

**PUBLIC ELECTRICITY SUPPLY
ALL INDIA STATISTICS**

1964-65

GENERAL REVIEW

**CENTRAL ELECTRICITY AUTHORITY
MINISTRY OF IRRIGATION & POWER
GOVERNMENT OF INDIA**

FOREWORD

A general review of the progress and development in the Public Electricity Supply and the salient features thereof for 1964-65 are summarised and presented in this publication. While following the same pattern as in the review for the previous year, it has been possible to make further improvements in some of the tables.

The Central Electricity Authority is very thankful to the various organisations in the public and private sectors of the power supply industry, who have supplied the data for compilation of this Review. But for the late receipt of data from some of the organisations, this Review could have been published earlier. The importance and utility of a statistical publication of the nature of this Review demand its publication as early as possible after the completion of the year to which it relates. In this direction, the co-operation and help of all the participating organisations is solicited to ensure that complete data is forwarded to this Authority as soon as possible after the completion of the year to which it pertains.

All efforts have been made to ensure accuracy of the information contained in this Publication. But the Central Electricity Authority does not accept any responsibility for any possible errors or omissions therein.

The Authority records its appreciation of the assistance rendered by the officers of the Central Water & Power Commission (Power Wing) in the compilation of this Review.

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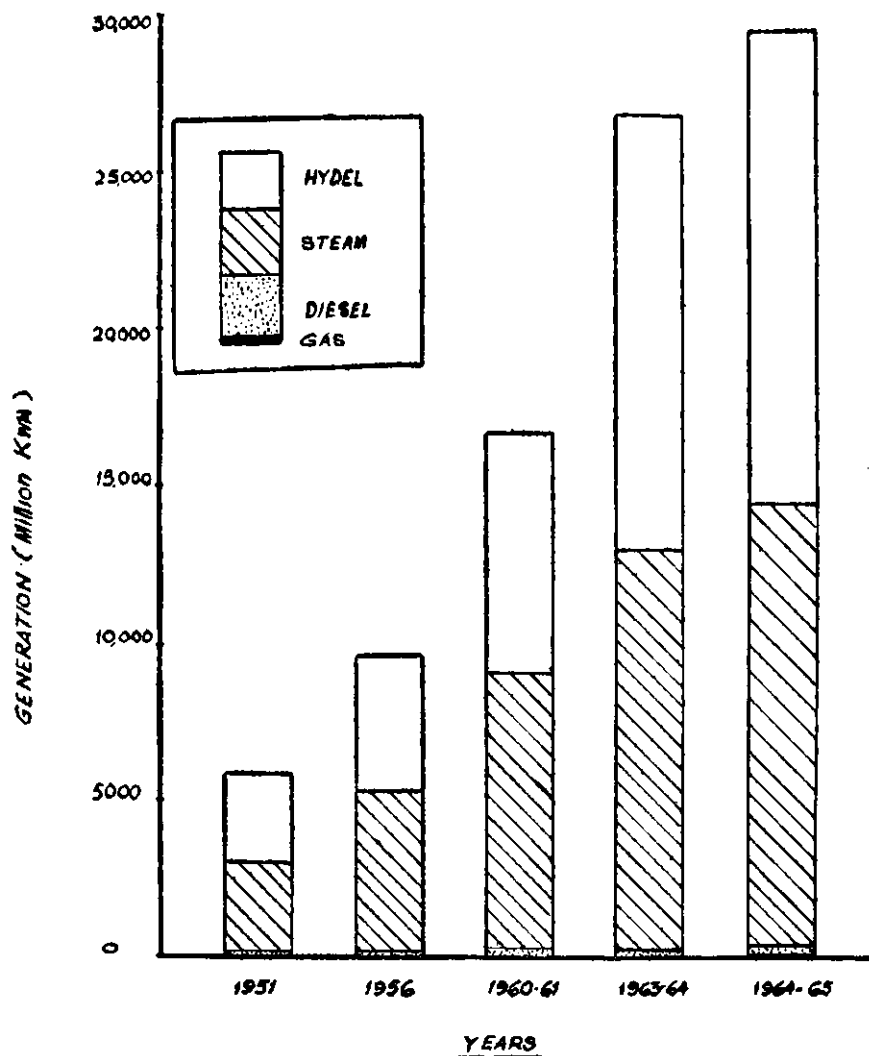
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PROGRESS OF POWER GENERATION
IN THE COUNTRY



PUBLIC ELECTRICITY SUPPLY—ALL INDIA STATISTICS 1964-65

GENERAL REVIEW

1. GENERAL POWER SUPPLY POSITION

The total installed plant capacity as at the end of the year under review was 7,397,881 kW (including 136,000 kW of plant in the Chola Power Station of the Central Railway and 256,000 kW of plant in the Neyveli Power Station). The net addition to generating capacity during the year was 821,942 kW, which represents an increase of 12.5 per cent of the installed plant capacity in the previous year. The total power generated by all the undertakings was 29,563 million kWh and the quantum of power purchased from outside sources was 28,572 million kWh. After providing for power consumption in the station auxiliaries, and for losses in transformation, transmission and distribution and the energy unaccounted for, the net power sold was 24,219 million kWh. The increase in the sales during the year was 2,425 million kWh equivalent to an increase of 11.1 per cent over the net sales in the previous year (including 278 million kWh of traction sales from Chola Power Station and 137 million kWh consumed by Neyveli Lignite Corporation in 1963-64).

The salient features of the Electric Power Supply Industry in India for the year 1951, 1956, 1960-61, 1963-64 and 1964-65 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 270. Out of these undertakings 102 (classified as generating undertakings) were engaged in the generation and sale of power and the remaining 168 (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) State Electricity Board/Government	18 .	5	23
(b) Power Corporation	1 .	.	1
(c) Municipality	18 .	34 .	52
SUB-TOTAL	37 .	39 .	76
<i>(ii) Private Sector—</i>			
Company	65 .	129 .	194
TOTAL	102 .	168 .	270

During the year under review, twenty six undertakings (as in Table 2) were acquired by the State Electricity Boards and one by the Government of Goa, Daman & Diu. No new undertaking started functioning during the year under review. Two undertakings in Gujarat have stopped functioning. The Chola Power Station of Central Railway which was considered as non-utility (Railway) in 1963-64 is again being considered under public utilities. The thermal power station of the Neyveli Lignite Corporation Ltd., hitherto reckoned under selfpower 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 in this Table.

A large number of company-owned undertakings were operating in Maharashtra (51), Gujarat (33), West Bengal (26) and Uttar Pradesh (19). In other States, their number was 13 or less, each. In Andhra Pradesh, Jammu & Kashmir, Nagaland, Orissa and Union Territories (except Goa, Daman & Diu and Pondicherry) there were 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 7,397,881 kW and 29,563 million kWh respectively at the end of the year as per details shown below :

	Total installed capacity (kW)	Generation (Million kWh)
State Electricity Board/Government	5,017,053	19,310.471
Power Corporation	664,000	2,999.562
Municipalities	194,911	353.539
Companies	1,581,917	6,899.507
TOTAL	7,397,881	29,563.079

2.3. *Additions to Generating Plant Capacity.*—During the year, 922,639 kW of generating capacity was added and 100,697 kW of plant capacity was withdrawn, resulting in a net increase of 821,942 kW. The installed capacity of 136,000 kW in Chola Power Station of the Central Railway which was included under Railways in the previous Review for 1963-64 is again shown under public utilities.

The aggregate plant capacity added in the different States was as follows :

	Steam (kW)	Gas Turbine Diesel (kW)	Hydro (kW)	Total
Andhra Pradesh	2,500	4,367	27,000	33,967
Assam . . . . .	..	26,388*	18,000	44,388
Bihar . . . . .	..	381	..	381
Gujarat	127,000	4,343	..	131,343
Jammu & Kashmir . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Madhya Pradesh	60,000	5,548	..	65,548
Madras	50,000	..	81,900	131,900
Maharashtra	60,000	6,849	..	66,849
Mysore . . . . .	..	13,130**	89,100	102,230
Nagaland . . . . .	..	..	..	..
Orissa . . . . .	..	..	..	..
Punjab . . . . .	..	7,898	..	7,898
Rajasthan . . . . .	..	9,378	..	9,378
Uttar Pradesh	3,000	15,086	10,085	28,171
West Bengal	158,520	991	..	159,511
Damodar Valley Corporation	140,000	..	..	140,000
<i>Union Territories :</i>				
Delhi . . . . .	..	..	..	..
Rest . . . . .	..	1,050	25	1,075
TOTAL	601,020	95,509	226,110	922,639

*Includes 12,500 kW gas of turbine plant.

**Includes 10,000 kW of gas turbine plant.

The plant additions under steam, gas turbine, diesel and hydro as above constitute 65.14%, 2.44, 7.91% and 24.51% of the total installed plant capacity added. Diesel plant additions given above include the diesel plant added during earlier years but reported now.

For further details about steam, gas turbine and hydro plants added during the year, the Tables 5 and 6 may be referred to. The boilers commissioned during 1964-65 are given in Table 7.

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

Steam	4,079 kW
Diesel	92,218 kW
Hydro	4,400 kW
TOTAL	100,697 kW

The diesel plant withdrawals as given above include the plant some of which were withdrawn during earlier years but reported later alongwith the data for 1964-65.

2.5. *Classification of Undertakings Owning Generating Stations According to the Range of Installed Capacity, Generation and Maximum Demand.*—Table 8 gives the number of undertakings owing generating stations 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. 26 undertakings whose generation exceeded 50 million kWh each accounted for 98.9 per cent of the total power generated in India. Only 33 undertakings generated more than 10 million kWh each. 26 undertakings each having a demand of 10,000 kW and above accounted for 98.6 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 78.6 per cent of the installed plant was in the public sector and this generated 76.7 per cent of the total power. Against an increase of 14.3 per cent in the installed plant capacity during 1964-65 the corresponding increase in generation was 11.7 per cent. In the Private Sector, the installed plant capacity increased by 6.4 per cent and generation by 23.3 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 plant capacity %	Generation %	Installed plant capacity %	Generation %	Installed plant capacity %	Generation %
Steam	32.0	29.8	16.7	18.8	48.7	48.6
Gas Turbine	0.7	0.1	..	..	0.7	0.1
Diesel	3.9	0.8	0.9	0.4	4.8	1.2
Hydro	42.0	46.0	3.8	4.1	45.8	50.1
ALL INDIA TOTAL	78.6	76.7	21.4	23.3	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.

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 4,942,433 kW and that in the private sector undertakings was 1,314,764 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 gas turbine, 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 (col. 4÷2)
1	2	3	4	5	6	7
Steam	3,604,575	14,389·891	2,937,233	3,992	55·9	81·5
Gas Turbine	52,500	25·859	26,000	493	11·4	49·5
Diesel	352,080	348·484	187,551	990	21·1	53·3
Hydro	3,388,726	14,798·845	3,106,413	4,367	54·3	91·7
TOTAL	7,397,881	29,563·079	6,257,197	3,996	53·9	84·6

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 plant capacity. There were 49 stations, whose capacities exceeded 10,000 kW each. Among these stations, 20 stations exceeded 50,000 kW capacity each. 38 stations had capacities ranging upto 10,000 kW and out of these, only four stations had capacities upto 1,000 kW.

The 49 stations whose individual capacities exceeded 10,000 kW generated 97·7% of the total power produced by the steam power stations. Among these stations only 20 whose individual capacity exceeded 50,000 kW generated 82·8% of the total power produced by all steam power stations.

Table 18 also gives the aggregate steam raising capacity of boilers which was 17,275 tonnes per hour which corresponded to 4·8 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 :

	1963-64*	1964-65	% increase over 1963-64
No. of stations	89	87	..
Aggregate installed plant capacity (kW)	3,007,634	3,604,575	19·85
Total energy generated (Million kWh)	12,506·131	14,389·891	15·06
Capacity of boilers in tonnes per hours	14,631	17,275	18·07
Average capacity of boiler per kW of generating plant capacity (kg. per hour)	4·9	4·8	(—)2·04
Fuel consumed—coal, lignite, wood (Tonnes)	9,802,001	10,566,625	7·80
Furnace oil (Tonnes)	244,389	290,522	18·88
Natural and manufactured gas (cubic metres)	--	61,233,047	..
Overall thermal efficiency (percentage)	22·5	21·7	(—)3·56
Average plant load factor (percentage)	47·5	45·6	(—)4·00

*Revised.

2.8.1. *Thermal Efficiency.*—The average overall thermal efficiency of all the steam power stations was 21.7 per cent as compared with 22.5% for the year 1963-64. 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 24.7%.

Table 19 shows the distribution of steam power stations according to their average overall thermal efficiency. 18 power stations with aggregate installed capacity of 65.0 of the total steam plant installed were working with efficiencies from 20% and above and generated 74.2% of the energy. 6 stations worked at efficiencies between 25% to 30% and only 3 stations, above 30% efficiency. Four power stations with aggregate capacity of 9600 kW were idle and did not generate any electricity during the year under review.

The maximum steam pressure and temperature adopted in the steam power stations was 137.5 kg per sq. cm and 540°C respectively.

2.9. *Gas Turbine and Diesel Power Stations.*—Table 20 gives the classification of gas turbine and diesel power stations according to the range of installed plant capacity.

A gas turbine power station with installed capacity as 12,500 kW was commissioned at Gauhati during the year set of 10,000 kW capacity was also added at Bangalore. Their performance during the year is given below :

	1964-65
Number of generating stations	3
Aggregate installed plant capacity (kW)	52,500
Total energy generated (Million kWh)	25,859
Fuel consumed (Tonnes)	13,853
Fuel consumed kg. per kWh generated	0.54
Overall thermal efficiency (%)	14.96
Average plant load factor (%)	5.6

Table 20 also shows that out of 490 diesel stations in operation, only 95 stations had capacities in excess of 1,000 kW each and accounted for 67.4% of the total diesel plant capacity and 67.7% of total diesel generation. The diesel power stations consumed 111,158 tonnes of fuel. The All India average fuel consumption was 0.32 kg per kWh generated. The position for diesel plants is compared below with that in the previous year.

	1963-64	1964-65	% Increase over 1963-64
Aggregate installed capacity (kW)	371,289	352,080	(—)5.17
Total energy generated (Million kWh)	354,743	348,484	(—)1.76
Fuel consumed (Tonnes)	113,089	111,158	(—)1.71
Average fuel consumption per kWh generated (kg.)	0.32	0.32	..
Average plant load factor (%)	10.9	11.3	3.67

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

Among 85 hydro station, 42 stations had capacities exceeding 10,000 kW each and accounted for 97.6% of total installed hydro plant capacity. These stations generated 97.9% of the total power produced by all the hydro power stations in India.

The position for hydro stations is summarised below :

	1963-64	1964-65	% Increase over 1963-64
Number of hydro stations	72*	85	..
Aggregate plant capacity (kW)	3,167,016*	3,388,726	7.0
Total energy generated (Million kWh)	13,956.701	14,798.845	6.0
Average plant load factor (%)	50.3	49.9	(-)0.8

*Revised

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

2.11.1. Out of 665 power stations under review, 644 stations generating alternating current, 8 both alternating and direct current and the remaining 13 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, gas turbine, 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	Gas Turbine	Diesel	Hydro	Steam	Diesel	Hydro	
<i>Public Sector—</i>								
Number of sets	237	5	1,395	243	..	20	..	1,900
Installed plant capacity (kW)	2,368,805	52,500	281,545	3,111,122	..	1,992	..	5,815,964
<i>Private Sector—</i>								
Number of sets	98	..	303	25	3	63	..	492
Installed plant capacity (kW)	1,235,500	..	59,955	277,604	270	8,588	..	1,581,917
Total number	335	5	1,698	268	3	83	..	2,392
Total installed plant capacity (kW)	3,604,305	52,500	341,500	3,388,726	270	10,580	..	7,397,881

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 fuel consumed in the thermal power stations in the various States in the year 1964-65 are given in Table 28. The steam power stations consumed 9,034,946 tonnes of coal, 1,513,849 tonnes of lignite, 17,830 tonnes of wood, 290,522 tonnes of furnace oil and 61,233,047 cubic metres of natural and other gaseous fuels. The gas turbine and the diesel stations consumed 125,011 tonnes of diesel oil for power generation.

The average heat input per kWh generated in the steam plants (including reciprocating steam plants) 1,951 kilocalories and the average diesel oil consumption by the gas turbine and diesel power stations .33 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 off take by the participating States. 888,500 kW of plant capacity was under joint ownership. The net energy off take from these Projects was 4,544.553 million kWh

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

During the period under review, the All-India aggregate installed plant capacity was 2.32 kW/sq kilometre and 15.21 kW per thousand of population against 2.06 and 13.83 respectively, in the previous year. For this purpose, the mid-year population figures as estimated by the Census Authorities have been taken.

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. 4.4% of the total energy generated and purchased was utilised by the power station auxiliaries. 81.8% of the net energy was sold to ultimate consumers. The losses from all sources were 13.8% 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 3,446 million kWh and represents 12.5% of the total sales in India. For comparison the inter State sale/transfer of power from 1960-61 onwards is given below :

	Million kWh
1960-61	921
1961-62	781
1962-63	3,284
1963-64	3,273
1964-65	3,446

The electricity supply undertakings also purchased 0.1% of their power needs from the non-utility 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)	
	All State Electricity Boards/ Govt. Depts./ Power Corporation	All India (All sectors)
1. Total energy generated	22,627.062	29,563.079
2. Energy purchased from :		
(a) Non-electric utilities in the State	26.666	28.572
(b) Other electric utilities (in private sector)	1,332.785	..
Total power from all sources (1+2)	23,986.513	29,591.651
3. Energy used by power station auxiliaries	922.324	1,303.267
4. Energy sent out	23,064.189	28,288.384
5. Energy sold	19,850.717	24,219.269
6. Energy lost in transformation, transmission, distribution and unaccounted losses	3,213.472	4,069.115
7. Loss as percentage of energy sent out	13.93	14.38

3.1. *Energy Sales*.—Table 34 gives the sales to ultimate consumers who are classified under seven board categories. 9.2% of the total power was sold for domestic light and small power, 5.9% for Commercial lighting, heating, and small power, 71.8% for industrial power, 1.1% for public lighting, 3.7% for Railways and Tramways, 5.8% for irrigation and dewatering and 2.5% 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 8.9%, 21.0% and 9.7% respectively. Power consumed by Railways and Tramways and irrigation and dewatering services increased by 18.9% and 20.9% respectively and that in public water works and sewage pumping by 8.0%. The net average increase in power sales to all classes of consumers was 11.1% 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 Boards and Government Electricity Departments is given in Table 36.

3.2. *Electricity Consumption—per capita*.—The average per capita consumption of electricity for the Indian Union was 57.07 kWh in 1964-65 as compared to 53.64 kWh for the year 1963-64. The per capita consumption thus increased by 6.39% 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 the estimated mid-year population figures for 1965. This table also gives the contribution made by self-generating industrial establishments including Indian Railways to the per capita consumption in each of the States.

The per capita consumption as computed on this basis for the years 1951, 1956, 1960-61, 1963-64, and 1964-65 are given below :

Year	Per capita consumption		Total (kWh)
	Public utilities (kWh)	Non-electric utilities (industrial establishments) (kWh)	
1964-65	49.79	7.28	57.07
1963-64	46.37*	7.27*	53.64*
1960-61	31.85	6.30	38.15
1956	20.70	5.70	26.40
1951	13.25	4.53	17.78

*Revised

The per capita consumption in 1964-65 was more than three times that in 1951.

The Union Territory of Delhi showed the highest overall per capita consumption of electricity of 203.6 kWh.

3.3. *Progress of Electricity Supply Industry*.—Table 38 gives the All India progress of electricity with details of installed plant capacity, maximum demand kilowatt hours generated per kW of capacity etc. from the year 1939 onwards. Tables 39(1) to 39(18) give the installed capacity, generation, purchase and sale of power etc. for each State separately for the years 1951, 1956, 1960-61, 1963-64 and 1964-65.

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

Voltage	1964-65		1963-64		% increase
	O.H.	U.G.	O.H.	U.G.	
22 kV	15,814.4	428.9	14,479.6	283.0	10.0
33 kV	30,405.5	515.4	24,299.3	515.4	24.6
44/37.5 kV	3,059.3	..	2,701.8	..	13.3
78/66 kV	15,946.0	..	15,107.7	..	5.6
110/90 kV	8,787.5	..	8,018.2	..	9.6
132 kV	14,419.3	..	10,524.0	..	37.0
220/230 kV	2,531.9	..	2,110.5	..	20.0
TOTAL	90,963.9	944.3	77,241.1	798.4	17.8

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 52,494 circuit kilometres.

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

4.2. *Transformers.*—The number of transformers installed was 89,873 in the public electricity supply undertakings at the end of the year. Their aggregate capacity was 28,130,007 kVA as classified below :

	Number	Aggregate capacity (kVA)
Step-up transformers	915	7,843,649
Step-down transformers	3,177	14,076,866
Distribution transformers	85,781	6,209,492
TOTAL	89,873	28,130,007

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	5,331,020	283,394	5,614,414	3,155,134
Commercial light and small power	1,264,763	106,771	1,371,534	1,287,085
Industrial power	258,845	15,744	274,589	5,958,700
Public lighting	42,304	93	42,397	103,957
Railways and Tramways	434	1	435	248,482
Irrigation and dewatering	399,040	216	399,258	1,666,665
Public water works and sewage pumping	6,204	48	6,252	185,712
TOTAL	7,302,610	406,269	7,708,879	12,605,735

The number of consumers at the beginning of the year was 6,925,750. During the year 783,129 new consumers were connected thus recording a rise of 11.3% in their number.

4.4. *Towns and Villages Electrified.*—Power supply was extended to 6,480 additional villages bringing the total number of towns and villages electrified to 47,624 as on 31-3-1965. Table 47 shows the Statewise distribution of towns and villages electrified.

5. POWER GENERATED AND USED IN SELECTED INDUSTRIES

Statistical data from 888 industrial establishments were received and have been analysed. These establishments consumed 12,691 million kWh of energy. Out of this 9,929 million kWh were purchased from public electric utilities and 3,466 million kWh were generated in the power plants owned by 303 industrial establishments. The industries sold 349 million kWh of energy to outside parties. The total power consumed by these industries during 1964-65 registered an increase of 6.10% over the consumption in the previous year. The generating plant capacity of the industries increased by 1.56%.

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

The total installed plant capacity in the industrial power stations was 996,256 kW. This capacity was about 11.9% of the total installed plant capacity in the power stations owned by both the public utilities and industrial undertakings including the Indian Railways.

The cotton textiles, fertilizers, Iron and Steel (Primary), Aluminium (Primary), Cement (Primary) and jute industries were large purchasers of power from electricity supply undertakings. Sugar, Paper, Iron and Steel (Primary), Cement (Primary), Collieries, Copper (Primary) and 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 10,001 kW and above produced 68.30% of the total power generated in the industrial power stations. 102 industries with plant capacity in the range of 1,001 to 10,000 kW generated 27.84% of the total power and the remaining 182 industries generated only 3.86% of the total electricity production by all the industries.

Tables 51 and 52 give the installed generating plant capacity and consumption of energy in 23 classified industries and in the miscellaneous categories 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)	731.851	78.71
2. Cement (Primary)	1,011.739	62.25
3. Collieries	566.786	36.61
4. Cotton textiles	2,743.602	55.13
5. Engineering	265.391	40.26
6. Iron & Steel (Primary)	2,308.989	52.51
7. Fertilizers	1,980.605	79.62
8. Oil & Petroleum	98.229	98.39
9. Paper	613.029	64.88
10. Sugar	181.906	22.73

6. RAILWAYS

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

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

Aggregate installed plant capacity (kW)	65,134
Maximum demand (kW)	31,461
Generation (Million kWh)	104.803
Consumption in Power Station auxiliaries (Million kWh)	8.543

The steam power stations of the Railways generated 71.628 million kWh and the Diesel Stations 33.175 million kWh. Besides, the Railways purchased 898.316 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	Number of fatal accidents	
	Electricity Supply Undertakings	Industrial Undertakings
Generation	21	3
Transmission	195(16*)	5
Distribution	517(120*)	37(1*)
TOTAL	733(136*)	45(1*)

*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 24.6 times that in generation in respect of electricity supply undertakings. It is 12.3 times in the case of industrial undertakings.

8. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS, 1963-64

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. 115,329 lakhs as against Rs. 104,106 lakhs at the end of 1962-63. (Table 55) covering 6,188,349 kW of installed plant capacity and a sale of 20,897.022 kWh. This takes into account the data received from 257 out of 299 undertakings owned and operated by the State Electricity Boards/Government Departments, Power Corporation, Municipalities, and private licensees. Of the remaining 42 undertakings, 18 companies, 21 municipal owned undertakings, Electricity Departments of the Jammu & Kashmir, Nagaland and Laccadive & Minicoy Islands cover only 0.63% 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 the ownership is given below :

	1962-63 (Rs. lakhs)	1963-64 (Rs. lakhs)
1. Government and Boards	81,386*	90,410*
2. Municipalities	5,411	6,049
3. Private companies	17,309	18,870
TOTAL	104,106	115,329

*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 1963-64 indicates that the equity and preference share capital as at the end of the year 1963-64 was Rs. 3,795 lakhs and Rs. 657 lakhs as against Rs. 3,794 lakhs and Rs. 657 lakhs respectively at the end of 1962-63 [Table 56(a)]. The secured loan capital increased from Rs. 1,871 lakhs in 1962-63 to Rs. 1,975 lakhs in 1963-64 [Table 56(a)].

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	1962-63 (Rs. lakhs)	1963-64 (Rs. lakhs)
(i) Domestic and Residential	4,454	3,950*
(ii) Commercial	1,339	2,063
(iii) Industrial	8,223	10,189
(iv) Public Water Works and Sewage Pumping	237	432
(v) Traction	37	226
(vi) Public lighting maintenance	519	435
(vii) Irrigation	1,038	1,260
(viii) Other revenue	4,011	5,128
TOTAL	19,858	23,683

*A portion of this is included in other categories as the segregation of sales was not available in many cases.

10.2. The Total revenue ownership-wise is given below :

	1962-63 (Rs. lakhs)	%	1963-64 (Rs. lakhs)	%
1. Government/State Electricity Boards	12,071	60.8	14,385	60.7
2. Municipalities	1,658	8.3	1,915	8.1
3. Companies	6,129	30.9	7,383	31.2
TOTAL	19,858	100.0	23,683	100.0

11. REVENUE PER kWh SOLD UNDER EACH CATEGORY

The average overall revenue by sale of electricity (excluding other revenue) for the year 1963-64 was 8.68 paise per unit as compared to 8.48 paise per unit during the year 1962-63. 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 1964-65

A few broad particulars of the tentative financial results of operation of the State Electricity Boards for the year 1964-65 are detailed below :

(Rupees in lakhs)

	State Electricity Boards/ Depts./ Power Corporation	Municipalities	Private Companies
1. Total fixed assets	103,765	6,535	18,814
2. Gross revenue	17,607	2,157	8,039
3. Total operating expenses including depreciation but excluding interest	12,490	1,716	7,613
4. Surplus	5,117	441	1,906

TABLE 1.—SALIENT FEATURES OF THE ELECTRICITY SUPPLY INDUSTRY

Year	1951	1956	1960-1961	1963-64*	1964-65
1. AUTHORIZED UNDERTAKINGS—					
<i>(a) Generating—</i>					
(i) Public Sector	188	46	42	44	37
(ii) Private Sector	227	179	130	80	65
TOTAL	415	225	172	124	102
<i>(b) Distributing—</i>					
(i) Public Sector	81	23	32	37	39
(ii) Private Sector	89	122	133	138	129
TOTAL	170	145	165	175	168
GRAND TOTAL	585	370	337	299	270
2. GENERATING CAPACITY (kW)—					
Steam plant	1,097,567	1,596,412	2,436,255	3,007,634	3,604,575
Gas Turbine plant . . . . .	..	..	..	30,000	52,500
Diesel plant	162,680	228,288	300,135	371,289	352,080
Hydro plant	575,179	1,061,441	1,916,661	3,167,016	3,388,726
TOTAL	1,835,426	2,886,141	4,653,051	6,575,939	7,397,881
3. OUT-PUT (Million kWh)—					
Steam plant	2,779·059	5,133·900	8,732·409	12,506·131	14,389·891
Gas Turbine plant . . . . .	..	..	..	..	25·859
Diesel plant	219·646	233·356	368·022	354·743	348·484
Hydro plant	2,859·698	4,294·877	7,836·581	13,956·701	14,798·845
TOTAL	5,858·403	9,662·133	16,937·012	26,817·575	29,563·079
4. ENERGY PURCHASED FROM NON-ELECTRIC UTILITIES (Million kWh)					
	17·737	18·642	223·041	70·102	28·572
5. ENERGY USED BY POWER STATION AUXILIARIES (Million kWh)					
	218·317	386·447	721·864	1,067·294	1,303·267
6. SALES (Million kWh)—					
(a) Domestic light & small power	594·080	934·122	1,492·291	2,062·399	2,246·207
(b) Commercial light & small power	330·016	545·851	847·735	1,179·716	1,427·481
(c) Industrial	3,058·889	5,323·424	9,696·415	15,841·834	17,378·582
(d) Public lighting	67·602	117·767	193·241	244·470	270·834
(e) Railways/Tramways	329·594	404·925	453·923	755·581	898·316
(f) Irrigation and dewatering	203·048	316·178	832·921	1,153·180	1,396·698
(g) Public water works and sewage pumping	210·115	317·078	436·190	556·797	601·151
TOTAL	4,793·344	7,959·345	13,952·716	21,793·977	24,219·269

Year	1951	1956	1960-61	1963-64*	1964-65
7. ENERGY LOST IN TRANSFORMATION; TRANSMISSION AND DISTRIBUTION AND UNACCOUNTED FOR	864.479	1,334.983	2,485.473	4,026.406	4,069.115
8. FUEL CONSUMPTION—					
(a) In steam power stations					
(i) Coal (Tonnes)	2,478,199	4,067,348	6,699,590	8,634,620	9,034,946
(ii) Lignite (Tonnes) . . . . .	..	..	..	1,166,141	1,513,849
(iii) Wood (Tonnes) . . . . .	..	..	..	17,359	17,830
(iv) Furnace Oil (Tonnes) . . . . .	..	..	..	244,389	290,522
(v) Natural and other gaseous fuels (Million cubic metres) . . . . .	..	..	..	..	61,233
(b) In Gas Turbine and Diesel Power Station					
Diesel oil (Tonnes)	73,148	76,261	111,974	113,089	125,011
9. Maximum demand (kW)	1,205,194	1,989,774	3,545,930	5,548,503	6,257,197
10. Transmission and distribution lines km.	39,380.00 †	85,000.00 †	146,737.260 †	413,138.6	465,632.1
11. NO. OF CONSUMERS—					
(a) Domestic light and small power	1,307,059	2,180,659	3,666,889	5,110,782	5,614,414
(b) Commercial light and small power.	273,280	469,845	672,554	1,196,409	1,371,534
(c) Industrial power including Railways/Tramways and Public Water Works & Sewage Pumping	70,704	108,756	178,692	246,036	281,276
(d) Public lighting	2,367	3,694	15,126	37,316	42,397
(e) Irrigation and dewatering	24,395	62,848	195,902	335,207	399,258
TOTAL	1,677,805	2,825,802	4,729,163	6,925,750	7,708,879
12. CONNECTED LOAD (kW)—					
(a) Domestic light and small power	858,958	1,319,328	2,234,786	2,795,103	3,155,134
(b) Commercial light and small power	327,579	407,631	526,070	1,019,365	1,287,085
(c) Industrial power including Railways/Tramways and Public Water Works and Sewage Pumping	1,723,110	2,632,280	4,561,915	5,481,338	6,392,894
(d) Public lighting	22,723	36,805	76,155	86,583	103,957
(e) Irrigation and dewatering	140,421	327,774	826,530	1,415,845	1,666,665
TOTAL	3,072,791	4,723,818	8,225,456	10,798,234	12,605,735
13. ELECTRIFIED TOWNS AND VILLAGES	4,051	8,751	23,969	44,144	47,624
14. CAPITAL EXPENDITURE (Rs. crore)	169.1	516.9	758.8	1,153.3	..
15. NON-ELECTRIC UTILITIES—					
(i) Installed plant capacity (kW)—					
(a) Self-generating industry	627,977	759,650	1,001,372	980,957	996,256
(b) Railways . . . . .	..	..	..	165,827	65,134
(ii) Generation (Million kWh)—					
(a) Self-generating industry	1,655,568	2,209.509	3,186.104	3,381.660	3,465.524
(b) Railways . . . . .	..	..	..	105.138	104.803
16. PER CAPITAL GENERATION (UTILITIES AND NON-ELECTRIC UTILITIES).	20.8	30.9	43.9	64.5	68.1
17. PER CAPITA CONSUMPTION (UTILITIES AND NON-ELECTRIC UTILITIES)	17.8	26.4	38.2	53.6	57.1

*Revised figures.

†Excludes L.T. Lines upto 500 volts.

TABLE 2.—ACQUISITION OF ELECTRICITY SUPPLY UNDERTAKINGS

Name of the undertaking	Prior ownership	Date and year of acquisition	By whom acquired
<i>Generating—</i>			
1. Bilkha	Company	64-65	Gujarat Electricity Board.
2. Katni	Company	4-5-64	Madhya Pradesh Electricity Board.
3. Ratlam	Company	26-1-65	Madhya Pradesh Electricity Board.
4. Sallana	Company	15-4-61	Madhya Pradesh Electricity Board.
5. Dhanu Road	Company	1-2-65	Maharashtra State Electricity Board.
6. Khandbara	Municipal	1-1-65	Maharashtra State Electricity Board.
7. Nangalwadha	Company	1-10-64	Maharashtra State Electricity Board.
8. Nasik-Deolali	Company	1-3-65	Maharashtra State Electricity Board.
9. Khannapur	Company	1-3-65	Mysore State Electricity Board.
10. Balotra	Municipal	7-5-64	Rajasthan State Electricity Board.
11. Banswara	Company	1-10-64	Rajasthan State Electricity Board.
12. Rajgarh (Alwar)	Company	20-7-64	Rajasthan State Electricity Board.
13. Allahabad	Company	16-9-64	Uttar Pradesh State Electricity Board.
14. Balrampur	Company	17-5-64	Uttar Pradesh State Electricity Board.
15. Lucknow	Company	16-9-64	Uttar Pradesh State Electricity Board.
16. Panjim	Municipal	1-8-64	Govrenment of Goa.
<i>Distributing—</i>			
1. Jhalawar	Company	64-65	Gujarat Electricity Board.
2. Chenamangalam	Company	24-3-64	Kerala State Electricity Board.
3. Bilaspur	Company	4-5-64	Madhya Pradesh Electricity Board.
4. Gondia	Company	31-3-65	Maharashtra State Electricity Board.
5. Rohtak	Company	21-5-64	Punjab State Electricity Board.
6. Nasirabad	Municipal	27-1-64	Rajasthan State Electricity Board.
7. Pilani	Company	1-1-64	Rajasthan State Electricity Board.
8. Baharaich	Company	17-5-64	Uttar Pradesh State Electricity Board.
9. Etah	Company	15-11-64	Uttar Pradesh State Electricity Board.
10. Gonda	Company	17-5-64	Uttar Pradesh State Electricity Board.
11. Upper Jamuna Valley	Company	28-6-64	Uttar Pradesh State Electricity Board.

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

Name of the Undertaking	Type of ownership	Name of State	Source of supply
1 Bhagalpur	Company	Bihar	Bihar State Electricity Board.
2 Vadnagar	Municipal	Gujarat	Gujarat Electricity Board.
3 Raver	Municipal	Maharashtra	Maharashtra State Electricity Board.
4 Koregaon	Company	Maharashtra	Maharashtra State Electricity Board.
5 Satara	Company	Maharashtra	Maharashtra State Electricity Board.
6 Tata Hydro	Company	Maharashtra	Maharashtra 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	PUBLIC SECTOR						PRIVATE SECTOR			TOTAL		
		State Electricity Board/ Government/ Power Corporation			Municipality			Company			No. of undertakings	Installed plant capacity (kW)	Energy generated (million kWh)
		No. of undertakings	Installed plant capacity (kW)	Energy generated (million kWh)	No. of undertakings	Installed plant capacity (kW)	Energy generated (million kWh)	No. of undertakings	Installed plant capacity (kW)	Energy generated (million kWh)			
1	Andhra Pradesh	1	324,210	1,338.971	..	..	..	..	..	1	324,210	1,388.971	
2	Assam	1	59,459	57.651	..	..	..	5	7,343	16.248	6	66,802	73.899
3	Bihar	1	44,108	99.030	..	..	..	10	34,396	116.734	11	78,504	215.764
4	Gujarat	1	293,266	695.052	12	2,800	4.583	33	247,370	1,235.602	46	543,436	1,935.237
5	Jammu & Kashmir	1	29,088	93.602	..	..	..	..	..	..	1	29,088	93.602
6	Kerala	1	193,505	795.108	1	..	..	4	..	..	6	193,505	795.108
7	Madhya Pradesh	1	334,871	1,182.265	..	..	..	10	19,734	82.783	11	354,605	1,265.048
8	Madras	1	969,150	3,825.542	5	..	..	8	..	..	14	969,150	3,825.542
9	Maharashtra	1	593,018	2,800.110	10	2,182	0.391	51	481,652	2,281.284	62	1,076,852	5,081.785
10	Mysore	1	346,542	1,399.785	..	..	..	13	6,323	12.553	14	352,865	1,412.338
11	Nagaland	1	725	1.013	..	..	..	..	..	..	1	725	1.013
12	Orissa	1	280,186	992.560	..	..	..	..	..	..	1	280,186	992.560
13	Punjab	1	684,329	3,200.745	2	3,660	11.281	7	2,569	0.747	10	690,558	3,212.773
14	Rajasthan	1	70,059	109.459	5	705	0.552	5	8,285	21.681	11	79,049	131.692
15	Uttar Pradesh	1	725,130	2,467.687	13	8,134	12.229	19	41,093	151.055	33	774,357	2,631.041
16	West Bengal	1	59,646	185.614	1	3,200	7.404	26	731,112	2,977.694	28	793,958	3,170.712
17	Union Territories :												
	(a) Delhi	..	..	..	2	114,230	317.029	..	..	..	2	114,230	317.029
	(b) Andaman and Nicobar Islands.	1	1,430	2.121	..	..	..	..	..	..	1	1,430	2.121
	(c) Goa, Daman and Diu.	1	3,522	5.153	1	..	..	1	2,040	3.126	3	5,562	8.279
	(d) Himachal Pradesh	1	1,015	2.327	..	..	..	..	..	..	1	1,015	2.327
	(e) Laccadive, Minicoy and Amindivi Islands	1	141	0.041	..	..	..	..	..	..	1	141	0.041
	(f) Manipur	1	1,850	2.676	..	..	..	..	..	..	1	1,850	2.676
	(g) Pondicherry	1	..	..	..	..	..	2	..	..	3	..	..
	(h) Tripura	1	1,803	3.959	..	..	..	..	..	..	1	1,803	3.959
18	Damodar Valley Corporation.	1	664,000	2,999.562	..	..	..	..	..	..	1	664,000	2,999.562
	TOTAL	24	5,681,053	22,310.033	52	134,911	353.469	194	1,581,917	6,899.507	270	7,397,881	29,563.079

TABLE 5.—STEAM AND GAS TURBINE GENERATING UNITS COMMISSIONED DURING 1964-65

Installed at	State	No. of sets	Capacity of each set (kW)	Total capacity (kW)
<i>Steam Turbine—</i>				
Hussain Sagar	Andhra Pradesh	1	2,500	2,500
Chandrapura	Bihar (DVC)	1	140,000	140,000
Dhuvaran	Gujarat	2	63,500	127,000
Amarkantak	Madhya Pradesh	2	30,000	60,000
Neyveli	Madras	1	50,000	50,000
Khaperkheda	Maharashtra	2	30,000	60,000
Balarampur	Uttar Pradesh	1	3,000	3,000
Dishergarh*	West Bengal	1	5,000	5,000
Durgapur Coke Oven*	West Bengal	2	75,000	150,000
Farakka Package	West Bengal	2	1,760	3,520
	Total	15	..	601,020
<i>Gas Turbine—</i>				
Gauhati	Assam	1	12,500	12,500
Bangalore	Mysore	1	10,000	10,000
	Total	2	22,500	22,500

*Installations at Company owned Power Stations.

TABLE 6.—HYDRO GENERATING UNITS COMMISSIONED DURING 1964-65

Installed at	State	No. of units	Capacity of each unit (kW)	Total capacity (kW)
Tungabhadra (Right Bank)	Andhra Pradesh	1	9,000	9,000
Hampi	Andhra Pradesh	2	9,000	18,000
Umiam	Assam	2	9,000	18,000
Kund Vah	Madras	1	21,600	21,600
Kundah III	Madras	1	60,000	60,000
Sharavathy	Mysore	1	89,100	89,100
Matatila	Uttar Pradesh	1	10,000	10,000
Bharmour	Himachal Pradesh	1	25	25
	Total	10	..	225,725

TABLE 7.—BOILERS COMMISSIONED DURING 1964-65

Installed at	State	No. of boilers	Evaporating capacity of each unit in 1000 kg/hr	Steam condition at the stop valve	
				Pressure in Kg/cm ²	Temperature °C
Hussain Sagar	Andhra Pradesh	1	34.1	31.5	399
Chanderpura	Bihar (DVC)	1	436.5	137.5	540
Dhuvaran	Gujarat	4	136.0	90.0	515
Amarkantak	Madhya Pradesh	4	96.5	72.06	496
Neyveli	Madras	1	220	90.0	535
Basin Bridge	Madras	1	68.00	65.0	496
Khaperkheda	Maharashtra	4	81.6	61.5	496
Durgapur Coke Oven	West Bengal	2	317.5	73.6	500
Farakka Package Plant	West Bengal	4	6.0	22	380

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

Range of Installed Plant Capacity (kW)	State Electricity Board/Government			Power Corporation			Municipalities			Companies			Total		
	No. of Undertakings	Aggregate installed plant capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of undertakings	Aggregate installed plant capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of undertakings	Aggregate installed plant capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of undertakings	Aggregate installed plant capacity of the group (kW)	Total energy generated by the group (million kWh)	No. of undertakings	Aggregate installed Plant capacity of the group (kW)	Total energy generated by the group (million kWh)
Up to 500	1	141	0.041	..	..	..	17	2,380	1.303	53	11,155	8.003	71	13,676	9.347
501 to 1,000	1	725	1.013	..	..	..	2	1,276	1.612	14	9,759	17.423	17	11,760	20.048
1,001 to 2,500	4	6,098	11.083	..	..	..	3	3,945	5.085	14	23,388	35.855	21	33,431	52.023
2,501 to 5,000	1	3,522	5.153	..	..	..	2	6,860	18.685	6	23,836	50.565	9	34,218	74.403
5,001 to 10,000	..	..	..	..	..	..	1	6,220	9.825	3	19,154	71.372	4	25,374	81.197
10,001 to 25,000	..	..	..	..	..	..	..	..	..	7	111,850	413.791	7	111,850	413.791
25,001 to 50,000	2	73,196	192.632	..	..	..	..	..	..	..	..	..	2	73,196	192.632
50,001 to 100,000	3	189,164	352.724	..	..	..	..	..	..	..	..	..	3	189,164	352.724
Over 100,000	10	4,744,207	18,747.825	1	664,000	2,999.562	1	114,230	317.029	4	1,382,775	6,302.498	16	6,905,212	28,366.914
TOTAL	22	5,017,053	19,310.471	1	664,000	2,999.562	26	134,911	353.539	101	1,581,917	6,899.507	150	7,397,881	29,563.079

TABLE 9.—CLASSIFICATION OF UNDERTAKINGS OWNING GENERATING STATIONS ACCORDING TO THE RANGE OF GENERATION

Range of generation (Million kWh)	State Electricity Board/Government		Power Corporation		Municipalities		Companies		Total	
	No. of undertakings	Total energy generated by the group (million kWh)	No. of undertakings	Total energy generated by the group (million kWh)	No. of undertakings	Total energy generated by the group (million kWh)	No. of undertakings	Total energy generated by the group (million kWh)	No. of undertakings	Total energy generated by the group (million kWh)
Under 0·250 . . .	1	0·041	..	..	17	1·001	45	1·186	63	2·228
0·251 to 0·500 . . .	..	..	..	..	1	0·302	7	2·378	8	2·680
0·501 to 1·000 . . .	..	..	..	..	2	1·612	13	9·428	15	11·040
1·001 to 2·500 . . .	3	5·461	..	..	1	2·474	6	8·797	10	16·732
2·501 to 5·000 . . .	2	6·635	..	..	1	2·611	7	20·814	10	30·060
5·001 to 10·000 . . .	1	5·153	..	..	2	17·229	8	58·500	11	80·882
10·001 to 25·000 . . .	..	..	..	..	1	11·281	3	51·816	4	63·097
25·001 to 50·000 . . .	..	..	..	..	..	..	3	112·708	3	112·708
50·001 to 100·000 . . .	3	250·283	..	..	..	..	5	331·382	8	581·665
100·001 to 250·000 . . .	2	295·073	..	..	..	..	..	..	2	295·073
250·001 to 500·000 . . .	..	..	..	..	1	317·029	..	..	1	317·029
500·001 to 1000·000 . . .	3	2,482·720	..	..	..	..	1	817·066	4	3,299·786
Above 1000·000 . . .	7	16,265·105	1	2,999·562	..	..	3	5,485·432	11	24,750·099
TOTAL . . .	22	19,310·471	1	2,999·562	26	353·539	101	6,899·507	150	29,563·079

TABLE 10.—CLASSIFICATION OF UNDERTAKINGS OWNING GENERATING STATIONS ACCORDING TO THE RANGE OF GENERATING
MAXIMUM DEMAND

Range of Maximum Demand (kW)	State Electricity Board/Government		Power Corporation		Municipalities		Companies		Total	
	No. of undertakings	Aggregate maximum demand of the group (kW)	No. of undertakings	Aggregate maximum demand of the group (kW)	No. of undertakings	Aggregate maximum demand of the group (kW)	No. of undertakings	Aggregate maximum demand of the group (kW)	No. of undertakings	Aggregate maximum demand of the group (kW)
Up to 50	1	38	..	..	12	116	38	145	51	299
51 to 250 . . . . .	..	..	..	..	6	892	13	1,465	19	2,357
251 to 500 . . . . .	..	..	..	..	2	965	14	4,744	16	5,709
501 to 1,000	3	1,903	..	..	2	1,210	9	6,222	14	9,335
1,001 to 2,500	3	4,297	..	..	2	4,566	10	15,963	15	24,826
2,501 to 5,000 . . . . .	..	..	..	..	1	4,000	6	22,625	7	26,625
5,001 to 10,000 . . . . .	..	..	..	..	..	..	2	16,400	2	16,400
10,001 to 25,000	2	36,948	..	..	..	..	5	64,100	7	101,048
25,001 to 50,000	3	112,869	..	..	..	..	..	..	3	112,869
50,001 to 100,000 . . . . .	..	..	..	..	..	..	..	..	..	..
Over 100,000	10	3,998,279	1	670,300	1	106,050	4	1,183,100	16	5,957,729
TOTAL	22	4,154,334	1	670,300	26	117,799	101	1,314,764	150	6,257,197

TABLE 11.—INSTALLED PLANT CAPACITY AND GENERATION BY OWNERSHIP

Ownership	No. of undertakings	Installed plant capacity			Generation		
		As on 31-3-1965 (kW)	Percentage of total	Increase in 1964-65 over 1963-64 %	1964-65 (million kWh)	Percentage of total	Increase in 1964-65 over 1963-64
<i>Public Sector—</i>							
(a) Government and State Electricity Boards	23	5,017,053	67.8	13.3	19,310.471	65.3	12.6
(b) Power Corporation	1	664,000	9.0	26.7	2,999.562	10.2	7.0
(c) Municipality	52	134,911	1.8	(—)2.7	353.539	1.2	6.4
SUB-TOTAL	76	5,815,964	78.6	14.3	22,663.572	76.7	11.7
<i>Private Sector—</i>							
Companies	194	1,581,917	21.4	6.4	6,899.507	23.3	5.7
TOTAL	270	7,397,881	100.0	12.5	29,563.079	100.0	10.3

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

Sl. No.	Type of plant and ownership	Installed plant capacity as on 31-3-1965 (kW)	Percentage of total	Generation (million kWh)	Percentage of total
1	STEAM				
	<i>Public Sector—</i>				
	(a) Govt. and State Electricity Boards	1,717,205	23.2	5,835.660	19.7
	(b) Power Corporation	560,000	7.6	2,657.215	9.0
	(c) Municipality	91,600	1.2	314.625	1.1
	<i>Private Sector—</i>				
	Companies	1,235,770	16.7	5,582.391	18.8
	SUB-TOTAL	3,604,575	48.7	14,389.891	48.6
2	GAS TURBINE				
	<i>Public Sector—</i>				
	(a) Government and State Electricity Boards	52,500	0.7	25.859	0.1
	(b) Power Corporation	..	..	..	..
	(c) Municipality	..	..	..	..
	<i>Private Sector—</i>				
	Companies	..	..	..	..
	SUB-TOTAL	52,500	0.7	25.859	0.1
3	DIESEL				
	<i>Public Sector—</i>				
	(a) Government and State Electricity Boards	248,086	3.4	224.684	0.8
	(b) Power Corporation	..	..	..	..
	(c) Municipality	35,451	0.5	12.248	0.0
	<i>Private Sector—</i>				
	Companies	68,543	0.9	111.552	0.4
	SUB-TOTAL	352,080	4.8	348.484	1.2
4	HYDRO				
	<i>Public Sector—</i>				
	(a) Government and State Electricity Boards	2,999,262	40.5	13,224.268	44.7
	(b) Power Corporation	104,000	1.4	342.347	1.2
	(c) Municipalities	7,860	0.1	26.666	0.1
	<i>Private Sector—</i>				
	Companies	277,604	3.8	1,205.564	4.1
	SUB-TOTAL	3,388,726	45.8	14,798.845	50.1
	TOTAL	7,397,881	100.0	29,563.079	100.0

