Santhal Parganas.	33,000	3 ph. A.C. 50 cy
			11,000	3 ph. A.C. 50 cy
<b>MUNICIPALITIES</b>				
2	Darjeeling .. ..	The Chairman, Darjeeling Municipality Electrical Department, Darjeeling.	6,600	3 ph. A.C. 50 cy
			400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
<b>COMPANIES</b>				
3	Andul Mouri .. ..	The National Power Supply Corporation Ltd., (Andul Mouri Branch), 23-B, Allenby Road, Calcutta-20.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
4	Asansol .. ..	The Asansol Electric Supply Co. Ltd., M/A. M/s. Bengal Trust Ltd., G.T. Road, Asansol.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
5	Bankura .. ..	The West Bengal Power Supply Co. Ltd., M/A. M/s. B. N. Elias & Co. (P) Ltd., National Tobacco Buildings 1 & 2, Old Court House Corner, Calcutta-1.	400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy

## WEST BENGAL—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>COMPANIES—contd.</b>				
6	Bansberia .. ..	The East India Electric Supply & Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
7	Barakar .. ..	The Barakar Electric Supply Co., Licensee, Babu Hari Ram Agarwala, P.O. Bharkar, District Burdwan.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
8	Berhampur .. ..	The Berhampur Electric Supply Co. Ltd., M/A M/s. S.C. Nag & Co., Berhampur, P.O. Khagra, Distt. Murshidabad.	400 230 440 220	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
9	Bhatpara .. ..	The Riverside (Bhatpara) Electric Supply Co. Pri- vate Ltd., M/A. M/s. Development of Industries (India) Ltd., 135, Princep Street Calcutta-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
10	Bongaon .. ..	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. 50 cy 1 ph. A.C. 50 cy
11	Chandernagore	The Chandernagore Electric Supply Co. Private Ltd., M/A. M/s. S. Bhur Jr. 20, Park Street, Calcutta-16.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
12	Calcutta .. ..	The Calcutta Electric Supply Corporation Ltd., Vic- toria House, Calcutta-1.	33,000 22,000 6,600 3,300 400 230 450 225	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
13	Dishergarh .. ..	The Dishergarh Power Supply Co. Ltd., Central Office, Sanctoria, P.O. Dishergarh, District Burd- wan.	11,000 3,300 550	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
14	Durgapur (Coke Oven)	The General Superintendent Durgapur Projects Ltd., Durgapur Projects Power Station, Durgapur.	11,000 6,000	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
15	Hooghly Chinsura ..	The East India Electric Supply and Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
16	Jalpaiguri .. ..	The Jalpaiguri Electric Supply Co. Ltd., M/A. M/s. Indo Swiss Trading Co. (P) Ltd., Kent House, 14, Ganesh Ch. Avenue, Calcutta-13.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
17	Joynagar Majilpur ..	The Joynagar-Majilpur Electric Supply Co. Ltd., 135, Canning Street, Calcutta-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
18	Jamuria .. ..	The Jamuria Electric Supply Co., M/A. M/s. Bengal Trust Ltd., G.T. Road, Asansol.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
19	Kalimpong .. ..	The Kalimpong Electric Supply Co. Ltd., 16, Ganesh Ch. Avenue, Calcutta-13.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
20	Krishnagar .. ..	The West Bengal Power Supply Co. Ltd., M/A. M/s. B. N. Elias & Co. (P.) Ltd., Norton Buildings, 1 & 2 Old Court House Corner, Calcutta.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
21	Midnapur .. ..	The West Bengal Power Supply Co. Ltd., M/A. M/s. B. N. Elias and Co. (P) Ltd., National Tobacco Building, 1 & 2 Old Court House, Corner, Calcutta.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy



## WEST BENGAL—concl'd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
<b>MUNICIPALITIES—cont'd.</b>				
22	Nababwip .. ..	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.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
23	Naihati .. ..	The National Electric Supply Co. Ltd., M/A. M/s. Sanyal & Co., 309, Bowbazar Street, Calcutta-12.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
24	Purulia .. ..	The Purulia Electric Supply Corporation Ltd., M/A. M/s. The Purulia Trading Co. Private Ltd., Purulia.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
25	Raneegunj .. ..	The Raneegunj Electric Supply Co. Ltd., M/A. M/s. Industries and Power Development Private Ltd., Western Block, 1st floor, 40-1, Mahatma Gandhi Road, Calcutta-9.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
26	Seebpore .. ..	Associated Power Co. Ltd. (Seebpore Power House) Central Office, Sanctoria P.O. Dishergarh, Distt. Burdwan.	11,000 3,300 550	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
27	Tarakeshwar .. ..	The Tarakeshwar Electric Supply Co. Ltd., 9, Lal-bazar Street, Calcutta-1.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
28	Vishnupur .. ..	The Vishnupur Electric Supply & Industrial Development Co. Ltd., 23-B, Allenby Road, Calcutta-20.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy

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