TABLE 13.—INSTALLED PLANT CAPACITY, MAXIMUM DEMAND AND ENERGY GENERATED BY TYPE OF PLANT, AS ON 31ST MARCH, 1965

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Sl. No.	Name of State/Union Territory/Power Corporation	Steam			Gas Turbine & 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)	Energy generation (million kWh)
1	Andhra Pradesh.	83,500	57,800	244.527	33,710††	22,227*	21.606†	207,000	203,600	1,122.838	324,210	283,627	1,388.971
2	Assam . . .	..	..	..	38,862	13,456	32.252	27,940	9,027	41.647	66,802	22,483	73.899
3	Bihar . . .	58,770	33,727	180.875	19,734	15,461	34.889	..	..	..	78,504	49,188	215.764
4	Gujarat . . .	482,600	398,400	1,861.301	60,836	36,344	73.936	..	..	..	543,436	434,744	1,935.237
5	Jammu & Kashmir.	1,500	..	..	1,536	..	..	26,052	19,700	93.602	29,088	19,700	93.602
6	Kerala . . .	..	..	..	1,005	..	..	192,500	190,700	795.108	193,505	190,700	795.108
7	Madhya Pradesh.	238,400	173,660	745.376	24,205	12,750	20.245	92,000	96,000	499.427	354,605	282,410	1,265.048
8	Madras . . .	351,500	325,070	1,746.451	6,000	900	0.378	611,650	570,100	2,078.713	969,150	896,070	3,825.542
9	Maharashtra	503,250	400,760	2,094.327	49,714	26,048	71.908	523,888	545,274	2,915.550	1,076,852	972,082	5,081.785
10	Mysore . . .	1,100	300	1.654	32,265††	16,030**	26.656‡	319,500	295,650	1,384.028	352,865	311,980	1,412.338
11	Nagaland . . .	..	..	..	725	504	1.013	..	..	..	725	504	1.013
12	Orissa . . .	5,750	..	..	4,424	800	1.575	270,012	196,010	99.985	280,186	196,810	992.560
13	Punjab . . .	18,100	10,590	3.346	17,382	4,301	1.304	655,076	576,440	3,208.123	690,558	591,331	3,212.773
14	Rajasthan . . .	48,500	29,176	94.949	30,549	16,421	36.743	..	..	..	79,049	45,597	131.692
15	Uttar Pradesh	382,235	306,195	1,310.191	41,267	21,500	19.329	353,955	283,360	1,301.521	774,357	611,555	2,631.041
16	West Bengal	776,670	553,850	3,133.338	9,780	5,141	14.744	7,508	6,501	22.630	793,958	565,492	3,170.712
	Union Territories—												
	(a) Delhi	91,600	89,750	314.625	22,630	16,300	2.404	..	..	..	114,230	106,050	317.029
	(b) Andaman Nicobar Islands.	1,100	455	1.716	330	113	0.405	..	..	..	1,430	568	2.121
	(c) Goa, Daman & Diu.	..	..	..	5,562	2,783	8.279	..	..	..	5,562	2,783	8.279
	(d) Himachal Pradesh.	..	..	..	270	80	0.001	745	751	2.326	1,015	831	2.327
	(e) Laccadive, Minicoy & Amindive Islands.	..	..	..	141	38	0.041	..	..	..	141	38	0.041
	(f) Manipur	..	..	..	1,850	1,037	2.676	..	..	..	1,850	1,037	2.676
	(g) Pondicherry.	..	..	..	..	..	..	..	..	..	..	..	..
	(h) Tripura	..	..	..	1,803	1,317	3.959	..	..	..	1,803	1,317	3.959
	Damodar Valley Corporation	560,000	557,500	2,657.215	..	..	..	104,000	112,800	342.347	664,000	670,300	2,999.562
	TOTAL	3,604,575	2,937,233	14,389.891	404,580	213,551	374.343	3,388,726	3,106,413	14,798.845	7,397,881	6,257,197	29,563.079

* Includes 16,000 kW max. demand met by gas turbine plant.
 † Includes 18,213 M. kWh generated by gas turbine plant.
 †† Includes 20,000 kW Gas turbine plant.

** Includes 10,000 kW max. demand met by gas turbine plant.
 ‡ Includes 7.646 M.kWh generated by gas turbine plant.

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	83,500	244·527	..	..	..	..	83,500	244·527
2	Assam	..	..	..	..	..	..	..	..
3	Bihar	30,000	72·641	..	..	28,770	108·234	58,770	180·875
4	Gujarat	247,500	639·742	..	..	235,100	1,221·559	482,600	1,861·301
5	Jammu & Kashmir	1,500	..	..	..	..	..	1,500	..
6	Kerala	..	..	..	..	..	..	..	..
7	Madhya Pradesh	220,900	665·012	..	..	17,500	80·364	238,400	745·376
8	Madras	351,500	1,746·451	..	..	..	..	351,500	1,746·451
9	Maharashtra	315,750	1,047·733	..	..	187,500	1,046·594	503,250	2,094·327
10	Mysore	1,100	1·654	..	..	..	..	1,100	1·654
11	Nagaland	..	..	..	..	..	..	..	..
12	Orissa	5,750	..	..	..	..	..	5,750	..
13	Punjab	18,100	3·346	..	..	..	..	18,100	3·346
14	Rajasthan	48,500	94·949	..	..	..	..	48,500	94·949
15	Uttar Pradesh	343,485	1,159·972	..	..	38,750	150·219	382,235	1,310·191
16	West Bengal	48,520	157·917	..	..	728,150	2,975·421	776,670	3,133·338
17	Union Territories—								
	(a) Delhi	..	..	91,600	314·625	..	..	91,600	314·625
	(b) Andaman & Nicobar Islands.	1,100	1·716	..	..	..	..	1,100	1·716
	(c) Goa, Daman & Diu.	..	..	..	..	..	..	..	..
	(d) Himachal Pradesh.	..	..	..	..	..	..	..	..
	(e) Laccadive, Minicoy and Amindive Islands.	..	..	..	..	..	..	..	..
	(f) Manipur	..	..	..	..	..	..	..	..
	(g) Pondicherry	..	..	..	..	..	..	..	..
	(h) Tripura	..	..	..	..	..	..	..	..
18	Damodar Valley Corporation.	560,000	2,657·215	..	..	..	..	560,000	2,657·215
	TOTAL	2,277,205	8,492·875	91,600	314·625	1,235,770	5,582·391	3,604,575	14,389·89 ¹

TABLE 15.—INSTALLED GAS TURBINE AND 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	33,710*	21·606†	..	..	..	..	33,710	21·606
2	Assam	33,059**	21·562	..	..	5,803	10·690	38,862	32·252
3	Bihar	14,108	26·389	..	..	5,626	8·500	19,734	34·889
4	Gujarat	45,766	55·310	2,800	4·583	12,270	14·043	60,836	73·936
5	Jammu & Kashmir	1,536	..	..	..	..	..	1,536	..
6	Kerala	1,005	..	..	..	..	..	1,005	..
7	Madhya Pradesh	21,971	17·826	..	..	2,234	2·419	24,205	20·245
8	Madras	6,000	0·378	..	..	..	..	6,000	0·378
9	Maharashtra	29,444	36·833	2,182	0·391	18,088	34·684	49,714	71·908
10	Mysore	25,942*	14·103‡	..	..	6,323	12·553	32,265	26·656
11	Nagaland	725	1·013	..	..	..	..	725	1·013
12	Orissa	4,424	1·575	..	..	..	..	4,424	1·575
13	Punjab	12,903	0·099	1,910	0·458	2,569	0·747	17,382	1·304
14	Rajasthan	21,559	14·510	705	0·552	8,285	21·681	30,549	36·743
15	Uttar Pradesh	34,940	16·721	3,984	1·772	2,343	0·836	41,267	19·329
16	West Bengal	5,578	10·383	1,240	2·088	2,962	2·273	9,780	14·744
17	Union Territories—								
	(a) Delhi . . . . .	..	..	22,630	2·404	..	..	22,630	2·404
	(b) Andaman & Nicobar Islands	330	0·405	..	..	..	..	330	0·405
	(c) Goa, Daman & Diu	3,522	5·153	..	..	2,040	3·126	5,562	8·279
	(d) Himachal Pradesh	270	0·001	..	..	..	..	270	0·001
	(e) Laccadives, Minicoy & Amindivi Islands	141	0·041	..	..	..	..	141	0·041
	(f) Manipur	1,850	2·676	..	..	..	..	1,850	2·676
	(g) Pondicherry . . . . .	..	..	..	..	..	..	..	..
	(h) Tripura	1,803	3·959	..	..	..	..	1,803	3·959
18	Damodar Valley Corporation . . . . .	..	..	..	..	..	..	..	..
	TOTAL	300,586	250·543	35,451	12·248	68,543	111·552	404,580	374·343

* Includes 20,000 kW of gas turbine plant.

** Includes 12,500 kW of gas turbine plant.

† Includes 18·213 MWh generated by gas turbine plant.

‡ Includes 7·646 MWh generated by gas turbine plant.

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 (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	207,000	1,122·838	..	..	..	..	207,000	1,122·838
2	Assam	26,400	36·089	..	..	1,540	5·558	27,940	41·647
3	Bihar . . . . .	..	..	..	..	..	..	..	..
4	Gujarat . . . . .	..	..	..	..	..	..	..	..
5	Jammu & Kashmir	26,052	93·602	..	..	..	..	26,052	93·602
6	Kerala	192,500	795·108	..	..	..	..	192,500	795·108
7	Madhya Pradesh	92,000	499·427	..	..	..	..	92,000	499·427
8	Madras	611,650	2,078·713	..	..	..	..	611,650	2,078·713
9	Maharashtra	247,824	1,715·544	..	..	276,064	1,200·006	523,888	2,915·550
10	Mysore	319,500	1,384·028	..	..	..	..	319,500	1,384·028
11	Nagaland . . . . .	..	..	..	..	..	..	..	..
12	Orissa	270,012	990·985	..	..	..	..	270,012	990·985
13	Punjab	653,326	3,197·300	17,750	10·823	..	..	655,076	3,208·123
14	Rajasthan . . . . .	..	..	..	..	..	..	..	..
15	Uttar Pradesh	346,705	1,290·994	4,150	10·527	..	..	350,855	1,301·521
16	West Bengal	5,548	17·314	1,960	5·316	..	..	7,508	22·630
17	<i>Union Territories :</i>								
	(a) Delhi . . . . .	..	..	..	..	..	..	..	..
	(b) Andaman & Nicobar Islands . . . . .	..	..	..	..	..	..	..	..
	(c) Goa, Daman & Diu	745	2·326	..	..	..	..	745	2·326
	(d) Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..
	(e) Laccadive, Minicoy and Amindive Islands . . . . .	..	..	..	..	..	..	..	..
	(f) Manipur . . . . .	..	..	..	..	..	..	..	..
	(g) Pondicherry . . . . .	..	..	..	..	..	..	..	..
	(h) Tripura . . . . .	..	..	..	..	..	..	..	..
18	Damodar Valley Corporation	104,000	342·347	..	..	..	..	104,000	342·347
	TOTAL	3,103,262	13,566·615	7,860	26·666	277,604	1,205·564	3,388,726	14,798·845

TABLE 17.—AGGREGATE GENERATING MAXIMUM DEMAND BY OWNERSHIP

Sl. No.	Name of State/Union Territory/Power Corporation	State Electricity Board/Govt./Power corporation	Municipality	Company	Total
1	Andhra Pradesh	283,627	..	..	283,627
2	Assam	17,248	..	5,235	22,483
3	Bihar	27,320	..	21,868	49,188
4	Gujarat	208,218	1,916	224,610	434,744
5	Jammu & Kashmir	19,700	..	..	19,700
6	Kerala	190,700	..	..	190,700
7	Madhya Pradesh	266,374	..	16,036	282,410
8	Madras	896,070	..	..	896,070
9	Maharashtra	486,007	257	485,818	972,082
10	Mysore	309,111	..	2,869	311,980
11	Nagaland	504	..	..	504
12	Orissa	196,810	..	..	196,810
13	Punjab	588,167	2,340	824	591,331
14	Rajasthan	38,362	520	6,715	45,597
15	Uttar Pradesh	573,195	4,490	33,870	611,555
16	West Bengal	47,187	2,226	516,079	565,492
17	<i>Union Territories—</i>				
	(a) Delhi . . . . .	..	106,050	..	106,050
	(b) Andaman & Nicobar Islands	568	..	..	568
	(c) Goa, Daman & Diu	1,943	..	840	2,783
	(d) Himachal Pradesh	831	..	..	831
	(e) Laccadive Minicoy and Amindive Islands	38	..	..	38
	(f) Manipur	1,037	..	..	1,037
	(g) Pondicherry . . . . .	..	..	..	..
	(h) Tripura	1,317	..	..	1,317
18	Damodar Valley Corporation	670,300	..	..	670,300
	TOTAL .	4,824,634	117,799	1,314,764	6,257,197

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					
1	2	3	4	5	6	7	8	9
Upto 1,000	4	2,570	0.07	3.309	18.64	7.3	3.6	14.7
1001 to 10,000	34	178,900	4.96	332.088	1,033.51	5.8	10.4	21.2
10,001 to 50,000	29	611,830	16.98	2,136.184	2,894.95	4.7	15.3	39.9
50,001 to 100,000	6	472,000	13.10	1,623.104	2,415.84	5.1	21.5	39.3
Over 100,000	14	2,339,275	64.89	10,295.206	10,912.54	4.7	24.7	50.2
TOTAL	87	3,604,575	100.00	14,389.891	17,275.48	4.8	21.7	45.6

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

Over-all thermal efficiency	No. of generating stations	Aggregate installed plant capacity	Energy generated by the group (million kWh)
Under 10%	22	123,300	220.142
Above 10% but below 15%	29	580,320	1,757.841
Above 15% but below 20%	14	554,785	1,733.264
Above 20% but below 25%	9	924,070	4,708.909
Above 25% but below 30%	6	1,085,500	5,479.243
Above 30%	3	327,000	490.492
TOTAL	83	3,594,975	14,389.891

NOTE.—4 Power stations with aggregate capacity of 9,600 kW were idle and did not generate any electricity.

TABLE 20.—CLASSIFICATION OF GAS TURBINE AND 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 (Tonnes)	Fuel consumption in kilogram/kWh generated	Average plant load factor %
		Group total (kW)	Percentage of total				
A. Gas Turbine Power Stations—							
Upto 10,000	3	52,500	100.0	25.859	13,853	0.54	5.6
10,001 to 20,000							
TOTAL	3	52,500	100.0	25.859	13,853	0.54	5.6
B. Diesel Power Stations—							
Up to 500	326	65,396	18.6	58.665	22,390	0.38	10.2
501 to 1,000	69	49,424	14.0	53.763	18,770	0.35	12.4
1,001 to 2,500	68	109,971	31.2	113.117	34,084	0.30	11.6
2,501 to 5,000	18	65,763	18.7	63.708	19,390	0.30	11.1
5,001 to 10,000	9	61,616	17.5	59.231	16,524	0.28	11.0
TOTAL	490	352,080	100.0	348.484	111,158	0.32	11.3

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		
Upto 1,000 .	23	3,178	0.1	15.443	55.5
1,001 to 10,000 .	20	77,112	2.3	290.760	43.0
10,001 to 50,000	22	700,086	20.6	2,905.763	74.4
50,001 to 100,000	11	802,350	23.7	2,994.087	42.6
Over 100,000 .	9	1,806,000	53.3	8,592.792	54.3
TOTAL .	85	3,388,726	100.0	14,798.845	49.9

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	644	7,376,968	99.71	29,520.949	99.86
Alternating current and Direct current	8	A.C. 10,063	0.14	30.059	0.10
		D.C. 3,398	0.05	3.081	0.01
Direct current .	13	7,452	0.10	8.990	0.03
SUB-TOTAL .	665	A.C. 7,387,031	99.85	29,551.008	99.96
		D.C. 10,850	0.15	12.071	0.04
TOTAL .	665	7,397,881	100.00	29,563.079	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		Percentage of total installed plant capacity
	No. of sets	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	
1. <i>Steam Turbines</i> —											
A. C. generators . . .	213	1,716,305	7	560,000	12	91,600	92	1,234,100	324	3,602,005	48.7
D. C. generators . . .	..	..	..	..	..	..	..	..	..	..	..
SUB-TOTAL . . .	213	1,716,305	7	560,000	12	91,600	92	1,234,100	324	3,602,005	48.7
2. <i>Reciprocating Steam Engines</i> —											
A. C. generators . . .	5	900	..	..	..	..	6	1,400	11	2,300	..
D. C. generators . . .	..	..	..	..	..	..	3	270	3	270	..
SUB-TOTAL . . .	5	900	..	..	..	..	9	1,670	14	2,570	..
3. <i>Gas Turbines</i> —											
A. C. generators . . .	5	52,500	..	..	..	..	..	..	5	52,500	0.7
D. C. generators . . .	..	..	..	..	..	..	..	..	..	..	..
SUB-TOTAL . . .	5	52,500	..	..	..	..	..	..	5	52,500	0.7
4. <i>Diesel Engines</i> —											
A. C. generators . . .	1,304	246,094	..	..	91	35,451	303	59,955	1,698	341,500	4.6
D. C. generators . . .	20	1,992	..	..	..	..	63	8,588	83	10,580	0.2
SUB-TOTAL . . .	1,324	348,086	..	..	91	35,451	366	68,543	1,781	352,080	4.8
5. <i>Water Turbines</i> —											
A. C. generators . . .	216	2,999,262	6	104,000	21	7,860	25	277,604	268	3,388,726	45.8
D. C. generators . . .	..	..	..	..	..	..	..	..	..	..	..
SUB-TOTAL . . .	216	2,999,262	6	104,000	21	7,860	25	277,604	268	3,388,726	45.8
6. <i>Total</i> —											
A. C. generators . . .	1,743	5,015,061	13	664,000	124	134,911	426	1,573,059	2,306	7,387,031	99.8
D. C. generators . . .	20	1,992	..	..	..	..	66	8,858	86	10,850	0.2
GRAND TOTAL . . .	1,763	5,017,053	13	664,000	124	134,911	492	1,581,917	2,392	7,397,881	100.0

TABLE 24.—CLASSIFICATION OF STEAM POWER PLANT ACCORDING TO THE SIZE OF THE SETS

Size of Generating Sets	State Electricity Board/Government		Power Corporation		Municipality		Private Sector		Total		Percentage of total steam plant
	No. of sets	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	No. of set	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	No. of sets	Aggregate plant capacity (kW)	
(1) <i>A. C. Plant—</i>											
Under 1,000 kW . . .	43	31,230	..	..	..	..	11	5,900	54	37,130	1.3
1,001 to 2,000 kW . . .	27	42,500	..	..	3	5,500	16	23,600	46	71,600	1.99
2,001 to 5,000 kW . . .	81	309,475	..	..	3	10,500	23	89,500	107	409,475	11.36
5,001 to 10,000 kW . . .	22	194,750	..	..	5	39,600	14	96,500	41	330,850	9.18
10,001 to 15,000 kW . . .	20	281,500	..	..	..	..	12	172,500	32	454,000	12.60
15,001 to 20,000 kW . . .	5	90,750	..	..	..	..	4	80,000	9	170,750	4.74
20,001 to 30,000 kW . . .	13	390,000	..	..	..	..	11	330,000	24	720,000	19.97
30,001 to 50,000 kW . . .	5	250,000	..	..	1	36,000	2	100,000	8	386,000	10.71
Over 50,000 kW . . .	2	127,000	7	560,000	..	..	5	337,500	14	1,024,500	28.42
SUB-TOTAL . . .	218	1,717,205	7	560,000	12	91,600	98	1,235,500	335	3,604,305	100.00
(2) <i>D. C. Plant—</i>											
201 to 300 kW . . .	..	..	..	..	..	..	3	270	3	270	0.00
TOTAL . . .	218	1,717,205	7	560,000	12	91,600	101	1,235,770	338	3,604,575	100.00

TABLE 25.— CLASSIFICATION OF GAS TURBINE AND DIESEL POWER PLANT ACCORDING TO THE SIZE OF THE SETS

Size of Generating Sets	PUBLIC SECTOR						PRIVATE SECTOR		TOTAL		Percentage of total plant capacity
	State Electricity Board/Government		Power Corporation		Municipalities		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>Gas Turbine Plant—</i>											
<i>1. A. C. Plant—</i>											
Upto 10,000 kW	4	40,000	..	..	..	..	..	..	4	40,000	76.2
From 10,001 to 15,000	1	12,500	..	..	..	..	..	..	1	12,500	23.8
<i>2. D. C. Plant</i>											
..	..	..	..	..	..	..	..	..	..	..	0.0
TOTAL	5	52,500	..	..	..	..	..	..	5	52,500	100.00
<i>(1) A. C. Plant—</i>											
Under 100 kW	671	41,759	..	..	38	1,754	146	8,297	855	51,810	14.7
101 to 200 kW	268	40,133	..	..	12	1,928	65	10,444	345	52,505	14.9
201 to 300 kW	190	48,987	..	..	14	3,779	39	10,609	243	63,375	18.0
301 to 500 kW	73	31,565	..	..	4	1,680	29	11,646	106	44,891	12.8
501 to 1,000 kW	90	66,468	..	..	7	4,460	19	13,471	116	84,399	24.0
1,001 to 2,000 kW	12	17,182	..	..	11	11,150	5	5,488	28	33,820	9.6
2,001 to 5,000 kW . . . . .	..	..	..	..	5	10,700	..	..	5	10,700	3.0
SUB-TOTAL	1,304	246,094	..	..	91	35,451	303	59,955	1,698	341,500	97.0
<i>(2) D. C. Plant—</i>											
Under 100 kW	13	972	..	..	..	..	30	1,519	43	2,491	0.7
101 to 200 kW	6	720	..	..	..	..	21	3,466	27	4,186	1.2
201 to 300 kW	1	300	..	..	..	..	5	1,136	6	1,436	0.4
301 to 500 kW . . . . .	..	..	..	..	..	..	7	2,467	7	2,467	0.7
501 to 1,000 kW . . . . .	..	..	..	..	..	..	..	..	..	..	..
1,001 to 2,000 kW . . . . .	..	..	..	..	..	..	..	..	..	..	..
2,001 to 5,000 kW . . . . .	..	..	..	..	..	..	..	..	..	..	..
SUB-TOTAL	20	1,992	..	..	..	..	63	8,588	83	10,580	3.0
TOTAL	1,324	248,086	..	..	91	35,451	366	68,543	1,781	352,080	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
	State Electricity Board/Government		Power Corporation		Municipality		Company		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)			
(1) <i>A. C. Plant—</i>											
Under 1,000 kW . . .	51	11,112	..	..	21	7,860	7	1,604	79	20,576	0.6
1,001 to 2,000 kW . . .	12	18,800	2	4,000	..	..	..	..	14	22,800	0.7
2,001 to 5,000 kW . . .	23	79,700	..	..	..	..	..	..	23	79,700	2.4
5,001 to 10,000 kW . . .	46	364,050	..	..	..	..	..	..	46	364,050	10.7
10,001 to 15,000 kW . . .	27	347,600	..	..	..	..	12	144,000	39	491,600	14.5
15,001 to 20,000 kW . . .	11	215,000	3	60,000	..	..	..	..	14	275,000	8.1
20,001 to 30,000 kW . . .	18	429,900	..	..	..	..	6	132,000	24	561,900	16.6
30,001 to 50,000 kW . . .	17	694,000	1	40,000	..	..	..	..	18	734,000	21.6
Over 50,000 kW . . .	11	839,100	..	..	..	..	..	..	11	839,100	24.8
SUB-TOTAL . . .	216	2,999,262	6	104,000	21	7,860	25	277,604	268	3,388,726	100.00
(2) <i>D. C. Plant—</i>	..	..	..	..	..	..	..	..	..	..	—
TOTAL . . .	216	2,999,262	6	104,000	21	7,860	25	277,604	268	3,388,726	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	
				State Electricity Board/Government		Power Corporation		Municipality		Company			
				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>Alternating Current—</i>													
1	3	33 kV	S	..	..	..	..	..	..	10	330,000	10	330,000
2	3	10.5 to 13.2/15 kV	D	..	..	..	..	..	..	..	..	..	..
			H	..	..	..	..	..	..	..	..	..	..
			S	75	1,154,025	7	560,000	3	55,200	24	570,000	109	2,339,225
			G	5	52,500	..	..	..	..	..	..	5	52,500
			D	15	16,388	..	..	17	22,630	..	..	32	39,018
			H	135	2,641,750	6	104,000	..	..	6	132,000	147	2,877,750
3	3	6 to 6.6 kV	S	69	391,250	..	..	9	36,400	25	257,000	103	684,650
			D	13	4,540	..	..	..	..	7	59,400	20	9,940
			H	17	280,000	..	..	2	1,000	..	..	19	281,000
4	3	5 to 5.5 kV	S	2	27,500	..	..	..	..	..	..	2	27,500
			D	..	..	..	..	..	..	..	..	..	..
			H	..	..	..	..	..	..	12	144,000	12	144,000
5	3	3 to 3.9 kV	S	50	119,300	..	..	..	..	37	74,725	87	194,025
			D	100	45,645	..	..	12	2,950	59	21,210	171	69,805
			H	9	10,288	..	..	7	2,110	3	1,054	19	13,452
6	3	2 to 2.3 kV	S	10	12,600	..	..	..	..	..	..	10	12,600
			D	2	800	..	..	4	1,910	3	1,207	9	3,917
			H	16	60,224	..	..	5	1,750	4	550	25	62,524
7	3	400 to 460 V	S	12	12,530	..	..	..	..	2	3,775	14	16,305
			D	1,164	178,448	..	..	57	7,936	230	31,680	1,451	218,064
			H	38	6,988	..	..	7	3,000	..	..	45	9,988
8	1	230 Volts	S	..	..	..	..	..	..	..	..	..	..
			D	10	273	..	..	1	25	4	458	15	756
			H	1	12	..	..	..	..	..	..	1	12
<i>Direct Current—</i>													
9	3 Wire	400—500 V	S	..	..	..	..	..	..	3	270	3	270
			D	20	1,992	..	..	..	..	59	8,547	79	10,539
10	2 Wire	220 Volts	S	..	..	..	..	..	..	..	..	..	..
			D	..	..	..	..	..	..	4	41	4	41
			H	..	..	..	..	..	..	..	..	..	..
			S	218	1,717,205	7	560,000	12	91,600	101	1,235,770	338	3,604,575
			D	1,324	248,086	..	..	91	35,451	366	68,543	1,781	352,080
			H	216	2,999,262	6	104,000	21	7,860	25	277,604	268	3,388,726
			G	5	52,500	..	..	..	..	..	..	5	52,500
		TOTAL		1,763	5,017,053	13	664,000	124	134,911	492	1,581,917	2,392	7,397,881

S—Steam, G—Gas turbine, D—Diesel, H—Hydro

TABLE 28.—FUEL CONSUMPTION

Sl. No.	Name of State/Union Territory/ Power Corporation	Steam Power Station						Gas Turbine and Diesel Power Stations		
		Coal (Tonnes)	Furnace oil (Tonnes)	Natural and other gaseous fuel (Cubic metre)	Heat input (10 ⁹ K. Cal)	Generation (million kWh)	Average heat input in K. Cal/kWh generated	Oil consumption (Tonnes)	Generation (million kWh)	Average fuel consumption in Kg./kWh generated
1	Andhra Pradesh	296,431	2,505	..	1,509	244·527	6,175	11,341¶	21·606§	0·52
2	Assam . . . . .	..	..	..	..	..	..	10,157	32·252	0·31
3	Bihar	173,602	..	..	1,100	180·875	6,083	11,153	34·889	0·32
4	Gujarat	1,337,433	22,481	15,777,375*	7,567	1,861·30	4,065	22,997	73·936	0·31
5	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..
6	Kerala . . . . .	..	..	..	..	..	..	..	..	..
7	Madhya Pradesh	820,861	..	..	3,710	745·376	4,978	6,129	20·245	0·30
8	Madras	1,862,979@	15,199	..	5,634	1,746·451	3,227	115	0·378	0·30
9	Maharashtra	1,014,761	233,068†	41,502,000*	8,261	2,094·327	3,945	21,246	71·908	0·30
10	Mysore . . . . .	..	2,680	..	26	1·654	16,273	10·269§	26·656‡	0·39
11	Nagaland . . . . .	..	..	..	..	..	..	445	1·013	0·44
12	Orissa . . . . .	..	..	..	..	..	..	1,098	1·575	0·70
13	Punjab	3,221	..	..	20	3·346	6,140	404	1·304	0·31
14	Rajasthan	115,167	1,295	..	739	94·949	7,792	12,501	36·743	0·34
15	Uttar Pradesh	1,161,523	194	..	7,209	1,310·191	5,503	6,220	19·328	0·32
16	West Bengal	2,112,739	6,340	..	11,998	3,133·338	3,829	5,390	14·744	0·37
17	Union Territories—									
	(a) Delhi	223,065	2,704	..	1,346	314·625	4,280	550	2·404	0·23
	(b) Andaman and Nicobar.	17,830***	43	..	89	1·716	52,208	130	0·405	0·32
	(c) Goa, Daman and Diu . . . . .	..	..	..	..	..	..	2,628	8·279	0·32
	(d) Himachal Pradesh . . . . .	..	..	..	..	..	..	..	0·001	..
	(e) Laccadive Minicoy and Amindivi Islands. . . . .	..	..	..	..	..	..	23	0·042	0·55
	(f) Manipur . . . . .	..	..	..	..	..	..	926	2·676	0·35
	(g) Pondicherry . . . . .	..	..	..	..	..	..	..	..	..
	(h) Tripura . . . . .	..	..	..	..	..	..	1,289	3·959	0·33
18	Damodar Valley Corporation.	1,427,013	4,013	3,953,672****	7,639	2,657·215	2,875	..	..	..
	ALL INDIA	10,566,625	290,552	61,233,047	56,854	14,389·891	3,951	125,011	374·343	0·33

*Natural gas.
 **Refinery gas.
 ***Wood.
 ****Coke oven gas.
 @Includes 1,513,849 tonnes of ligni.
 †Hot Refinery stock.
 ¶Includes 9,975 tonnes of oil used by gas turbine plant.
 §Includes 3,878 tonnes of oil used by gas turbine plant.
 §Includes 18·213 kWh generated by gas turbine plant.
 ‡Includes 7·646 kWh generated by gas turbine plant.

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		
						Percentage share	Installed plant capacity (kW)	Energy off-take (million kWh)
1	Machkund Hydro Power Station	120,000	777·626	2·567	Andhra Pradesh	70	84,000	656·794
					Orissa	30	36,000	78·886
2	Tungabhadra Right Bank & Hampi Hydro Power Stations	72,000	300·866	2·431	Andhra Pradesh	80	57,600	233·223
					Mysore	20	14,400	46·809
3	Gandhisagar Hydro Power Station	92,000	499·427	0·863	Madhya Pradesh	50	46,000	243·096
					Rajasthan	50	46,000	250·398
4	Bhakra, Ganguwal and Kotla Hydro Power Stations	604,500	3,041·565	6·218	Punjab	84·78	512,495	2,976·945
					Rajasthan	15·22	92,005	58·402

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

Sl. No.	Name of State or Union Territory	Population (Million)	Area in square kilometre	Installed plant capacity (kW)	Installed plant capacity per 1000 of population (kW)	Installed plant capacity per square kilometre (kW)	Total energy consumed (million kWh)	Energy consumed per 1000 of population (kWh)	Energy consumed per square kilometre (kWh)
1	Andhra Pradesh	39.10	275,281	273,810	7.00	0.99	894.075	22,866	3,248
2	Assam	13.45	121,966	66,802	4.97	0.55	59.756	4,443	484
3	Bihar	51.28	174,038	517,504	10.09	2.97	1,742.889	33,988	10,014
4	Gujarat	23.20	187,114	543,436	23.42	2.90	1,577.201	67,983	8,429
5	Jammu & Kashmir	3.78	222,800	29,088	7.70	0.13	102.500	27,116	460
6	Kerala	18.82	38,855	193,505	10.28	4.98	677.918	36,021	17,447
7	Madhya Pradesh	36.03	443,452	308,605	8.41	0.70	866.371	24,046	1,954
8	Madras	36.23	130,357	969,150	26.75	7.43	2,818.003	77,781	21,617
9	Maharashtra	44.18	307,447	1,076,852	24.37	3.50	4,281.119	96,901	13,209
10	Mysore	26.06	192,204	367,265	14.09	1.91	1,245.860	47,807	6,482
11	Nagaland	0.40	16,488	725	1.81	0.04	0.842	2,115	51
12	Orissa	19.30	155,825	316,186	16.38	2.03	882.281	45,714	5,662
13	Punjab	23.17	122,004	598,553	25.83	4.91	2,396.388	103,426	19,569
14	Rajasthan	22.82	342,273	217,054	9.51	0.63	356.332	15,615	1,041
15	Uttar Pradesh	81.16	294,364	774,357	9.54	2.63	1,883.923	23,212	6,400
16	West Bengal	39.24	87,617	1,018,958	25.97	11.63	3,792,299	96,644	43,283
17	Union Territories —								
	(a) Delhi	3.30	1,484	114,230	34.62	76.97	556.766	171,747	381,918
	(b) Andaman and Nicobar Islands	0.08	8,327	1,430	17.88	0.17	1.571	19,637	189
	(c) Goa, Daman and Diu	0.72	4,182	5,562	7.73	1.33	7.141	9,918	1,708
	(d) Himachal Pradesh	1.49	28,192	1,015	0.68	0.04	8.610	5,778	305
	(e) Laccadive, Minicoy and Amindivi Islands	0.03	28	141	4.70	5.04	0.037	1,233	1,321
	(f) Manipur	0.92	22,347	1,850	2.01	0.08	1.855	2,016	83
	(g) Pondicherry	0.40	479	..	..	..	52.392	130,980	109,378
	(h) Tripura	1.30	10,453	1,803	1.39	0.17	3.140	2,415	300
	ALL INDIA	486.46	3,187,577	7,397,881	15.21	2.32	24,219.269	49,787	7,598

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NOTE.—The installed plant capacities of Andhra Pradesh, Madhya Pradesh, Mysore, Orissa, Punjab and Rajasthan take into account only their share of the jointly owned power stations. The installed plant capacities of Bihar and West Bengal include 439,000 kW and 225,000 kW of the Damodar Valley Corporation respectively.

TABLE 31.—UTILISATION OF ELECTRICITY GENERATED AND PURCHASED

Sl. No.	Item	Million kWh	Percentage of Item 3
1	Energy generated	29,563·079	99·9
2	Energy purchased from non-electric utilities	28·572	0·1
3	Total	29,591·651	100·0
4	Energy used by power station auxiliaries	1,303·267	4·4
5	Energy sent out	28,288·384	95·6
6	Energy sold to ultimate consumers	24,219·269	81·8
7	Energy lost in transformation transmission and distribution and unaccounted for	4,069·115	13·8

TABLE 32.—ELECTRICITY GENERATION, PURCHASE, AND UTILISATION OF ENERGY

(Million kWh)

7-1 CW&PC/68

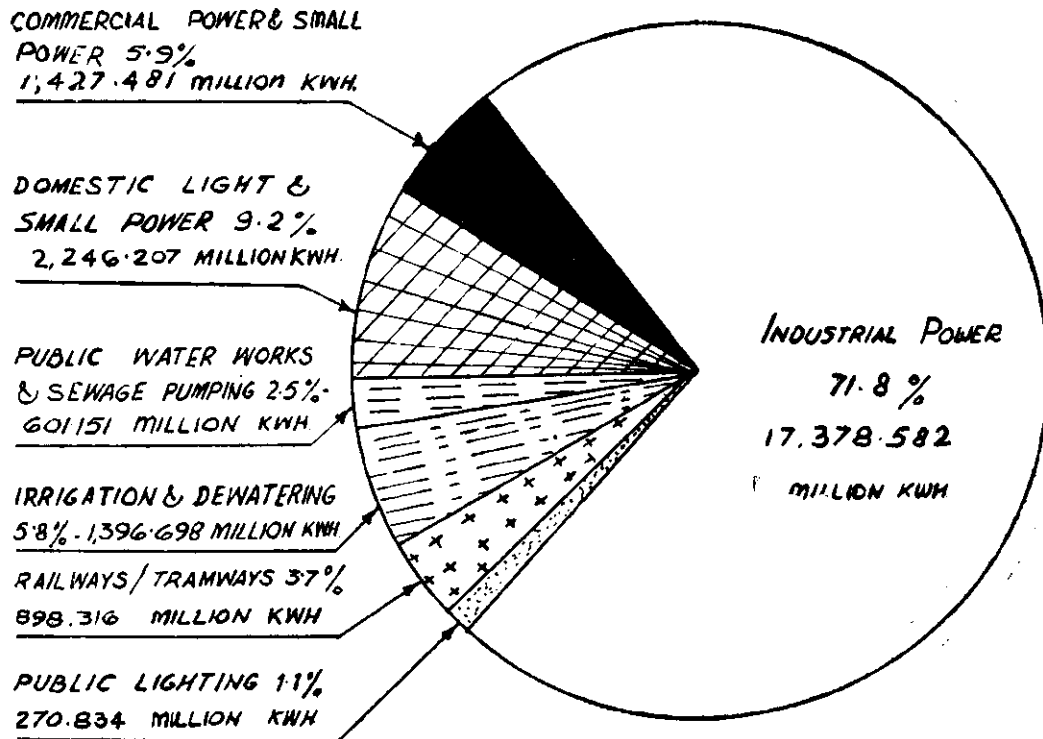
Sl. No.	State/Union Territory/Power-Corporation	Energy generated	Energy Purchased			Energy Sold			Total (8+9)	Transformation, Transmission and distribution losses and energy unaccounted for	
			From non-electric utilities	From Public utilities in the adjoining States	Energy used by power station auxiliaries	Energy sent out Cols. 3+4+5-6	To adjoining States	To consumers within the States		Million kWh	As percentage of Col. 7
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh .	1,388·971	0·771	9·985	21·745	1,377·982	125·695	894·075	1,019·770	358·212	26·00
2	Assam	73·899	..	..	2·245	71·654	..	59·756	59·756	11·898	16·60
3	Bihar	215·764	1·906	1,021·770	19·248	1,220·192	17·050	1,046·850	1,063·900	156·292	12·81
4	Gujarat	1,935·237	0·820	..	138·011	1,798·046	..	1,577·201	1,577·201	220·845	12·28
5	Jammu & Kashmir	93·602	..	31·273	1·375	123·500	..	102·510	102·500	21·000	17·00
6	Kerala	795·108	..	97·190	19·618	872·680	0·900	677·918	678·818	193·062	22·21
7	Madhya Pradesh	1,265·048	2·064	48·013	62·509	1,252·616	250·398	866·371	1,116·769	135·847	10·85
8	Madras	3,825·542	..	..	207·240	3,618·302	169·302	2,918·003	2,987·303	630·997	17·44
9	Maharashtra . . .	5,081·785	..	..	174·212	4,907·573	46·542	4,281·119	4,327·661	579·912	11·82
10	Mysore	1,412·338	..	46·809	16·719	1,442·428	..	1,245·860	1,245·860	196·568	13·63
11	Nagaland	1·013	..	..	0·012	1·001	..	0·842	0·842	0·159	15·88
12	Orissa	992·560	8·041	78·886	4·052	1,075·435	82·825	882·281	965·106	110·329	10·26
13	Punjab	3,212·773	..	..	7·701	3,205·072	451·349	2,396·388	2,847·737	357·335	11·15
14	Rajasthan	131·692	..	308·800	9·274	431·218	..	356·332	356·332	74·886	17·37
15	Uttar Pradesh . . .	2,631·041	..	31·675	107·327	2,555·389	190·725	1,883·923	2,074·648	480·741	18·81
16	West Bengal	3,170·712	..	998·113	220·175	3,948·650	179·560	3,436·244	3,615·804	332·846	8·43
17	<i>Union Territories—</i>										
	(a) Delhi	317·029	..	354·416	34·210	637·235	..	566·766	566·766	70·469	11·06
	(b) Andaman & Nicobar Islands.	2·121	..	..	0·218	1·903	..	1·571	1·571	0·332	17·45
	(c) Goa, Daman & Diu.	8·279	..	0·244	0·376	8·147	..	7·141	7·141	1·006	12·35
	(d) Himachal Pradesh.	2·327	..	7·258	0·022	9·563	..	8·610	8·610	0·953	9·97
	(e) Laccadive Minicoy & Amindivi Islands.	0·041	..	..	0·002	0·039	..	0·037	0·037	0·002	5·13
	(f) Manipur	2·676	..	..	0·046	2·630	..	1·855	1·855	0·775	29·47
	(g) Pondicherry . . .	..	..	63·027	..	63·027	..	52·392	52·392	10·635	16·87
	(h) Tripura	3·959	..	..	0·060	3·899	..	3·140	3·140	0·579	19·47
18	Damodar Valley Corporation.	2,999·562	14·790	348·955	256·870	3,106·617	1,932·068	1,052·094	2,984·162	122·455	3·94
	ALL INDIA	29563·079	28·572	..	1303·267	28,288·384	..	24219·269	24219·269	4069·115	14·38

TABLE 33.—ENERGY GENERATION, PURCHASE AND 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 the State	To adjoining States	To ultimate consumers of State Elec. Board/Government Depts./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 Pradesh	1,388.971	0.771	..	9.985	21.745	1,377.982	..	125.695	894.075	1,019.770	358.212	25.98
2	Assam	57.651	..	..	..	1.673	55.978	0.284	..	46.001	46.285	9.693	17.32
3	Bihar	99.030	..	..	921.280	11.493	1,008.817	67.238	17.050	793.744	878.032	130.785	12.96
4	Gujarat	695.052	0.820	266.600	..	68.013	894.459	214.431	..	550.352	764.783	129.676	14.50
5	Jammu & Kashmir	93.602	..	..	31.273	1.375	123.500	..	..	102.500	102.500	21.000	17.00
6	Kerala	795.108	..	..	97.190	19.618	872.680	47.559	0.900	635.875	684.334	188.346	21.58
7	Madhya Pradesh	1,182.265	2.064	15.825	48.013	57.327	1,190.840	7.005	250.398	805.082	1,062.485	128.355	10.78
8	Madras	3,825.542	..	..	..	207.240	3,618.302	332.331	166.831	2,526.259	3,025.421	592.881	16.38
9	Maharashtra	2,800.110	..	916.460	..	98.988	3,017.582	11,464.481	46.542	1,209.253	2,720.276	297.306	9.85
10	Mysore	1,399.785	..	..	46.809	14.538	1,432.056	11.001	..	1,226.286	1,237.287	194.769	13.60
11	Nagaland	1.013	..	..	..	0.012	1.001	..	..	0.842	0.842	0.159	15.88
12	Orissa	992.560	8.041	..	78.886	4.052	1,075.435	..	82.825	882.281	965.106	110.329	10.26
13	Punjab	3,200.745	..	..	..	7.350	3,193.395	57.719	451.349	2,337.071	2,846.139	347.256	10.87
14	Rajasthan	109.459	..	..	308.800	8.711	409.548	18.661	..	327.712	346.373	63.175	15.18
15	Uttar Pradesh	2,467.687	..	..	31.675	96.657	2,402.705	200.266	190.725	1,614.458	2,005.449	397.256	16.53
16	West Bengal	185.614	..	556.400	137.230	11.827	867.417	320.534	2.060	501.715	824.309	43.108	4.97
17	Union Territories—												
	(a) Delhi (DESU)	317.029	..	..	354.416	34.210	637.235	148.706	..	423.732	572.438	64.797	10.17
	(b) Andaman & Nicobar Islands.	2.121	..	..	..	0.218	1.903	..	..	1.571	1.571	0.332	17.45
	(c) Goa, Daman & Diu.	5.153	..	..	0.244	0.277	5.120	..	..	4.238	4.238	0.882	17.23
	(d) Himachal Pradesh.	2.327	..	..	7.258	0.022	9.563	..	..	8.610	8.610	0.953	9.97
	(e) Laccadive, Minicoy & Amindivi Islands.	0.041	..	..	..	0.002	0.039	..	..	0.037	0.037	0.002	5.13
	(f) Manipur	2.676	..	..	..	0.046	2.630	..	..	1.855	1.855	0.775	29.47
	(g) Pondicherry	..	..	..	59.656	..	59.656	..	..	49.445	49.445	10.211	17.12
	(h) Tripura	3.959	..	..	..	0.060	3.899	..	..	3.140	3.140	0.759	19.47
18	Damodar Valley Corporation.	2,999.562	14.970	177.500	171.455	256.870	3,106.617	961.373	970.695	1,052.094	2,984.162	122.455	3.94
	All State Electricity Boards/Departments/Power Corporation	22,627.062	26.666	1,332.785	..	922.324	23,064.189	3,852.489	..	15,998.228	19,850.717	3,213,472	13.93

ENERGY SALES IN 1964-65



TOTAL SALES DURING THE YEAR

24,219.269 MILLION KWH.

TABLE 34.—ENERGY SALES (CATEGORYWISE)

Sl. No.	Category	Energy sold in 1964-65 (Million kWh)	Percentage to total sales	Energy sold in 1963-64 (Million kWh)	Percentage increase over 1963-64 sales
1	Domestic light and small power	2,246·207	9·2	2,062·399	8·9
2	Commercial light and small power	1,427·481	5·9	1,179·716	21·0
3	Industrial power	17,378·582	71·8	15,841·834*	9·7
4	Public lighting	270·834	1·1	244·470	10·8
5	Railways/Tramways	898·316	3·7	755·581*	18·9
6	Irrigation and dewatering	1,396·698	5·8	1,153·180	20·9
7	Public water works and sewage pumping	601·151	2·5	556·797	8·0
	TOTAL	24,219·269	100·0	21,793·977*	11·1

*Revised.

TABLE 35.—ENERGY SALES

(Million kWh)

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 & fans	Industrial Power at low & medium voltage	Industrial power at high voltage	Public lighting	Railways/ Tramways	Irrigation and dewatering	Public water works and sewage pumping
1	Andhra Pradesh . . .	894.075	18.000	54.885	38.365	115.096	76.184	433.682	18.819	..	117.867	21.177
2	Assam	59.756	1.811	17.328	0.969	4.955	7.143	23.824	2.643	..	..	1.083
3	Bihar	1,742.889	5.003	61.220	6.351	43.862	93.264	1,212.181	4.918	268.054	22.349	25.687
4	Gujarat	1,577.201	29.093	87.704	23.066	29.458	177.619	1,069.919	21.602	..	80.553	58.187
5	Jammu & Kashmir*	102.500	3.230	45.600	1.290	1.900	28.500	11.650	1.940	..	1.940	6.450
6	Kerala	677.918	11.464	72.486	0.223	4.572	70.603	479.601	10.154	..	22.191	6.624
7	Madhya Pradesh . . .	866.371	9.277	69.978	4.946	22.878	86.156	613.856	13.034	..	8.903	37.343
8	Madras	2,818.003	45.446	157.926	69.138	190.681	225.821	1,349.745	50.167	19.662	683.805	25.612
9	Maharashtra	4,281.119	136.905	264.000	86.082	254.834	541.889	2,443.800	32.904	409.936	47.009	63.760
10	Mysore	1,245.860	20.181	94.595	5.748	18.818	114.442	850.041	25.544	..	44.059	72.432
11	Nagaland	0.842	0.001	0.648	..	..	0.073	..	0.068	..	..	0.052
12	Orissa	882.281	5.086	15.261	2.561	7.700	27.768	815.991	2.468	..	0.849	4.597
13	Punjab	2,396.388	23.631	75.455	20.766	61.406	317.263	1,752.196	10.964	..	124.759	9.048
14	Rajasthan	356.332	2.742	35.243	6.201	23.642	48.305	194.955	7.867	..	8.682	28.695
15	Uttar Pradesh** . . .	1,883.923	24.826	176.453	39.955	75.090	291.338	957.521	17.665	16.406	208.965	75.704
16	West Bengal	3,792.299	107.170	374.564	36.248	121.195	212.575	2,617.273	30.755	184.258	2.623	105.638
17	Union Territories—											
	(a) Delhi	566.766	56.063	131.533	29.671	71.372	100.112	98.735	16.568	..	5.912	56.800
	(b) Andaman & Nicobar Islands.	1.571	0.007	0.788	..	0.147	0.420	..	0.069	..	..	0.140
	(c) Goa, Daman & Diu**	7.141	0.263	1.374	0.236	1.422	3.064	..	0.747	..	..	0.035
	(d) Himachal Pradesh . .	8.610	0.469	1.760	0.626	2.234	2.812	0.122	0.448	..	0.001	0.138
	(e) Laccadive, Minicoy & Amindivi Islands.	0.037	0.002	0.020	0.001	0.006	..	..	0.008	..	..	..
	(f) Manipur	1.855	0.048	1.450	0.037	0.022	0.212	..	0.064	..	..	0.022
	(g) Pondicherry	52.392	0.268	2.644	0.671	2.757	2.932	24.528	1.334	..	16.231	1.027
	(h) Tripura	3.140	..	2.306	0.265	0.018	0.467	..	0.084	..	..	..
	TOTAL	24,219.269	500.986	1,745.221	373.416	1,054.065	2,428.962	14,949.620	270.834	898.316	1,396.698	601.151

*Estimated. **Partly Estimated.

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

Sl. 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	894.075	18.000	54.885	38.365	115.096	76.184	433.682	18.819	..	117.867	21.177
2	Assam	46.001	1.503	13.201	0.147	0.255	4.236	23.824	1.870	..	..	0.965
3	Bihar	793.744	1.882	27.021	5.522	25.107	79.011	494.181	2.679	119.730	22.011	16.600
4	Gujarat	550.352	7.801	35.036	3.460	8.071	57.193	343.129	9.780	..	72.281	13.601
5	Jammu & Kashmir*	102.500	3.230	45.600	1.290	1.900	28.500	11.650	1.940	..	1.940	6.450
6	Kerala	635.875	9.386	61.475	..	2.887	63.862	461.046	8.544	..	22.141	6.534
7	Madhya Pradesh	805.082	5.428	60.915	3.205	18.172	76.726	584.754	11.661	..	8.707	35.514
8	Madras	2,526.259	33.632	98.253	58.295	169.192	160.782	1,278.180	33.271	19.662	659.000	15.992
9	Maharashtra	1,209.253	9.118	58.962	18.667	61.371	135.437	398.775	16.534	409.936	44.945	55.508
10	Mysore	1,226.286	19.452	87.909	5.435	16.306	106.570	850.041	24.459	..	43.799	72.315
11	Nagaland	0.842	0.001	0.648	..	..	0.073	..	0.068	..	..	0.052
12	Orissa	882.281	5.086	15.261	2.561	7.700	27.768	815.991	2.468	..	0.849	4.597
13	Punjab	2,337.071	20.721	62.161	19.432	52.189	303.096	1,748.280	8.934	..	122.258	..
14	Rajasthan	327.712	1.991	25.835	4.268	22.749	41.936	191.907	6.359	..	8.507	24.160
15	Uttar Pradesh**	614.458	18.714	114.605	34.439	48.651	205.598	906.801	9.805	16.406	205.297	54.142
16	West Bengal	501.715	1.398	15.247	2.001	16.638	26.322	368.021	2.675	64.423	2.623	2.367
17	Union Territories—											
	(a) Delhi (DESU)	423.732	36.509	89.128	21.907	56.842	45.644	98.735	12.255	..	5.912	56.800
	(b) Andaman & Nicobar Islands	1.571	0.007	0.788	..	0.147	0.420	..	0.069	..	..	0.140
	(c) Goa, Daman and Diu**	4.238	0.188	1.099	0.165	1.068	1.038	..	0.645	..	..	00.035
	(d) Himachal Pradesh	8.610	0.469	1.760	0.626	2.234	2.812	0.122	0.448	..	0.001	0.138
	(e) Laccadive, Minicoy and Amindivi Islands.	0.037	0.002	0.020	0.001	0.006	..	..	0.008	..	..	..
	(f) Manipur	1.855	0.048	1.450	0.037	0.022	0.212	..	0.064	..	..	0.022
	(g) Pondicherry	49.445	0.254	2.037	0.510	2.380	2.433	23.748	1.002	..	16.231	0.850
	(h) Tripura	3.140	..	2.306	0.265	0.018	0.467	..	0.084	..	..	..
18	Damodar Valley Corporation	1,052.094	..	0.102	..	..	..	828.742	..	223.250	..	..
	ALL INDIA	15,998.228	194.820	875.704	220.598	629.001	1,446.320	9,861.609	174.441	853.407	1,354.369	387.959

*Estimated.

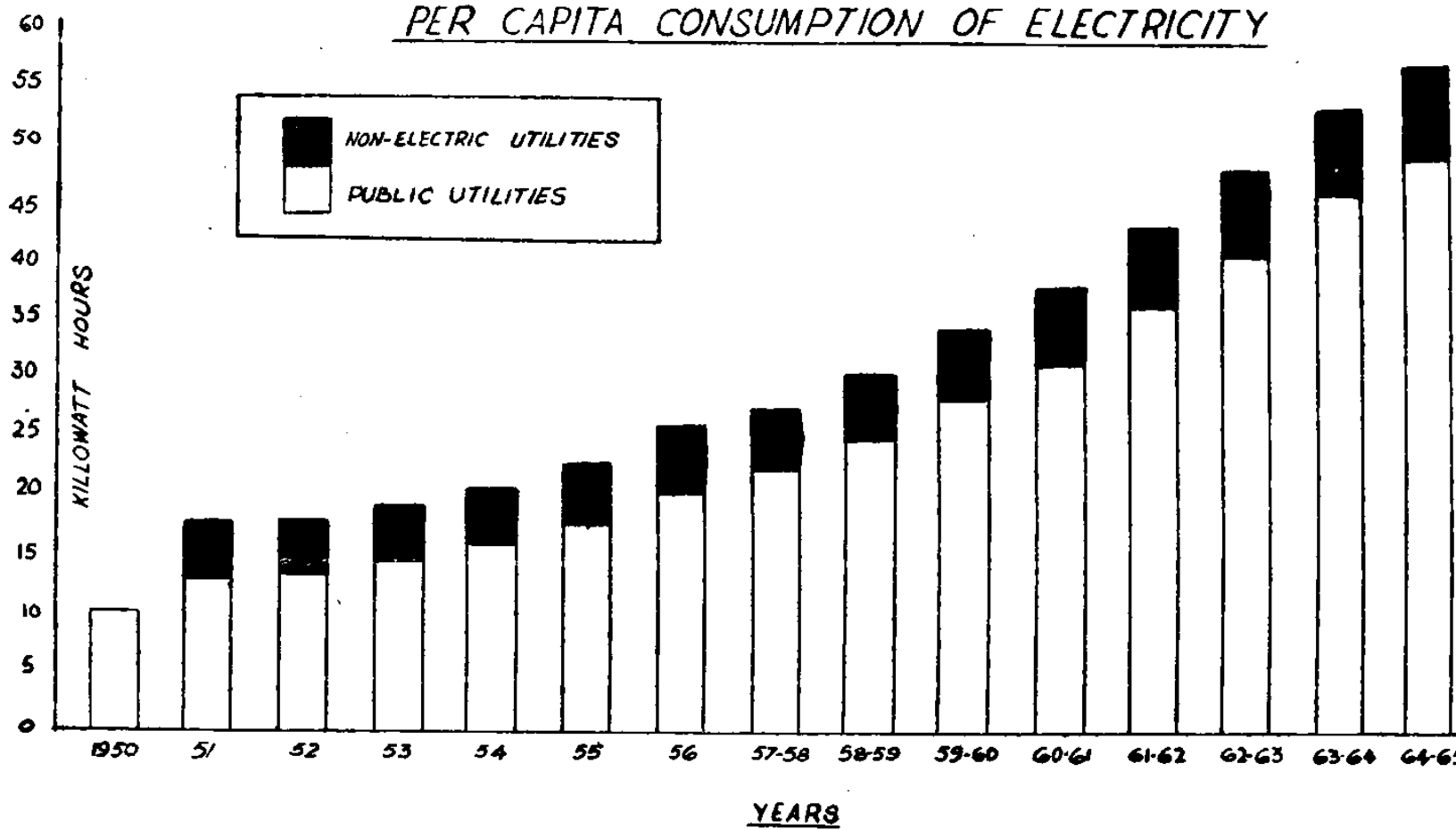
**Partly estimated.

TABLE 37.—ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY

Sl. No.	Name of State/Union Territory	Population (Million)	Public Utilities (kWh)					Non utilities* kWb	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	39.10	1.86	3.92	13.59	0.49	3.01	22.87	4.25	27.12
2	Assam	13.45	1.42	0.44	2.38	0.20	..	4.44	2.69	7.13
3	Bihar	51.28	1.29	0.98	31.19	0.10	0.44	34.00	20.41	54.41
4	Gujarat	23.20	5.03	2.26	56.29	0.93	3.47	67.98	5.10	73.08
5	Jammu & Kashmir	3.78	12.92	0.84	12.33	0.52	0.51	27.12	..	27.12
6	Kerala	18.82	4.46	0.25	29.59	0.54	1.18	36.02	0.43	36.45
7	Madhya Pradesh	36.03	2.20	0.77	20.47	0.36	0.25	24.05	7.43	31.48
8	Madras	36.23	5.61	7.17	44.75	1.38	18.87	77.78	0.92	78.70
9	Maharashtra	44.18	9.08	7.72	78.30	0.74	1.06	96.90	3.78	100.68
10	Mysore	26.06	4.40	0.94	39.80	0.98	1.69	47.81	3.96	51.77
11	Nagaland	0.40	1.63	..	0.31	0.17	..	2.11	..	2.11
12	Orissa	19.30	1.05	0.53	43.96	0.13	0.04	45.71	26.41	72.12
13	Punjab	23.17	4.28	3.55	89.75	0.47	5.38	103.43	3.23	106.66
14	Rajasthan	22.82	1.66	1.31	11.93	0.34	0.38	15.62	11.21	26.83
15	Uttar Pradesh	81.16	2.48	1.42	16.52	0.22	2.57	23.21	1.48	24.69
16	West Bengal	39.24	12.28	4.01	79.50	0.78	90.07	96.64	13.48	110.12
17	<i>Union Territories—</i>									
	(a) Delhi	3.30	56.85	30.62	77.47	5.02	1.79	171.75	31.87	203.62
	(b) Andaman & Nicobar Islands.	0.08	9.94	1.84	7.00	0.86	..	19.64	..	19.64
	(c) Goa, Daman and Diu .	0.72	2.27	2.31	4.30	1.04	..	9.92	..	9.92
	(d) Himachal Pradesh . .	1.49	1.50	1.92	2.06	0.30	..	5.78	..	5.78
	(e) Laccadive, Minicoy and Amindivi Islands.	0.03	0.73	0.23	..	0.27	..	1.23	..	1.23
	(f) Manipur	0.92	1.64	0.06	0.25	0.07	..	2.02	..	2.02
	(g) Pondicherry	0.40	7.28	8.57	71.21	3.34	40.57	130.98	0.87	131.85
	(h) Tripura	1.30	1.78	0.22	0.36	0.06	..	2.42	..	2.42
	ALL INDIA	486.46	4.62	2.93	38.81	0.56	2.87	49.79	7.28	57.07

*Figures exclude sales to Public Utilities by non-electric utilities.

PER CAPITA CONSUMPTION OF ELECTRICITY



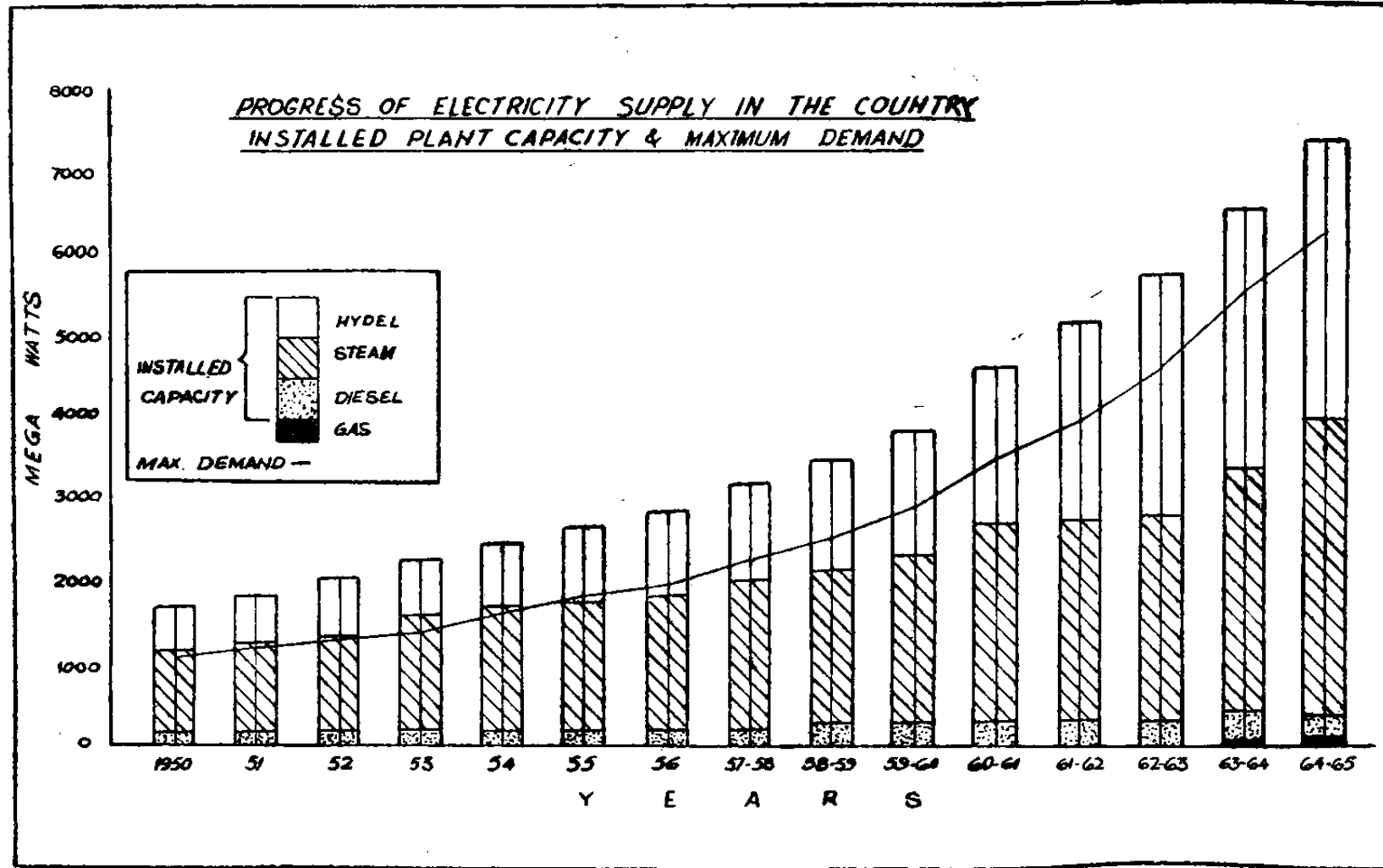


TABLE 38.—PROGRESS OF ELECTRICITY SUPPLY—ALL INDIA

Year	Installed Plant Capacity in kW				Aggregate of maximum demand generating (kW)	Energy generated (million kWh)	Energy generated per kW of plant 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	3,192	4,793,344	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 . . .	1,491,043	209,607	793,346	2,493,996	1,625,123	7,521·777	3,016	5,252·501	52·84	65·2
1955 . . .	1,546,805	208,529	939,483	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	1,989,774	9,662·133	3,348	7,959·345	55·43	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	12,993·886	3,700	10,718·610	58·33	72·4
1959-60 . . .	2,047,011	296,010	1,530,145	3,873,166	2,931,360	15,032·953	3,881	12,406·943	58·54	75·7
1960-61 . . .	2,436,255	300,135	1,916,661	4,653,051	3,545,930	16,937·012	3,640	13,952·716	54·53	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 . . .	2,537,693	327,152	2,936,349	5,801,194	4,635,049	22,364·972	3,855	18,679·021	55·08	79·9
1963-64* . . .	3,007,634	401,289	3,167,016	6,575,939	5,548,503	26,817·575	4,078	21,793·977	55·17	84·4
1964-65 . . .	3,604,575	404,580	3,388,726	7,397,881	6,257,197	29,563·079	3,996	24,219·269	53·93	84·6

*Revised.

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)—</i>					
Steam	46,000	46,000	83,500	83,500	83,500
Gas turbine . . . . .	..	..	..	20,000	20,000
Diesel	13,164	19,876	20,188	13,351	13,710
Hydro . . . . .	..	66,000	166,150	180,000	207,000
TOTAL	59,164	131,876	269,838	296,851	324,210
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	89·612	60·177	145·836	233·336	244·527
Gas turbine . . . . .	..	..	..	..	18·213
Diesel	14·328	9·661	5·450	4·706	3·393
Hydro . . . . .	..	169·364	748·743	1,036·606	1,122·838
TOTAL	103·940	239·202	900·029	1,274·648	1,388·971
Purchased from non-utilities and adjoining States.	..	..	1·040	5·582	10·756
Used by power station auxiliaries . . . . .	..	..	23·237	20·771	21·745
Energy sent out . . . . .	..	..	877·832	1,259·459	1,377·982
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	120·525	120·141	125·695
<i>(ii) Within the State—</i>					
Domestic light and small power	20·946	32·666	70·815	64·900	72·885
Commercial light and small power	18·657	33·810	30·321	107·842	153·461
Industrial power	44·297	88·641	393·331	506·578	509·866
Public lighting	5·878	9·032	14·863	15·510	18·819
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	4·905	10·458	54·827	101·858	117·867
Public water works and sewage pumping	3·493	6·410	7·399	25·657	21·177
TOTAL	98·176	181·017	571·556	822·345	894·075
Lost in transformation, transmission and distribution and unaccounted for.	..	..	185·751	316·973	358·212

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)—</i>					
Steam	200	622	..	..	..
Gas turbine . . . . .	..	..	..	..	12,500
Diesel	2,593	4,108	10,160	19,425	26,362
Hydro	550	550	9,270	9,940	27,940
TOTAL	3,343	5,280	19,430	29,365	66,802
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	0.001	..	..	..	..
Gas turbine . . . . .	..	..	..	..	..
Diesel	4.469	8.372	15.336	20.553	32.252
Hydro	2.130	2.897	20.883	36.549	41.647
TOTAL	6.600	11.269	36.219	57.102	73.899
Purchased from non-utilities and adjoining States.	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	1.273	2.183	2.245
Sent out . . . . .	..	..	34.946	54.919	71.654
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	..	..	..
<i>(ii) Within the State—</i>					
Domestic light and small power	2.080	3.331	9.897	14.531	19.139
Commercial light and small power	2.060	3.689	4.212	7.954	5.924
Industrial power	0.772	1.383	11.827	23.298	30.967
Public lighting	0.614	0.740	2.699	2.577	2.643
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering . . . . .	..	..	..	..	..
Public water works and sewage pumping	0.069	0.143	0.463	0.942	1.083
TOTAL	5.595	9.286	29.098	49.302	59.756
Lost in transformation, transmission and distribution and unaccounted for.	..	..	5.848	5.617	11.898

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	39,510	185,045	288,520	313,770	453,770
Diesel	7,486	15,396	18,373	22,704	19,734
Hydro . . . . .	..	4,000	44,000	44,000	44,000
TOTAL .	46,996	204,441	350,893	380,474	517,504
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	118·870	580·118	1,408·554	1,844·240	2,144·461
Diesel	13·162	20·964	44·624	49·200	34·889
Hydro . . . . .	..	2·153	143·655	184·326	169·117
TOTAL .	132·032	603·235	1,596·833	2,077·766	2,348·467
Purchased from non-utilities and adjoining States.	..	..	67·789	297·903	290·771
Used by power station auxiliaries .	..	..	98·629	156·338	192·973
Sent out . . . . .	..	..	1,565·993	2,185·431	2,446·265
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	457·839	490·272	479·498
(ii) Within the State—					
Domestic light and small power .	14·820	27·138	44·312	60·783	66·223
Commercial light and small power .	6·062	13·296	29·830	45·518	50·213
Industrial power	87·847	298·543	776·395	1,219·855	1,305·445
Public lighting	1·098	1·937	3·647	4·912	4·918
Railways/Tramways . . . . .	..	..	4·528	153·646	268·054
Irrigation and dewatering	4·599	4·272	18·255	19·453	22·349
Public water works and sewage pumping.	4·167	8·126	12·238	23·997	25·687
TOTAL .	118·593	353·312	889·205	1,528·164	1,742·889
Lost in transformation, transmission and distribution and unaccounted for.	..	..	218·949	200·895	223·878

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	1963-64	1964-65
Installed capacity (kW)					
Steam	108,930	183,600	280,900	355,600	482,600
Diesel	32,948	40,605	52,367	64,899	60,836
Hydro . . . . .	..	..	..	..	..
TOTAL .	141,878	224,205	333,267	420,499	543,436
Energy (Million kWh)					
Generation—					
Steam	316·405	739·372	1,209·144	1,629·269	1,861·301
Diesel	57·244	51·577	62·083	70·682	73·936
Hydro . . . . .	..	..	..	..	..
TOTAL .	373·649	790·949	1,271·227	1,699·951	1,935·237
Purchased from non-utilities and adjoining States.	..	..	..	0·711	0·820
Used by power station auxiliaries .	..	..	82·615	119·199	138·011
Sent out . . . . .	..	..	1,188·612	1,581·463	1,798·046
Sales—					
(i) To adjoining States . . . . .	..	..	..	..	..
(ii) Within the State—					
Domestic light and small power .	30·901	46·726	71·573	107·083	116·797
Commercial light and small power .	12·328	14·936	31·660	48·019	52·524
Industrial power	266·694	590·402	805·961	1,122·903	1,247·538
Public lighting	5·889	8·980	15·274	18·926	21·602
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	1·326	6·060	19·610	38·504	80·553
Public water works and sewage Pumping.	12·083	26·746	39·560	50·948	58·187
TOTAL .	329·221	693·850	983·638	1,386·383	1,577·201
Lost in transformation, transmission and distribution and unaccounted for.	..	..	204·974	195·080	220·845

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	1,500	1,500	1,500	1,500	1,500
Diesel	465	769	869	1,536	1,536
Hydro	4,514	10,606	10,612	29,252	26,052
TOTAL	6,479	12,875	12,981	32,288	29,088
<i>Energy Million (kWh)</i>					
<i>Generation—</i>					
Steam	1.774	..	..	..	..
Diesel	0.261	0.075	0.025	..	..
Hydro	23.479	23.896	43.489	89.491	93.602
TOTAL	25.514	23.971	43.514	89.491	93.602
Purchased from non-utilities and adjoining States.	..	..	17.500	29.295	31.273
Used by power station auxiliaries . . . . .	..	..	0.509	1.282	1.375
Sent out . . . . .	..	..	60.505	117.504	123.500
<i>Sales (Estimated)—</i>					
(i) To adjoining States . . . . .	..	..	..	..	..
(ii) Within the State—					
Domestic light and small power	7.660	8.864	22.500	46.392	48.830
Commercial light and small power	0.811	0.176	1.000	3.077	3.190
Industrial power	6.318	6.424	22.000	38.158	40.150
Public lighting	0.552	0.566	1.300	1.846	1.940
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	0.424	0.302	0.700	1.846	1.940
Public water works and sewage pumping	1.610	2.086	3.500	6.155	6.450
TOTAL	17.375	18.418	51.000	97.474	102.500
Lost in transformation, transmission and distribution and unaccounted for.	..	..	9.505	20.030	21.000

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam . . . . .	..	..	..	..	..
Diesel	4,170	4,277	4,762	1,205	1,005
Hydro	28,500	85,500	132,500	192,500	192,500
TOTAL	32,670	89,777	137,262	193,705	193,505
<i>Energy (Million kWh)—</i>					
<i>Generation—</i>					
Steam . . . . .	..	..	..	..	..
Diesel	1.46)	0.132	..	..	..
Hydro	152.179	349.599	581.818	758.777	795.108
TOTAL	153.639	349.731	581.818	758.777	795.108
Purchased from non-utilities and adjoining States.	..	..	50.341	68.907	97.190
Used by power station auxiliaries . . . . .	..	..	18.394	19.901	19.618
Sent out . . . . .	..	..	613.765	807.783	872.680
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	11.591	0.122	0.900
(ii) Within the State—					
Domestic light and small power	13.748	22.891	51.073	70.121	83.950
Commercial light and small power	2.697	2.291	3.851	5.174	4.795
Industrial power	140.939	223.592	396.407	532.314	550.204
Public lighting	1.604	2.722	8.358	9.272	10.154
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	6.170	10.721	18.287	14.892	22.191
Public water works and sewage pumping	3.292	7.001	7.844	6.532	6.624
TOTAL	168.450	269.217	485.820	638.304	677.918
Lost in transformation, transmission and distribution and unaccounted for.	..	..	116.344	169.357	193.862

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	27,308	66,322	169,798	198,400*	238,400
Diesel	11,979	15,984	28,739	28,090	24,205
Hydro . . . . .	..	..	69,000	92,000	92,000
TOTAL .	39,287	82,306	267,537	318,490*	354,605
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	57·354	150·070	429·677	595·903	745·376
Diesel	15·953	19·271	24·049	24·570	20·245
Hydro . . . . .	..	..	23·240	494·625	499·427
TOTAL .	73·307	169·341	476·966	1,115·098	1,265·048
Purchased from non-utilities and adjoining States.	..	..	30·000	44·039	50·077
Used by power station auxiliaries .	..	..	30·985	54·624	62·509
Sent out . . . . .	..	..	475·981	1,104·513	1,252·616
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	3·000	223·340	250·398
<i>(ii) Within the State—</i>					
Domestic light and small power .	14·845	25·206	45·397	62·281	79·255
Commercial light and small power .	7·470	13·525	20·790	36·190	27·824
Industrial power	23·094	77·280	301·267	574·634	700·012
Public lighting	2·183	4·801	9·113	16·592	13·034
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	0·188	0·698	3·890	6·547	8·903
Public water works and sewage pumping.	10·321	18·486	25·243	33·238	37·343
TOTAL .	58·101	139·996	405·700	729·482	866·371
in transformation, transmission and distribution and unaccounted for.	..	..	67·281	151·691	135·847

*Revised.

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	52,000	84,000	101,500	301,500*	351,500
Diesel	516	516	516	6,000*	6,000
Hydro	101,950	165,150	415,450	529,750	611,650
TOTAL	154,466	249,666	517,466	837,250*	969,150
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	140·189	281·718	416·171	1,462·511*	1,746·451
Diesel	0·195	..	..	..	0·378
Hydro	579·173	802·619	1,797·545	1,880·194	2,078·713
TOTAL	719·557	1,084·337	2,213·716	3,342·705*	3,825·542
Purchased from non-utilities and adjoining States.	..	..	23·866	..	..
Used by power station auxiliaries . . . . .	..	..	64·746	151·109*	207·240
Sent out . . . . .	..	..	2,172·836	3,191·596	3,618·302
<i>Sales—</i>					
(i) To adjoining State . . . . .	..	..	80·549	123·105	169·302
<i>(ii) Within the State—</i>					
Domestic light and small power	59·340	108·915	152·890	216·536	203·372
Commercial light and small power	54·693	90·398	156·712	193·750	259·819
Industrial power	324·291	449·368	909·791	1,439·706*	1,575·566
Public lighting	14·178	20·774	33·920	42·931	50·167
Railways/Tramways	15·749	12·628	15·000	16·290	19·662
Irrigation and dewatering	69·636	138·300	382·403	590·634	683·805
Public water works and sewage pumping.	8·625	10·319	14·427	21·667	25·612
TOTAL	546·512	830·702	1,665·143	2,521·514*	2,818·003
Lost in transformation, transmission and distribution and unaccounted for.	..	..	427·177	546·977*	630·997

*Revised.

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	64,954	225,110	443,250	443,250*	503,250
Diesel	21,122	27,917	34,363	54,366	49,714
Hydro	253,114	279,914	281,914	523,888	523,888
TOTAL	339,190	532,941	759,527	1,021,504*	1,076,852
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	280·038	742·343	1,834·760	1,718·829*	2,094·327
Diesel	32·203	38·879	68·171	72·495	71·908
Hydro	1,229·024	1,467·483	1,364·946	2,854·778	2,915·550
TOTAL	1,541·265	2,248·705	3,267·877	4,646·102*	5,081·785
Purchased from non-utilities and adjoining States.	..	..	2·200	..	..
Used by powerstation auxiliaries . . . . .	..	..	136·118	151·712*	174·212
Sent out . . . . .	..	..	3,133·959	4,494·390*	4,907·573
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	30·000	43·418	46·542
<i>(ii) Within the State—</i>					
Domestic light and small power	107·964	165·574	259·901	357·408	400·905
Commercial light and small power	86·133	131·301	198·230	256·869	340·916
Industrial power	815·801	1,234·899	1,852·666	2,734·408	2,985·689
Public lighting	7·129	14·503	19·883	27·615	32·904
Railways/Tramways	270·946	344·463	338·927	404·136*	409·936
Irrigation and dewatering	2·748	5·129	14·759	26·063	47·009
Public water works and sewage pumping	23·346	31·366	35·157	19·462@	63·760
TOTAL	1,314·067	1,927·235	2,719·523	3,825·961*	4,281·119
Lost in transformation, transmission and distribution and unaccounted for.	384·436	624·011*	579·912

*Revised.

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

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	57	..	..	11,100	1,100
Gas turbine . . . . .	..	..	..	..	20,000
Diesel	7,681	12,264	12,876	16,196	12,265
Hydro	107,200	178,200	178,200	230,400	319,500
TOTAL	114,938	190,464	191,076	257,696	352,865
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam . . . . .	..	..	..	2·259	1·654
Gas turbine . . . . .	..	..	..	..	7·646
Diesel	13·159	16·449	19·242	22·826	19·010
Hydro	525·343	809·725	1,038·756	1,291·436	1,384·028
TOTAL	538·502	826·174	1,057·998	1,316·521	1,412·338
Purchased from non-utilities and adjoining States.	..	..	48·250	46·098	46·809
Used by power station auxiliaries	..	..	16·652	20·433	16·719
Sent out . . . . .	..	..	1,089·590	1,342·186	1,442·428
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	..	..	..
<i>(ii) Within the State—</i>					
Domestic light and small power	31·987	55·489	75·243	101·553	114·776
Commercial light and small power	8·734	17·785	21·299	22·115	24·566
Industrial power	292·174	486·229	731·889	883·581	964·483
Public lighting	7·140	13·838	18·880	21·670	25·544
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	6·967	16·465	28·714	39·050	44·059
Public water works and sewage pumping	37·034	42·574	58·915	65·299	72·432
TOTAL	384·036	632·380	934·940	1,133·268	1,245·860
Lost in transformation, transmission and distribution and unaccounted for.	..	..	154·640	208·918	196·568

TABLE 39(11).—PROGRESS OF ELECTRICITY SUPPLY—NAGALAND

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam
Diesel	725	725
Hydro
TOTAL	725	725
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam
Diesel	0·871	1·013
Hydro
TOTAL	0·871	1·013
Purchased from non-utilities and adjoining States.
Used by power station auxiliaries	0·012	0·012
Sent out	0·859	1·001
<i>Sales—</i>					
(i) To adjoining States
<i>(ii) Within the State—</i>					
Domestic light and small power	0·539	0·649
Commercial light and small power
Industrial power	0·045	0·073
Public lighting	0·073	0·068
Railways/Tramways
Irrigation and dewatering
Public water works and sewage pumping.	0·017	0·052
TOTAL	0·674	0·842
Lost in transformation, transmission and distribution and unaccounted for.	0·185	0·159

NOTE.—Data for earlier years not available.

TABLE 39(12).—PROGRESS OF ELECTRICITY SUPPLY—ORISSA

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	776	5,776	5,776	5,750	5,750
Diesel	4,079	3,991	7,468	12,460	4,424
Hydro	5	24,005	123,005	270,012*	270,012
TOTAL	4,860	33,772	136,249	288,222*	280,186
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	2·133	17·617	..	..	..
Diesel	4·665	3·517	5·901	2·712	1·575
Hydro	0·013	0·011	483·738	908·359	990·985
TOTAL	6·811	21·145	489·639	911·071	992·560
Purchased from non-utilities and adjoining States.	..	..	104·813	101·837	86·927
Used by power station auxiliaries . . . . .	..	..	3·680	9·975	4·052
Sent out . . . . .	..	..	590·773	1,002·933	1,075·435
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	25·000	78·621	82·825
<i>(ii) Within the State—</i>					
Domestic light and small power	2·256	4·023	18·300	37·230@	20·347
Commercial light and small power	1·408	1·938	7·870	17·520@	10·261
Industrial power	1·117	7·578	457·465	657·000	843·759
Public lighting	0·243	0·614	1·487	3·285@	2·468
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering . . . . .	..	..	0·752	3·285@	0·849
Public water works and sewage pumping.	0·101	1·049	2·297	10·950@	4·597
TOTAL	5·125	15·202	488·171	729·270	882·281
Lost in transformation, transmission and distribution and unaccounted for.	77·602	195·042	110·329

*Revised.

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TABLE 39(13).—PROGRESS OF ELECTRICITY SUPPLY—PUNJAB

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (KW)</i>					
Steam	2,376	7,826	7,876	18,100	18,100
Diesel	18,245	20,647	16,725	16,620	17,382
Hydro	49,990	145,990	326,476	655,076*	655,076
TOTAL	70,611	174,463	351,077	689,796*	690,558
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	2,881	6,769	6,658	10,684	3,346
Diesel	19,882	8,359	8,093	1,231	1,304
Hydro	184,420	425,697	988,887	2,986,016	3,208,123
TOTAL	207,183	440,825	1,003,638	2,997,931	3,212,773
Purchased from non-utilities and adjoining States.	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	7,955	10,484	7,701
Sent out . . . . .	..	..	995,683	2,987,447	3,205,072
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	182,875	420,038	451,349
(ii) Within the State—					
Domestic light and small power	24,898	40,840	69,867	91,225	99,086
Commercial light and small power	12,006	34,819	61,397	76,250	82,172
Industrial power	56,128	153,632	355,974	1,956,730	2,069,459
Public lighting	2,443	5,755	9,092	10,143	10,964
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	0,490	22,655	74,848	113,340	124,759
Public water works and sewage pumping	6,589	8,729	9,121	7,714	9,948
TOTAL	102,554	266,430	580,299	2,255,402	2,396,388
Lost in transformation, transmission and distribution and unaccounted for.	..	..	232,509	312,007	357,335

*Revised,

TABLE 39(14).—PROGRESS OF ELECTRICITY SUPPLY—RAJASTHAN

	1951	1956	1960-61	1963-64@	1964-65@
<i>Installed capacity (kW)</i>					
Steam	17,265	24,000	46,250	48,604*	48,500
Diesel	13,675	19,787	24,425	29,389	30,549
Hydro . . . . .	..	..	..	..	..
TOTAL .	30,940	43,787	70,675	77,993*	79,049
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	42·716	61·279	70·411	44·904	94·949
Diesel	21·552	29·030	37·991	35·506	36·743
Hydro . . . . .	..	..	..	..	..
TOTAL .	64·268	90·309	108·402	80·410	131·692
Purchased from non-utilities and adjoining States.	..	..	22·808	273·669	308·800
Used by power station auxiliaries .	..	..	6·395	6·733	9·274
Sent out . . . . .	..	..	124·815	347·346	431·218
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	..	..	..
(ii) Within the State—					
Domestic light and small power .	10·834	12·325	20·734	56·747	37·985
Commercial light and small power .	5·833	11·115	15·858	52·621	29·843
Industrial power	14·198	21·890	33·580	85·227	243·260
Public lighting	1·969	2·987	5·200	11·585	7·867
Railways/Tramways . . . . .	..	..	..	..	..
Irrigation and dewatering	1·664	1·845	3·621	17·772	8·682
Public water works and sewage pumping.	12·923	14·459	19·537	61·780@	28·695
TOTAL .	47·421	64·621	98·530	285·732	356·332
Lost in transformation, transmission and distribution and unaccounted for.	..	..	26·285	61·614	74·886

*Revised.

@Provisional.

TABLE 39(15).—PROGRESS OF ELECTRICITY SUPPLY—UTTAR PRADESH

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	161,090	179,860	270,810	380,710	382,235
Diesel	12,883	32,490	34,164	42,688	41,267
Hydro	26,220	96,390	92,470	341,970	350,855
TOTAL .	200,193	308,740	397,444	765,368	774,357
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	398·271	490·829	786·262	1,202·779	1,310·191
Diesel	14·181	20·343	26·092	14·467	19·329
Hydro	157·320	232·309	439·967	1,266·521	1,301·521
TOTAL .	569·772	743·481	1,252·321	2,483·767	2,631·041
Purchased from non-utilities and adjoining States.	--	--	--	..	31·675
Used by power station auxiliaries .	--	--	59·551	92·563	107·327
Sent out	--	--	1,192·770	2,391·204	2,555·389
<i>Sales—</i>					
(i) To adjoining States	--	--	..	182·130	190·725
<i>(ii) Within the State—</i>					
Domestic light and small power .	49·587	71·510	122·718	149·743@	201·279
Commercial light and small power .	40·451	59·317	74·736	82·132@	115·045
Industrial power	230·991	314·181	503·928	1,153·815	1,248·859
Public lighting	6·246	8·384	13·848	13·955@	17·665
Railways/Tramways . . . . .	--	..	..	34·000	16·406
Irrigation and dewatering . . .	98·230	90·441	199·992	157·068	208·965
Public water works and sewage pumping.	32·434	42·145	60·481	60·383	75·704
TOTAL .	457·939	585·978	975·703	1,651·096	1,883·923
Lost in transformation, transmission and distribution and unaccounted for.	--	..	217·067	557·978	480·741

@Provisional.

TABLE 39(16).—PROGRESS OF ELECTRICITY SUPPLY—WEST BENGAL.

	1951	1956	1960-61	1963-64	1964-65
Installed capacity (kW)					
Steam	539,901	528,351	676,975	783,150	941,670
Diesel	3,513	5,612	9,473	10,099	9,780
Hydro	2,760	4,760	67,208	67,508	67,508
TOTAL	546,174	538,723	753,656	860,757	1,018,958
Energy (Million kWh)					
Generation—					
Steam	1,196·902	1,765·624	2,150·169	3,477·437	3,826·967
Diesel	4·443	4·632	8·684	11·621	14·744
Hydro	5·929	8·335	159·886	167·923	195·860
TOTAL	1,207·274	1,778·591	2,318·739	3,656·981	4,037·571
Purchased from non-utilities and adjoining States.	.. ..	.. ..	604·970	685·172	447·823
Used by power station auxiliaries . . . . .	.. ..	.. ..	130·595	219·506	303·320
Sent out . . . . .	.. ..	.. ..	2,793·114	4,122·717	4,182·074
Sales—					
(i) To adjoining States . . . . .	.. ..	.. ..	10·000	1·830	2·060
(ii) Within the State—					
Domestic light and small power	180·831	253·402	353·517	468·668	481·731
Commercial light and small power	37·550	79·275	115·786	141·172	157·443
Industrial power	731·949	1,291·502	1,808·128	2,693·330	2,829·848
Public lighting	8·346	15·112	23·395	26·369	30·755
Railways/Tramways	42·899	47·487	95·297	145·721	184·258
Irrigation and dewatering . . . . .	.. ..	2·170	0·650	1·413	2·623
Public water works and sewage pumping	32·564	65·594	95·993	94·289	105·638
TOTAL	1,034·139	1,754·542	2,492·766	3,570·962	3,792·299
Lost in transformation, transmission and distribution and unaccounted for.	.. ..	.. ..	290·348	549·855	387·715

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

TABLE 39(17).—PROGRESS OF ELECTRICITY SUPPLY—DELHI.

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	35,150	52,400	53,600	91,600	91,600
Diesel	7,436	2,791	22,703	22,630	22,630
Hydro . . . . .	..	..	..	..	..
TOTAL	42,586	55,191	76,303	114,230	114,230
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	131·881	231·676	271·406	281·947	314·625
Diesel	5·400	0·541	39·350	9·649	2·404
Hydro . . . . .	..	..	..	..	..
TOTAL	137·281	232·217	310·756	291·596	317·029
Purchased from non-utilities and adjoining States.	..	..	142·837	335·064	354·416
Used by power station auxiliaries . . . . .	..	..	39·243	29·754	34·210
Sent out . . . . .	..	..	414·350	596·906	637·235
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	..	..	..	..
(ii) Within the State—					
Domestic light and small power	24·250	52·462	97·101	146·777	187·596
Commercial light and small power	33·003	57·629	72·892	77·172	101·043
Industrial power	32·406	74·306	153·892	193·821	198·847
Public lighting	2·637	6·491	10·937	14·734	16·568
Railways/Tramways . . . . .	..	0·347	0·171	1·788	..
Irrigation and dewatering	5·730	4·928	5·007	9·536	5·912
Public water works and sewage pumping	21·420	31·592	43·185	66·752	56·800
TOTAL	119·446	227·755	383·185	510·580	566·766
Lost in transformation, transmission and distribution and unaccounted for.	..	..	31·475	86·326	70·469

TABLE 39(18).—PROGRESS OF ELECTRICITY SUPPLY—UNION TERRITORIES
(EXCLUDING DELHI)

	1951	1956	1960-61	1963-64	1964-65
<i>Installed capacity (kW)</i>					
Steam	550	6,000	6,000	1,100	1,100
Diesel	725	1,258	1,964	8,906	9,956
Hydro	376	376	406	720	745
TOTAL .	1,651	7,634	8,370	10,726	11,801
<i>Energy (Million kWh)</i>					
<i>Generation—</i>					
Steam	0·032	6·308	3·361	2·033	1·716
Diesel	0·615	1·554	2·930	13·654	15·361
Hydro	0·688	0·789	1·028	1·100	2·326
TOTAL .	1·335	8·651	7·319	16·787	19·403
Purchased from non-utilities and adjoining States.	..	..	32·006	54·142	70·529
Used by power station auxiliaries .	..	..	1·281	0·715	0·724
Sent out . . . . .	..	..	38·044	70·214	89·208
<i>Sales—</i>					
(i) To adjoining States . . . . .	..	--	--	--	--
<i>(ii) Within the State—</i>					
Domestic light and small power .	0·910	2·761	6·453	9·883	11·399
Commercial light and small power .	0·372	0·553	1·601	6·341	8·442
Industrial power	0·173	3·575	15·783	26·431	34·557
Public lighting	0·140	0·531	1·345	2·475	2·754
Railways/Tramways	--	..	--	--	--
Irrigation and dewatering	--	1·734	6·606	11·919	16·232
Public water works and sewage pumping.	0·009	0·251	0·830	1·015	1·362
TOTAL .	1·604	9·405	32·618	58·064	74·746
Lost in transformation, transmission and distribution and unaccounted for.	..	2·328	5·426	12·150	14·462

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TABLE 40.—INDEX NUMBER OF PUBLIC ELECTRICITY SUPPLY—ALL INDIA

	1951	1956	1960-61	1963-64*	1964-65
<i>Installed plant capacity—</i>					
(a) Steam	100	145.4	222.0	274.0	328.4
(b) Gas turbine and diesel	100	139.1	184.5	246.7	248.7
(c) Hydro	100	184.5	333.2	550.6	589.2
ALL TYPES	100	157.2	253.5	358.3	403.1
<i>Energy generated—</i>					
(a) Steam	100	184.4	314.2	450.0	517.8
(b) Gas turbine and diesel	100	106.2	167.5	161.5	170.4
(c) Hydro	100	150.1	274.0	488.0	517.5
ALL TYPES	100	164.9	289.1	457.8	504.6
Fuel consumption in steam power stations.	100	166.4	257.4	323.4	388.9
Diesel oil consumption in Gas turbine and Diesel power station.	100	104.3	153.1	154.6	170.9
Aggregate maximum demand	100	165.1	294.2	460.4	519.2
<i>Energy Sales—</i>					
Domestic light and small power	100	157.2	251.2	347.2	378.1
Commercial light and small power	100	165.4	256.9	357.5	432.5
Industrial power	100	174.0	317.0	517.0	568.1
Public lighting	100	173.2	285.8	361.6	400.6
Railways/Tramways	100	122.9	137.7	229.2	272.6
Irrigation and dewatering	100	155.7	410.2	567.9	687.9
Public water works and sewage pumping.	100	150.9	207.6	265.0	286.1
ALL CATEGORIES	100	166.1	288.9	454.7	505.3

(Base : 1951=100)

*Revised figures.

TABLE 41.—TRANSMISSION AND DISTRIBUTION LINES AS ON 31-3-1965

(Circuit kilometres)

Name of the 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.
Andhra Pradesh	20,838·5	..	..	..	..	17,392·5	..	..	..
Assam	1,329·5	47·9	1·8	..	..	636·5	25·0	..	..
Bihar	10,294·4	86·4	13·2	211·8	52·9	14,160·2	39·2	..	..
Gujarat	10,042·3	249·3	140·7	3·4	0·1	5,610·9	659·9	2,188·4	..
Jammu & Kashmir	1,296·4	..	..	490·2	0·4	860·0	..	..	..
Kerala	13,737·9	137·5	..	3·9	11·3	6,211·9	31·8	171·8	..
Madhya Pradesh	4,705·8	137·4	54·4	56·2	11·9	5,223·0	17·5	..	..
Madras	72,107·9	87·9	0·6	195·4	122·5	19,834·9	75·7	10,328·2	..
Maharashtra	19,493·6	334·2	115·8	123·3	733·0	10,659·1	480·9	2,348·8	365·9
Mysore	20,755·1	31·4	1·3	5431·3	185·7	13,123·8	24·2	72·0	..
Nagaland	67·0	..	..	..	..	11·6	..	..	..
Orissa	1,729·1	54·9	3·4	32·2	..	1,965·7	21·3	..	..
Punjab	12,178·8	10·0	32·7	..	..	15,633·5	2·0	..	..
Rajasthan	5,353·1	76·2	25·1	68·8	13·7	3,578·1	38·7	..	..
Uttar Pradesh	7,139·2	230·1	170·3	153·9	59·5	23,144·6	68·6	..	..
West Bengal	8,193·2	101·9	55·2	676·7	1,364·2	4,031·8	109·6	..	63·0
<i>Union Territories :</i>									
Delhi	3,482·1	..	..	112·3	277·6	700·3	301·0	..	..
Andaman & Nicobar Islands	36·9	..	..	22·2	..	..	..	..	..
Goa, Daman & Diu	413·9	38·6	27·0	..	..	..	..	..	..
Himachal Pradesh	1,026·0	..	..	..	..	460·2	..	459·7	..
Laccadive, Minicoy and Amindivi Islands	17·5	..	..	..	..	..	..	..	..
Manipur	187·1	..	..	6·8	..	134·5	..	..	..
Pondicherry	1,099·1	10·7	0·1	..	..	35·6	..	245·5	..
Tripura	113·1	..	..	..	..	112·9	..	..	..
Damodar Valley Corporation . . . . .	..	..	..	..	..	..	..	..	..
TOTAL	215,657·5	1,634·4	641·6	7,588·4	2,832·8	143,521·6	1,895·4	15,814·4	428·9

TABLE 41—contd.

Name of the State/Union Territory/Power Corporation	33 kV		44/37.5 kV	78/66 kV	10/90 kV	132 kV	220 kV	230 kV	Total
	O.H.	U.G.	O.H.	O.H.	O.H.	O.H.	O.H.	O.H.	
Andhra Pradesh	3,977.9	..	..	2,830.8	..	1,695.4	..	..	46,735.1
Assam	197.0	..	..	..	..	..	..	..	2,237.7
Bihar	3,555.6	..	..	..	..	815.4	..	..	29,229.1
Gujarat	1,467.0	..	..	1,966.9	..	833.0	..	..	23,161.9
Jammu & Kashmir	186.0	..	..	211.0	56.0	..	..	..	3,100.0
Kerala	36.2	..	..	1,637.5	598.3	..	..	..	22,578.1
Madhya Pradesh	3,876.1	..	..	671.5	..	1,708.1	..	..	16,461.9
Madras	2,138.0	47.0	..	2,818.0	4,673.7	..	..	971.0	113,400.8
Maharashtra	2,042.0	..	..	1,744.0	1,539.5	243.0	523.0	..	40,746.1
Mysore	812.6	..	..	1,937.5	1,920.0	..	380.8	..	44,695.7
Nagaland . . . . .	..	..	..	..	..	..	..	..	78.6
Orissa	2,313.5	25.6	..	517.7	..	1,671.6	..	..	8,335.0
Punjab	2,701.0	..	..	536.3	..	1,227.7	657.1	..	32,979.1
Rajasthan	3,241.3	..	..	343.6	..	1,148.2	..	..	13,886.8
Uttar Pradesh	1,749.0	11.4	3,059.3	534.8	..	1,994.9	..	..	38,315.6
West Bengal	1,546.0	431.1	..	196.4	..	287.0	..	..	17,056.1
<i>Union Territories—</i>									
Delhi	97.6	0.3	..	..	..	..	..	..	4,971.2
Andaman & Nicobar Islands . . . . .	..	..	..	..	..	..	..	..	59.1
Goa, Daman & Diu	28.5	..	..	..	..	..	..	..	508.0
Himachal Pradesh	135.2	..	..	..	..	..	..	..	2,081.1
Laccadive, Minicoy and Amindivi Islands. . . . .	..	..	..	..	..	..	..	..	17.5
Manipur . . . . .	..	..	..	..	..	..	..	..	328.4
Pondicherry . . . . .	..	..	..	..	..	..	..	..	1,391.0
Tripura . . . . .	..	..	..	..	..	..	..	..	226.0
Damodar Valley Corporation	305.0	..	..	..	..	2,795.0	..	..	3,100.0
TOTAL	30,405.5	515.4	3,059.3	15,946.0	8,787.5	14,419.3	1,560.9	971.0	465,679.9

TABLE 42.—TRANSMISSION LINES COMMISSIONED DURING THE YEAR 1964-65

<i>ANDHRA PRADESH</i>		
443.2 kilometres of 33 kV	}	Andhra Pradesh State Electricity Board.
44.7 kilometres of 66 kV		
<i>BIHAR</i>		
111.2 kilometres of 33 kV		Bihar State Electricity Board.
<i>GUJARAT</i>		
250 kilometres of 33 kV	}	Gujarat State Electricity Board.
310 kilometres of 66 kV		
<i>KERALA</i>		
8.9 kilometres of 66 kV	}	Kerala State Electricity Board
53.5 kilometres of 110 kV		
<i>MADHYA PRADESH</i>		
11.0 kilometres of 33 kV		Amarkantak Division
11.5 kilometres of 33 kV		Indore Electrical Division
0.4 kilometre of 33 kV		Bhopal Electrical Division
48.0 kilometres of 33 kV		Ujjain Electrical Division
85.3 kilometres of 33 kV		Chindwara Electrical Division
140.5 kilometres of 33 kV		Dhar Electrical Division
46.0 kilometres of 33 kV		Gwalior Electrical Division
52.8 kilometres of 33 kV		Satna Electrical Division
64.8 kilometres of 33 kV		Sagar Electrical Division
136.0 kilometres of 33 kV		Itarsi Electrical Division
57.8 kilometres of 33 kV		Raipur Electrical & Mechanical Division
58.4 kilometres of 33 kV		Bilaspur Electrical Division
28.0 kilometres of 33 kV		Bhilai Electrical Division
49.0 kilometres of 33 kV	}	Guna Electrical Division
34.4 kilometres of 33 kV		
119.7 kilometres of 33 kV	}	Chirimiri Electrical Division
80.0 kilometres of 132 kV		
142.8 kilometres of 33 kV	}	Jabalpur Electrical Division
193.6 kilometres of 66 kV		
176.0 kilometres of 132 kV		
<i>MADRAS</i>		
105.8 kilometres of 33 kV	}	Madras State Electricity Board
31.4 kilometres of 66 kV		
310.8 kilometres of 110 kV		
126.1 kilometres of 230 kV		
<i>MAHARASHTRA</i>		
79.0 kilometres of 33 kV	}	Maharashtra State Electricity Board
176.0 kilometres of 66 kV		
243.0 kilometres of 132 kV		

MYSORE

97.6 kilometres of 33 kV	}	Mysore State Electricity Board
22.4 kilometres of 78/66 kV		
380.8 kilometres of 220 kV		

ORISSA

651.1 kilometres of 33 kV	Orissa State Electricity Board
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PUNJAB

83.7 kilometres of 30 kV	}	Punjab State Electricity Board
62.8 kilometres of 78/66 kV		

RAJASTHAN

27.6 kilometres of 33 kV	Bikaner Electricity Division
0.8 kilometre of 33 kV	Sriganganagar Electricity Division
28.8 kilometres of 33 kV	Bhilwara Electricity Division
76.8 kilometres of 33 kV	District Electricity Division, Jaipur

UTTAR PRADESH

11.2 kilometres of 33 kV	Hydro Electrical Division, Meerut	
9.6 kilometres of 33 kV	Hydro Electricity Division, Bareilly	
19.1 kilometres of 33 kV	Kanpur Electricity Supply Administration	
65.2 kilometres of 33 kV	Hydro Electric Division, Gonda	
1.4 kilometres of 33 kV	Hydro Electric Division, Ajmer	
25.6 kilometres of 33 kV	Hydro Electric Division, Varanasi	
100.1 kilometre of 37.5 kV	Hydro Electric Division, Kanpur	
142.4 kilometres of 37.5 kV	}	Hydro Electric Division, Aligarh
0.8 kilometre of 66 kV		
17.2 kilometres of 33 kV	}	Hydro Electric Division, Roorkee
12.7 kilometres of 44/37.5 kV		

WEST BENGAL

13.0 kilometres of 33 kV	Siliguri Electricity Division	
67.2 kilometres of 33 kV	Krishnanagar Electric Division	
9.0 kilometres of 33 kV	Burdwan Electric Division	
19.5 kilometres of 33 kV	Calcutta Electric Division	
2.8 kilometres of 33 kV	Calcutta Electricity Supply Corporation Ltd.	
1.5 kilometres of 132 kV	The Purgapur Projects Limited	
29.2 kilometres of 33 kV	}	Howrah Electricity Division
116.0 kilometres of 132 kV		

UNION TERRITORIES

8.0 kilometres of 33 kV	5th Hydrel Division Mandi (H.P.)
28.5 kilometres of 33 kV	Goa Government.
41.9 kilometres of 33 kV	Delhi Electricity Supply Undertaking.

TABLE 43.—INSTALLED TRANSFORMER CAPACITY AS ON 31-3-1965

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	73	400,200	369	720,925	7,929	584,249	8,371	1,705,374
2	Assam	54	61,125	18	12,734	203	37,232	275	111,091
3	Bihar	51	62,075	214	395,519	5,520	296,837	5,785	754,431
4	Gujarat	55	605,650	212	808,175	2,415	321,494	2,682	1,735,319
5	Jammu & Kashmir	14	20,925	9	17,750	266	29,765	289	68,440
6	Kerala	25	284,875	77	321,900	3,797	259,937	3,899	866,712
7	Madhya Pradesh	65	320,105	145	526,050	2,032	207,451	2,242	1,053,606
8	Madras	66	1,158,930	533	3,262,360	18,852	1,425,114	19,451	5,846,404
9	Maharashtra	124	1,321,125	302	2,237,925	6,148	830,272	6,574	4,389,322
10	Mysore	67	403,150	221	647,505	14,099	401,399	14,387	1,452,054
11	Nagaland	2	500	..	..	6	150	8	650
12	Orissa	18	308,800	123	638,550	707	89,820	848	1,037,170
13	Punjab	38	875,778	202	1,291,328	9,099	596,022	9,339	2,763,128
14	Rajasthan	36	23,297	91	93,990	1,165	100,066	1,292	217,353
15	Uttar Pradesh	120	738,849	281	591,580	10,647	497,212	11,048	1,827,641
16	West Bengal	77	437,660	249	1,220,000	1,714	260,035	2,040	1,917,695
17	<i>Union Territories :</i>								
	(a) Delhi	1	20,000	47	178,200	563	223,360	611	421,560
	(b) Andaman and Nicobar Islands	2	500	11	325	13	1,325	26	2,650
	(c) Goa, Daman and Diu	1	55	1	300	24	2,177	26	2,532
	(d) Himachal Pradesh	5	1,800	5	1,550	295	11,270	305	14,620
	(e) Laccadive, Minicoy and Aminidive Islands . . . . .	..	..	..	..	..	..	..	..
	(f) Manipur	5	2,150	..	..	33	1,605	38	3,755
	(g) Pondicherry . . . . .	..	..	3	700	228	30,850	231	31,550
	(h) Tripura	3	1,100	..	..	26	1,850	29	2,950
18	Damodar Valley Corporation	13	795,000	64	1,109,000	..	..	77	1,904,000
	TOTAL .	915	7,843,649	3,177	14,076,866	85,781	6,209,492	89,873	28,130,007

TABLE 44.—IMPORTANT POWER TRANSFORMERS COMMISSIONED DURING 1964-65

State/Union Territory/ Power Corporation	Voltage ratio	Unit capacity (kVA)	No.	Aggregate capacity (kVA)	Place of installation	Remarks
Andhra Pradesh	33/11 kV	1,500	1	1,500	} Andhra Pradesh State Elec- tricity Board	
	33/11 kV	1,000	2	2,000		
	33/11/6·6 kV	3,000	6	18,000		
	33/11/6·6 kV	1,500	2	3,000		
Assam	33/11 kV	1,000	1	1,000	} Assam State Electricity Board.	
	11/33 kV	2,500	2	5,000		
Bihar	33/11 kV	1,000	1	1,000	Bihar State Electricity Board.	
	11/3·3 kV	2,000	2	4,000	Muzaffarpore Electric Supply Company.	
Gujarat	66/11 kV	3,000	1	3,000	} Gujarat Electricity Board.	
	66/11 kV	2,000	1	2,000		
	66/33 kV	2,000	1	2,000		
	66/22 kV	15,000	2	30,000		
	66/33 kV	3,000	1	3,000		
	66/11 kV	15,000	1	15,000		
	33/11 kV	1,500	1	1,500		
	66/33 kV	5,000	1	5,000		
	33/11 kV	1,000	1	1,000		
	33/3·3 kV	1,500	1	1,500		
	66/22 kV	3,000	1	3,000		
	11/33 kV	2,500	1	2,500		
33/11 kV	2,500	1	2,500			
Kerala	66/11 kV	10,500	4	42,000	Kerala State Electricity Board.	
Madhya Pradesh	133/66/11 kV	1,000	1	1,000	} Madhya Pradesh Electricity Board.	
	11/33 kV	3,000	1	3,000		
	66/11 kV	5,000	1	5,000		
	3·3/11 kV	1,250	1	1,250		
	0·4/11 kV	1,000	1	1,000		
	33/11 kV	1,000	2	2,000		
	33/11 kV	2,500	1	2,500		
Madras	66/33 kV	2,000	1	2,000	} Madras State Electricity Board.	
	66/11 kV	6,000	3	18,000		
	33/11 kV	54,000	5	270,000		
	110/22 kV	10,000	2	20,000		
	110/22 kV	4,000	2	8,000		
	110/66 kV	6,000	3	18,000		
	33/11 kV	1,500	1	1,500		
	110/66/22/kV	5,000	1	5,000		
	110/66 kV	12,000	1	12,000		
	66/33/22 kV	5,000	1	5,000		
	66/11 kV	4,000	2	8,000		
110/22/11 kV	10,000	2	20,000			
Maharashtra	110/22 kV	5,000	1	5,000	} Maharashtra State Electricity Board.	
	132/33 kV	12,500	1	12,500		
	66/11 kV	5,000	3	15,000		
	33/11 kV	2,000	4	8,000		
	66/11 kV	2,000	1	2,000		
	33/11 kV	1,000	3	3,000		
	22/6·6 kV	1,000	1	1,000		
	100/22 kV	7,500	1	7,500		
	66/11 kV	10,000	1	10,000		
	66/33 kV	5,000	1	5,000		
	33/0·4 kV	1,000	1	1,000		
	22/33 kV	4,000	2	8,000		

TABLE 44.—contd.

State/Union Territory/ Power Corporation	Voltage ratio	Unit capacity (kVA)	No.	Aggregate capacity (kVA)	Place of installation	Remarks		
Mysore	100/23·1 kV	60,000	2	120,000	} Tata Hydro Electric Supply Co.			
	100/23·1 kV	7,500	1	7,500				
	100/23·1/kV	7,500	1	7,500				
	11·4 kV				} Bombay Suburban Electric Supply Ltd.			
	100/22/6·6 kV	7,500	1	7,500				
	22/11 kV	1,500	1	1,500				
	22/11 kV	30,000	3	90,000				
	220/66/11 kV	135,000	2	270,000				
	Orissa	110/33/11 kV	5,000	2	10,000	} Mysore State Electricity Board.		
		110/13·2/11 kV	8,000	2	16,000			
66/11 kV		2,500	2	5,000				
33/11 kV		2,500	2	5,000				
Punjab	11/33 kV	3,000	2	6,000	Orissa State Electricity Board.			
Rajasthan	11/33 kV	4,000	2	8,000	} Punjab State Electricity Board.			
	132/11 kV	25,000	1	25,000				
	132/66 kV	2,000	1	2,000				
	66/33 kV	2,000	1	2,000				
	33/11 kV	12,000	4	48,000				
Uttar Pradesh	33/11 kV	1,500	1	1,500	Rajasthan State Electricity Board.			
West Bengal	11/66 kV	4,000	1	4,000	} Uttar Pradesh State Electricity Board.			
	132/66 kV	25,000	1	25,000				
	132/66 kV	20,000	1	20,000				
	66/11 kV	7,500	2	15,000				
	66/11 kV	5,000	2	10,000				
	37·5/11 kV	1,500	1	1,500				
	33/11 kV	3,000	4	12,000				
	22/11 kV	1,000	1	1,000				
	66/37·5 kV	5,000	1	5,000				
	66/37·5 kV	4,000	1	4,000				
	33/11 kV	1,500	2	3,000				
	11/6·6 kV	1,000	1	1,000				
	37·5/11 kV	6,125	4	24,500				
	6·6/33 kV	3,000	1	3,000				
	Union Territories	6·6/11 kV	4,000	1		4,000	} Kanpur Electricity Supply Administration.	
		33/6·6 kV	4,000	1		4,000		
Damodar Valley Cor- poration		132/11 kV	31,500	1	31,500	} West Bengal State Electricity Board.		
		11/0·42 kV	4,000	4	16,000			
		33/11 kV	4,250	4	17,000			
	132/66 kV	10,000	1	10,000				
Damodar Valley Cor- poration	33/6 kV	30,000	2	60,000	Calcutta Electricity Supply Corporation.			
	11/6·6 kV	3,000	1	3,000	New Delhi Municipal Com- mittee.			
	6·6/0·42 kV	1,000	1	1,000	Delhi Electricity Supply Under- taking.			
Damodar Valley Cor- poration	6·6/11 kV	1,000	1	1,000	Government of Manipur			
	132/25 kV	22,500	2	45,000	Damodar Valley Corporation.			
	14·2/138 kV	165,000	1	165,000				

TABLE 45.—CLASSIFICATION OF CONSUMERS AS ON 31-3-1965

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	287,315	..	106,582	..	11,091	..	3,238	..
2	Assam	29,994	2,629	5,119	1,127	598	44	48	2
3	Bihar	176,159	1,974	64,939	532	13,073	54	7,611	1
4	Gujarat	577,154	4,167	87,467	1,850	34,962	163	1,867	9
5	Jammu & Kashmir	44,578	—	5,783	—	639	..	4	..
6	Kerala	243,895	..	54,505	..	9,924	..	880	..
7	Madhya Pradesh	183,289	12,070	40,476	1,490	10,938	550	591	39
8	Madras	760,738	—	175,709	—	37,176	..	17,933	..
9	Maharashtra	889,629	65	227,383	..	34,587	18	2,333	..
10	Mysore	447,464	1,560	39,812	38	18,288	26	5,029	8
11	Nagaland	1,624	..	309	..	9	..	7	..
12	Orissa	62,361	—	3,016	—	2,027	..	140	..
13	Punjab	636,175	9,740	171,663	5,469	28,506	483	455	2
14	Rajasthan	152,813	2,032	46,077	1,073	6,108	242	791	18
15	Uttar Pradesh	264,963	48,696	77,246	21,692	25,050	1,288	589	3
16	West Bengal	235,904	192,961	92,470	70,775	17,071	12,757	252	10
17	Union Territories :								
	(a) Delhi	291,368	5,500	52,768	2,400	7,679	100	479	..
	(b) Andaman and Nicobar Islands.	2,349	..	55	—	32	..	1	..
	(c) Goa, Daman and Diu.	4,726	2,000	2,055	325	208	19	8	1
	(d) Himachal Pradesh.	21,277	..	6,526	..	375	..	27	..
	(e) Laccadive, Minicoy and Aminidivi Islands.	203	..	34	..	1	..	4	..
	(f) Manipura	3,022	..	38	..	67	..	2	..
	(g) Pondicherry	10,073	..	4,503	..	350	..	10	..
	(h) Tripura	3,947	..	228	..	86	..	5	..
	TOTAL	5,331,020	283,394	1,264,763	106,771	258,845	15,744	42,304	93

Notes :

1. Assam —Data for 1963-64 of Assam State Electricity Board repeated.
2. Jammu & Kashmir —Partial data for 1963-64.
3. Uttar Pradesh —Data received from U.P. State Electricity Board incomplete.
4. Bihar, Madras, Orissa and Delhi Electric Supply Undertaking—Break up of A.C. and D.C. consumers and connected load in respect of State Electricity Boards in Bihar, Madras, Orissa and Delhi Electricity Supply Undertaking are not available, as such these are covered under A.C. only.
5. Delhi—Data from New Delhi Municipal Committee not received. Data for 1963-64 repeated.

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TABLE 45.—*contd.*

Sl. No.	Name of State/Union Territories	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 . . . . .	..	..	44,822	..	258	..	453,306	..	453,306
2	Assam	1	..	..	..	45	1	35,805	3,803	39,608
3	Bihar	197	..	6,486	1	309	7	268,774	2,569	271,343
4	Gujarat	5	..	11,724	3	1,147	12	714,326	6,204	720,530
5	Jammu & Kashmir . . . . .	..	..	48	..	..	..	51,052	..	51,052
6	Kerala . . . . .	..	..	6,096	..	247	..	315,547	..	315,547
7	Madhya Pradesh	16	..	4,988	149	217	10	240,515	14,308	254,823
8	Madras	41	..	221,931	..	1,055	..	1,214,583	..	1,214,583
9	Maharashtra	8	1	24,087	..	372	..	1,178,399	84	1,178,483
10	Mysore	1	..	34,242	..	552	..	545,388	1,632	547,020
11	Nagaland . . . . .	..	..	..	..	4	..	1,953	..	1,953
12	Orissa	2	..	70	..	51	..	67,667	..	67,667
13	Punjab . . . . .	..	..	29,761	..	49	13	866,609	15,707	882,316
14	Rajasthan	26	..	3,265	62	524	1	209,604	3,428	213,032
15	Uttar Pradesh	124	..	8,247	3	1,099	4	377,318	71,686	449,004
16	West Bengal	13	..	268	..	132	..	346,110	276,503	622,613
17	<i>Union Territories :</i>									
	(a) Delhi . . . . .	..	..	159	..	39	..	352,492	8,000	360,492
	(b) Andaman and Nicobar Is- lands. . . . .	..	..	..	..	5	..	2,442	..	2,442
	(c) Goa, Daman & Diu . . . . .	..	..	..	..	2	..	6,999	2,345	9,344
	(d) Himachal Pra- desh . . . . .	..	..	1	..	1	..	28,207	..	28,207
	(e) Laccadive, Mini- coy and Amin- divi Islands. . . . .	..	..	..	..	..	..	242	..	242
	(f) Manipur . . . . .	..	..	..	..	4	..	3,133	..	3,133
	(g) Pondicherry . . . . .	..	..	2,845	..	92	..	17,873	..	17,873
	(h) Tripura . . . . .	..	..	..	..	..	..	4,266	..	4,266
	TOTAL	434	1	399,040	218	6,204	48	7,302,610	406,269	7,708,879

TABLE 46.—CLASSIFICATION OF CONNECTED LOAD AS ON 31-3-1965

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 . . .	149,962	..	105,941	..	222,416	..	7,981	..
2	Assam	29,130	1,662	4,951	1,055	17,524	426	1,012	56
3	Bihar	103,598	2,041	65,904	2,681	458,164	269	4,953	1
4	Gujarat	310,649	1,551	61,081	573	486,312	601	7,316	76
5	Jammu & Kashmir . . .	3,851	..	1,183	..	3,812	..	117	..
6	Kerala	152,483	..	29,556	..	276,968	..	4,268	..
7	Madhya Pradesh . . .	94,356	5,255	25,650	1,569	173,690	21,618	4,714	1,359
8	Madras	404,684	..	187,233	..	750,229	..	20,069	..
9	Maharashtra	486,264	781	320,518	..	1,036,792	192	13,084	..
10	Mysore	172,593	190	25,554	10	270,303	95	10,489	22
11	Nagaland	868	..	140	..	75	..	66	..
12	Orissa	38,182	..	6,724	..	225,468	..	1,716	..
13	Punjab	210,330	7,777	92,380	4,895	378,650	2,225	3,522	230
14	Rajasthan	80,216	892	26,581	610	80,894	2,552	3,732	54
15	Uttar Pradesh	240,482	29,154	60,353	15,815	426,263	9,126	4,645	377
16	West Bengal	230,007	228,178	100,062	75,393	936,331	57,999	5,490	4,207
17	<i>Union Territories :</i>								
	(a) Delhi	145,830	3,000	58,293	4,700	84,825	1,000	3,043	..
	(b) Andaman and Nicobar Islands	1,007	..	102	..	862	..	21	..
	(c) Goa, Daman and Diu	3,228	951	1,173	175	2,557	139	143	25
	(d) Himachal Pradesh	5,937	..	2,957	..	3,953	..	579	..
	(e) Laccadive, Mini- coy and Amin- divi Islands . . .	115	..	53	..	12	..	6	..
	(f) Manipur	1,873	..	65	..	520	..	27	..
	(g) Pondicherry . . .	6,308	..	2,996	..	24,779	..	520	..
	(h) Tripura	1,699	..	159	..	1,059	..	37	..
	TOTAL	2,873,652	281,482	1,179,609	107,476	5,862,458	96,242	97,550	6,407

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 . . .	..	..	235,377	..	6,264	..	727,941	..	727,941
2	Assam	94	..	..	..	1,178	24	53,889	3,223	57,112
3	Bihar	69,967	..	22,110	4	7,177	110	731,873	5,156	737,029
4	Gujarat	725	..	58,283	21	23,219	48	947,585	2,870	950,455
5	Jammu & Kashmir . . .	..	..	343	..	..	..	9,306	..	9,306
6	Kerala . . . . .	..	..	38,041	..	4,164	..	505,480	..	504,480
7	Madhya Pradesh . . .	112	..	14,774	445	5,113	708	318,409	30,954	349,363
8	Madras	73,225	..	769,428	..	24,547	..	2,229,415	..	2,229,415
9	Maharashtra	52	1,408	137,701	..	20,002	..	2,014,413	2,381	2,016,794
10	Mysore	54	..	122,132	..	16,563	..	617,688	317	618,005
11	Nagaland . . . . .	..	..	..	..	99	..	1,248	..	1,248
12	Orissa	25,000	..	1,170	..	2,535	..	300,795	..	300,795
13	Punjab . . . . .	..	..	142,936	..	3,025	194	830,843	15,321	846,164
14	Rajasthan	1,230	..	10,606	147	9,159	22	212,418	4,277	216,695
15	Uttar Pradesh	1,218	..	92,522	14	21,341	209	846,824	54,695	901,519
16	West Bengal	75,397	..	2,844	..	24,281	..	1,374,412	365,777	1,740,189
17	Union Territories :									
	(a) Delhi . . . . .	..	..	2,764	..	15,164	..	309,919	8,700	318,619
	(b) Andaman and Nicobar Islands . . .	..	..	..	..	98	..	2,090	..	2,090
	(c) Goa, Daman and Diu . . . . .	..	..	..	..	21	..	7,122	1,290	8,412
	(d) Himachal Pradesh . . .	..	..	4	..	15	..	13,445	..	13,445
	(e) Laccadive, Mini- coy and Amin- divi Islands . . . . .	..	..	..	..	..	..	186	..	186
	(f) Manipur . . . . .	..	..	..	..	27	..	2,512	..	2,512
	(g) Pondicherry . . . . .	..	..	14,999	..	405	..	50,007	..	50,007
	(h) Tripura . . . . .	..	..	..	..	..	..	2,954	..	2,954
	TOTAL	247,074	1,408	1,666,034	631	184,397	1,315	12,110,774	494,961	12,605,735

NOTE—(1) Assam—Data for 1963-64 of Assam State Electricity Board repeated.

(2) Jammu & Kashmir—Partial data for 1963-64.

(3) Uttar Pradesh—Data received from U. P. State Electricity Board incomplete.

(4) Bihar, Madras, Orissa and Delhi Electric Supply Undertaking.—Break up of A.C. and D. C. consumers and connected load in respect of State Electricity Boards in Bihar, Madras, Orissa and Delhi Electricity Supply Undertaking are not available, as such these are covered under A.C. only.

(5) Delhi—Data from New Delhi Municipal Committee not received. Data for 1963-64 repeated.

TABLE 47.—TOWNS AND VILLAGES ELECTRIFIED AS ON 31-3-1965

12-1 CW&PC/68

Sl. No.	Name of State/Union Territory	Population grouping according to 1951 census								Grand Total
		0-4999	5000 to 9999	Total upto 9999	10,000 to 19,999	20,000 to 49,999	50,000 to 99,999	100,000 and above	Total above 100,000	
1	Andhra Pradesh	4,127	310	4,437*	85	34	11	7	137	4,574
2	Assam	51	13	64	7	6	1	..	14	78
3	Bihar	3,363	126	3,489	40	19	6	5	70	3,559
4	Gujarat	1,253	137	1,390	42	35	4	6	87	1,477
5	Jammu & Kashmir**	521	11	532*	4	1	..	2	7	539
6	Kerala	1,377	340	1,717	138	12	5	3	158	1,875
7	Madhya Pradesh**	851	98	949	53	39	5	8	96	1,045
8	Madras	8,388	488	8,876	139	58	12	7	216	9,092
9	Maharashtra	2,881	192	3,073	72	39	16	5	132	3,205
10	Mysore	3,545	128	3,673	55	19	7	6	87	3,760
11	Nagaland**	6	2	8	..	..	..	..	..	8
12	Orissa**	413	37	450	22	8	3	1	34	484
13	Punjab	5,061	89	5,150	33	26	8	3	70	5,220
14	Rajasthan	572	89	661	23	20	4	4	51	712
15	Uttar Pradesh	3,862	240	4,102*	67	47	15	14	143	4,245
16	West Bengal	892	55	947	46	29	14	7	96	1,043
17	<i>Union Territories—</i>									
	(a) Delhi	242	5	247	2	2	2	2	8	255
	(b) Andman & Nicobar Islands	19	..	19	..	..	..	..	..	19
	(c) Goa, Daman & Diu	13	3	16	5	..	..	..	5	21
	(d) Himachal Pradesh	1,132	5	1,137	..	..	..	..	..	1,137
	(e) Laccadive, Minicoy and Amindivi Islands	2	..	2	..	..	..	..	..	2
	(f) Manipur	56	1	57	..	..	..	..	..	57
	(g) N.E.F.A.	10	1	11	..	..	..	..	..	11
	(h) Pondicherry	174	2	176	..	1	..	..	1	177
	(i) Tripura**	21	6	27	1	..	1	..	2	29
	TOTAL	43,832	2,378	46,210	834	386	114	80	1,414	47,624

*Break up estimated.

**According to 1961 census.

TABLE 48.—ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES DURING 1964-65

Sl. No.	Industry	Total number of factories covered	Installed generating plant capacity as on 31-3-65 (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)	5	22,832	13,028	93,114	89·682	654·274	731·851	..	78·71
2	Aluminium (Secondary)	9	250	75	3,505	0·066	48·370	47·348	..	56·30
3	Cement (Primary)	26	124,23	71,385	114,148	408·551	652·440	1,011·739	4·577	62·25
4	Cement (Secondary)	24	0	451	7,302	0·024	27·855	27·684	..	40·76
5	Chemicals	34	22,681	19,799	80,791	129·071	439·739	553·237	0·837	62·79
6	Collieries	148	63,270	39,675	137,035	182·482	393·660	566·786	0·375	36·61
7	Copper (Primary)	1	8,975	1,370	6,920	8·968	18·034	28·002	..	38·56
8	Copper (Secondary)	1	..	..	1,477	..	4·545	4·545	..	35·13
9	Cotton Textiles	331	121,944	56,168	511,928	374·276	2,416·980	2,743·602	3·287	55·13
10	Engineering	25	4,454	5,650	69,600	1·670	267·317	265·391	..	40·26
11	Ferro-Manganese	6	32	32	57,821	0·001	310·154	304·643	..	60·11
12	Fertilizers	5	82,403	69,221	214,752	450·094	1,587·873	1,980·605	14·970	79·62
13	Gold	1	6,700	15	18,840	0·081	102·165	102·247	..	61·90
14	Iron & Steel (Primary)	7	311,794	217,310	284,688	2	1,530·891	2,308·989	287·581	52·51
15	Iron & Steel (Secondary)	16	800	..	38,322	..	165·924	164·858	1·048	48·88
16	Jute	75	27,558	11,706	123,218	58·514	630·221	680·496	1·774	57·57
17	Oil & Petroleum	5	9,591	500	10,897	28·958	69·960	98·229	0·091	98·39
18	Paper	24	79,441	55,111	52,752	346·582	315·868	613·029	30·545	64·88
19	Silk	17	1,480	1,525	29,555	5·834	180·373	186·208	..	68·02
20	Soap	10	532	230	4,549	0·142	25·590	25·685	..	61·35
21	Sugar	100	102,229	75,418	15,953	167·403	25·625	181·906	3·917	22·73
22	Tanneries	7	737	358	4,825	0·597	20·269	18·563	..	40·77
23	Wool	10	3,574	1,371	11,869	4·296	39·675	43·655	..	37·64
24	Miscellaneous	1	66	..	308	..	1·272	1·272	..	47·14
TOTAL		888	996,256	640,398	1,900,169	3,465,52	9,929·074	12,690,570	349·002	57·02

TABLE 49.—STATEWISE ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES DURING 1964-65

Sl. No.	Name of State/ Union Territory	Total number of factories covered	Installed generating plant capacity as on 31-3-65 (kW)	Aggregate Maximum Demand (kW)		Energy (Million kWh)			
				Generated in own power stations	Purchased from public utility undertakings	Generated in own power stations	Purchased from public utility undertakings	Used in industry	Sold to Outside agencies
1	Andhra Pradesh . . .	22	48,255	26,134	40,176	166·911	293·050	420·468	30·888
2	Assam	2	9,516	500	..	28·951	..	28·262	0·091
3	Bihar	102	291,409	182,131	283,186	1,043·071	1,137,574	1,794·495	287·150
4	Gujarat	104	34,699	19,898	1159,482	111·311	759·521	860·027	0·018
5	Jammu & Kashmir . . .	..	..	..	..	..	0·260	0·260	..
6	Kerala	14	2,951	2,068	69,834	8·099	429·808	429·719	..
7	Madhya Pradesh . . .	44	83,413	52,253	92,907	269·120	496·296	715·052	4·349
8	Madras	79	21,724	15,613	108,935	33·327	478·059	501·522	..
9	Maharashtra	138	63,923	38,317	290,120	158·742	1,418·465	1,566·562	3·818
10	Mysore	31	37,713	25,973	129,324	101·554	647·565	733·096	0·135
11	Nagaland . . . . .	..	..	..	..	..	..	..	..
12	Orissa	10	94,914	91,530	116,613	517·743	761·223	1,204·532	8·041
13	Punjab	16	19,978	16,647	194,514	74·818	1,512·686	1,581·960	..
14	Rajasthan	18	39,201	25,241	7,077	243·867	24·244	253·380	0·015
15	Uttar Pradesh	83	70,765	40,574	75,374	91·489	325·752	411·651	0·197
16	West Bengal	215	151,153	87,125	319,987	511·099	1,599·783	2,056·022	14·299
17	<i>Union Territories</i>								
	(a) Delhi	6	25,291	15,344	7,155	105·070	22·987	111·833	..
	(b) The Rest	3	1,351	1,050	5,485	0·352	21·801	21·729	..
	TOTAL	888	996,256	640,398	1,900,169	3,465·524	9,929·074	12,690·570	349·002

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

Sl. No.	Range of installed plant capacity (kW)	No. of industrial establishments	Aggregate installed plant capacity of the group (kW)	Percentage of total capacity	Energy generated of the group (Million kWh)	Percentage of total energy generated
1	under 1,000	182	70,364	7.06	133.770	3.86
2	1001 to 5,000	82	191,074	19.18	504.356	14.55
3	5,001 to 10,000	20	154,269	15.48	460.598	13.29
4	10,001 to 25,000	14	204,405	20.52	794.232	22.92
5	Over 25,000	5	376,144	37.76	1,572.568	45.38
	TOTAL	303	996,256	100.00	3,465,524	100.00

TABLE 51.—INSTALLED GENERATING PLANT CAPACITY OF SELECTED INDUSTRIES (kW)

Sl. No.	Name of State or Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Copper (Primary)	Copper (Secondary)	Cotton Textiles	Engineering	F Manganese	Fertilizer	Gold
1	Andhra Pradesh	..	..	..	310	..	20,900	..	..	2,950	..	..	..	..
2	Assam . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Bihar	4,382	..	37,594	..	..	24,650	8,975	..	..	..	..	80,500	..
4	Gujarat . . . .	..	..	16,524	..	1,568	..	..	..	16,607	..	..	..	..
5	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala . . . .	..	200	..	..	..	..	..	..	641	..	..	1,200	..
7	Madhya Pradesh .	..	..	17,760	..	..	12,220	..	..	14,623	..	..	..	..
8	Madras . . . .	..	..	2,095	..	..	..	..	..	15,486	..	..	..	..
9	Maharashtra . .	..	..	..	320	14,711	..	..	..	20,972	..	..	..	..
10	Mysore . . . .	..	..	10,000	..	..	..	..	..	7,917	4,014	32	..	6,700
11	Nagaland . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..
12	Orissa . . . .	..	50	370	..	..	3,000	..	..	1,600	..	..	..	..
13	Punjab . . . .	..	..	2,700	..	..	..	..	..	1,935	..	..	543	..
14	Rajasthan . . . .	..	..	30,040	..	..	..	..	..	8,117	..	..	160	..
15	Uttar Pradesh . .	..	..	7,200	..	6,092	..	..	..	4,322	410	..	..	..
16	West Bengal . . .	18,450	..	..	..	250	2,500	..	..	192	..	..	..	..
17	<i>Union Territories:</i>													
	(a) Delhi . . . .	..	..	..	..	60	..	..	..	25,231	..	..	..	..
	(b) Rest . . . .	..	..	..	..	..	..	..	..	1,351	..	..	..	..
	TOTAL	22,832	250	124,283	630	22,631	63,270			121,944	4454	32	82,403	6,700

TABLE 51—*contd.*

Sl. No.	Name of State or Union Territory	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Oil & Petroleum	Paper	Silk	Soap	Sugar	Tanneries	Wool	Miscellaneous	Total
1	Andhra Pradesh	..	..	..	75	18,280	..	..	5,740	..	..	..	48,255
2	Assam . . .	..	..	..	9,516	..	..	..	..	..	..	..	9,516
3	Bihar . . .	120,500	..	3,989	..	..	..	..	10,819	..	..	..	291,409
4	Gujarat . . .	..	..	..	..	..	..	..	..	..	..	..	34,699
5	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala . . .	..	..	..	..	544	..	366	..	..	..	..	2,951
7	Madhya Pradesh .	36,000	..	..	..	580	..	..	2,230	..	..	..	83,413
8	Madras . . .	..	..	..	..	..	..	..	3,856	287	..	..	21,724
9	Maharashtra . .	..	800	..	..	..	1,480	166	25,184	..	224	66	63,923
10	Mysore . . .	900	..	..	..	5,000	..	..	3,120	..	..	..	37,713
11	Nagaland . . .	..	..	..	..	..	..	..	..	..	..	..	..
12	Orissa . . .	79,144	..	..	..	10,750	..	..	..	..	..	..	91,914
13	Punjab . . .	..	..	..	..	9,750	..	..	4,150	..	900	..	19,978
14	Rajasthan . . .	..	..	..	..	..	..	..	884	..	..	..	39,201
15	Uttar Pradesh .	..	..	780	..	3,837	..	..	45,224	450	2,450	..	70,765
16	West Bengal . .	75,250	..	22,789	..	30,700	..	..	1,022	..	..	..	151,153
17	<i>Union Territories:</i>												
	(a) Delhi . . .	..	..	..	..	..	..	..	..	..	..	..	25,291
	(b) Rest . . .	..	..	..	..	..	..	..	..	..	..	..	1,351
	TOTAL .	311,794	800	27,558	9,591	79,441	1,480	532	102,229	737	3,574	66	996,256

TABLE 52.—ENERGY CONSUMED IN SELECTED INDUSTRIES (MILLION kWh)

Sl. No.	Name of State or Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Copper (Primary)	Copper (Secondary)	Cotton textiles	Engineering	Iron-manganese	Fertilizer	Gold
1	Andhra Pradesh . . . . .	..	..	54·213	..	..	59·964	..	..	14·231	5·039	123·279	..	..
2	Assam . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..
3	Bihar	17,528	0·111	275·801	1·688	19·059	257·469	28·002	..	1·177	133·528	..	393·083	..
4	Gujarat . . . . .	..	..	107·583	0·512	18·158	..	..	..	719·544	..	..	..	..
5	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala	137,067	6·067	7·398	..	88·314	..	..	..	9·716	..	..	171·400	..
7	Madhya Pradesh . . . . .	..	..	69·392	5·544	..	81·239	..	..	141·470	..	..	..	..
8	Madras	1,345	0·090	126·691	..	71·850	..	..	..	283·316	..	..	..	..
9	Maharashtra . . . . .	..	1·882	..	6·891	148·256	2·260	..	4·545	982·906	31·457	40·587	..	..
10	Mysore . . . . .	..	..	67·914	0·015	0·844	..	..	..	60·741	36·239	35·533	18·277	102·247
11	Nagaland . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..
12	Orissa	409,976	5·218	41·133	..	..	10·743	..	..	10·583	..	105·244	..	..
13	Punjab . . . . .	..	..	71·541	..	..	..	..	..	35·550	2·607	..	1,397·548	..
14	Rajasthan . . . . .	..	..	136·058	0·688	..	..	..	..	115·578	..	..	0·297	..
15	Uttar Pradesh . . . . .	..	..	54·015	..	31·577	..	..	..	167·460	2·999	..	..	..
16	West Bengal	165,935	33·980	..	12·197	124·845	155·111	..	..	118·251	53·522	..	..	..
17	<i>Union Territories :</i>													
	(a) Delhi . . . . .	..	..	..	0·149	50·333	..	..	..	61·350	..	..	..	..
	(b) The Rest. . . . .	..	..	..	..	..	..	..	..	21·729	..	..	..	..
	TOTAL	731,851	47·348	1,011·739	27·684	553·236	566·786	28·002	4·545	2,743·602	265·391	304·643	1,980·605	102·247

TABLE 52—contd.

Sl. No.	Name of State or Union Territory	Iron and steel (Primary)	Iron and secondary	Jute	Oil and petroleum	Paper	Silk	Soap	Sugar	Tanneries	Wool	Miscellaneous	Total
1	Andhra Pradesh	..	..	17.721	18.188	80.700	30.404	..	16.729	..	..	..	420.468
2	Assam	..	..	..	28.262	..	..	..	..	..	..	..	28.262
3	Bihar	594.738	44.280	12.589	..	..	..	..	15.442	..	..	..	1791.495
4	Gujarat	..	..	..	..	6.907	3.940	..	..	..	3.383	..	860.027
5	Jammu & Kashmir	..	..	..	..	..	0.260	..	..	..	..	..	0.260
6	Kerala	..	..	..	..	9.757	..	..	..	..	..	..	429.719
7	Madhya Pradesh	359.373	..	..	..	55.544	..	..	2.490	..	..	..	715.052
8	Madras	..	4.173	..	..	..	..	..	13.325	0.732	..	..	501.522
9	Maharashtra	..	42.222	..	49.296	42.579	148.065	21.419	36.643	..	6.282	1.272	1566.562
10	Mysore	330.300	..	..	..	50.977	0.639	0.443	8.343	0.180	20.404	..	733.096
11	Nagaland	..	..	..	..	..	..	..	..	..	..	..	..
12	Orissa	516.343	..	..	..	105.292	..	..	..	..	..	..	1204.532
13	Punjab	..	..	..	..	59.620	1.618	..	5.664	..	7.782	..	1581.960
14	Rajasthan	..	0.156	..	..	..	..	..	0.603	..	..	..	253.380
15	Uttar Pradesh	..	11.066	11.266	..	43.829	..	..	81.204	2.909	5.326	..	411.651
16	West Bengal	508.235	62.961	638.920	2.483	157.824	1.252	3.823	1.463	14.742	0.478	..	2056.022
17	<i>Union Territories—</i>												
	(a) Delhi	..	..	..	..	..	..	..	..	..	..	..	111.833
	(b) The rest	..	..	..	..	..	..	..	..	..	..	..	21.729
	TOTAL	2308.989	164.858	680.496	98.229	613.029	186.208	25.685	181.906	18.563	43.653	1.272	12,690.570

TABLE 53.—INSTALLED CAPACITY AND GENERATION BY THE INDIAN RAILWAYS

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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	@4,500	5,392	..	9,892	8.159	12.196	..	20.355	4,829	1.376	35,899	..	4,219
2	Eastern Railway	10,500	225	..	10,725	19.932	0.202	..	20.134	3,686	1.703	32,024	0.2	72
3	Northern Railway	4,900	4,597	..	9,497	13.437	2.211*	..	15.648	633*8	0.951*	16,861	..	959
4	North Eastern Railway	3,000	1,637	..	4,637	2.915	0.456	..	3.371	933	0.454*	8,002	..	192
5	North-East Frontier Railway	46	6,418	..	6,464	0.050	11.625	..	11.675	2,901	0.396*	1,221	..	3,755
6	Southern Railway	1,500	2,270	..	3,770	0.180	1.114	..	1.294	1,435	0.128	387	..	413
7	South-Eastern Railway	7,640	272	..	7,912	13.666	0.296	..	13.962	3,471	1.813*	52,209	..	159
8	Western Railway	7,800	4,437	..	12,237	13.289	5.075	..	18.364	5,870	1.722*	20,488	..	2,062
	TOTAL .	39,886	25,248	..	65,134	71.628	33.175	..	104.803	31,461	8.543	177,091	0.2	11,831

@Excluding Chola Power Station which has been considered as a utility power station.

* Partly estimated.

TABLE 54.—ELECTRICAL ACCIDENTS DURING 1964-65

Sl. No.	Name of State or Union Territory	Generating and Sub Stations				Transmission				Distribution				Total	
		Electric supply undertakings		Industrial undertakings		Electric supply undertakings		Industrial undertakings		Electric supply undertakings		Industrial undertakings			
		Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Andhra Pradesh . . .	5	12	..	..	32+2*	28	..	..	62+12*	48	4	2	103+14*	90
2	Assam . . . . .	..	..	..	..	..	8	..	..	..	..	..	..	..	8
3	Bihar	3	4	..	..	..	6	..	..	16+1*	19	1	18	20+1*	47
4	Gujarat . . . . .	..	18	..	..	4+1*	15	..	..	22+21*	25	..	2	26+22*	60
5	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..	..	..	..	..
6	Kerala	1	4	..	..	10	5	..	..	32	37	1	1	44	47
7	Madhya Pradesh . . .	..	..	..	..	7	10	..	..	28+4*	53+1*	..	..	35+4*	63+11*
8	Madras	5	14	..	..	28	66	..	..	118+17*	132+2*	1+1*	8	152+18*	220+2*
9	Maharashtra	1	3	..	..	18+1*	19	1	..	28+12*	24	3	5	51+13*	51
10	Mysore . . . . .	..	2	..	..	20+3*	7	..	..	37+32*	63	..	..	37+35*	72
11	Nagaland . . . . .	..	..	..	..	..	..	..	..	..	2	..	..	..	2
12	Orissa	2	..	..	..	17	10	..	..	4	1	..	..	23	11
13	Punjab	3	11	..	..	19+5*	7	..	..	50+8*	45	..	1	72+13*	64

14	Rajasthan . . .	..	..	..	..	..	1	..	..	2	3	..	..	2	4
15	Uttar Pradesh . . .	..	..	..	..	38+4*	42	..	..	84+6*	84	..	..	122+10*	126
16	West Bengal . . .	..	1	..	..	..	2	..	..	27+6*	2	18	2	45+6*	7
17	<i>Union Territories :</i>														
	(a) Delhi . . .	1	5	..	..	1	..	..	..	6	17	4	2	12	24
	(b) Andaman and Nicobar Islands	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(c) Goa, Daman & Diu . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(d) Himachal Pradesh . . .	..	..	..	..	1	1	..	..	1	8	..	..	2	9
	(e) Laccadive, Mi- nicoy and Amin- divi Islands . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	(f) Manipur . . .	..	..	..	..	..	..	..	..	1*	..	..	..	1*	..
	(g) Pondicherry . . .	..	..	..	..	..	1	..	..	..	1	..	..	..	2
	(h) Tripura . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..
18	Mines . . .	..	..	1	..	..	..	3	..	..	..	15	9	9	9
19	Railways . . .	..	..	2	..	..	..	1	4	..	..	..	5	3	9
	TOTAL . . .	21	74	3	..	195+16*	228	5	4	517+120*	564+3*	37+1*	55	778+137*	925+3*

*Note.--Figures with asterisk indicate animals involved in the accidents and remaining figures indicate human beings involved.

Statement of Capital Outlay (i. e.) Original Cost of Plant, Equipment, etc., on Electricity Supply Systems and Undertakings Owned and Operated by State Government Departments, State Electricity Boards, Power Corporations and Local Authorities in the Public Sector and Companies Partnerships etc., in the Private Sector as on 31st March, 1964

TABLE 55.—CAPITAL EXPENDITURE

(Figures in Rs. lakhs)

Serial No.	States and Union Territories	State Owned				Private		Total	
		Government's, Boards and Corporations		Municipalities		Companies			
		1962-63	1963-64	1962-63	1963-64	1962-63	1963-64	1962-63	1963-64
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	7,446	8,359	..	..	..	..	7,446	8,359
2	Assam	631	692	..	..	98	106	729	798
3	Bihar	4,516	6,019	..	..	494	534	5,010	6,553
4	Gujarat	5,160*	6,645*	118	126	2,728	2,959	8,006	9,730
5	Jammu & Kashmir . . . . .	..	—	..	..	..	..	..	—
6	Kerala	3,844	4,638	23	25	101	106	3,968	4,769
7	Madhya Pradesh	3,862*	3,605	..	..	229	235	4,091	3,840
8	Madras	13,512	14,610	128	139	650	713	14,290	15,462
9	Maharashtra	4,540*	6,241*	2,991	3,045	5,804	6,068	13,335	15,354
10	Mysore	4,992	5,262	..	..	118	128	5,110	5,390
11	Orissa	1,795	2,017	..	..	..	..	1,795	2,017
12	Punjab	11,119*	10,437	85	121	76	80	11,280	10,638
13	Rajasthan	2,253	3,265	..	..	147	145	2,400	3,410
14	Uttar Pradesh	7,271	8,175	208	215	1,302	1,493	8,781	9,883
15	West Bengal	1,955*	1,245	24	24	5,555	6,295	7,534	7,564
16	Damodar Valley Corpn.	8,100	8,685	..	..	..	..	8,100	8,685
17	Union Territories—								
	(a) Delhi . . . . .	..	..	1,834	2,354	..	..	1,834	2,354
	(b) Rest	390	515	..	..	7	8	397	523
	TOTAL	81,386	90,410	5,411	6,049	17,309	18,870	104,106	115,329

*Including Works-in-Progress.

**PUBLIC ELECTRICITY INDUSTRY—CONSOLIDATED ANNUAL ACCOUNT FOR THE YEAR ENDED
31st MARCH, 1964**

TABLE 56(a).—CAPITAL ACCOUNT 1963-64

(Figures in Rs. lakhs)

1962-63		Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total	1962-63		Govt. Departments/ Boards/ Power Corporation	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	1. TO GENERATION ASSETS—						1. BY CAPITAL RAISED—				
	(a) Steam Power Station—						(a) Invested by States—				
	(i) Land	402	5	104	511	G—89,364	(i) Government Undertakings.	1,12,895	..	..	1,12,895
	(ii) Buildings	2,308	..	943	3,251	M—3,081	(ii) Municipal Undertakings.	..	3,722	..	3,722
	(iii) Boilers Turbines etc.	13,502	738	4,975	19,215		GROUP TOTAL	1,12,895	3,722	..	1,16,617
G—14,730 M— 351 C— 5,475	(iv) Other Equipments	1,604	..	184	1,788		(b) Invested by Private Sector—				
20,556	Group Total	17,816	743	6,206	24,765	Companies	(i) Ordinary Share Capital.	..	..	3,795	3,795
	(b) Diesel Power Stations—					O—3,794 P—657	(ii) Preference Share Capital	..	..	657	657
	(i) Land	47	1	5	53		(iii) Debentures	..	..	1,653	1,653
G—1,493	(ii) Buildings	344	13	52	409	D —1,238	(iv) Other Secured Loan Capital.	..	..	1,975	1,975
M— 201	(iii) Engines Generators etc.	2,545	195	363	3,103	SL—1,871					
C— 433	(iv) Other Equipments	71	..	6	77	7,560					
2,127	GROUP TOTAL	3,007	209	426	3,642	G — 43 M — 228 C — 166 437	2. BY CAPITAL RESERVE	60	229	187	476

TABLE 56(a).—concl'd.

1	2	3	4	5	6	7	8	9	10	11	12
G—22,985	(i) Hydro Power Stations—										
M— 69	(i) Land	366	1	72	439	G —486	3. BY CONSUMERS CONTRIBUTION FOR SERVICE LINES	524	251	1,170	1,945
	(ii) Buildings	1,867	6	109	1,982	M —247					
	(iii) Hydraulic Power Plant	13,235	39	341	13,615	C —1,040					
						1,773					
C— 1,605	(iv) Civil Works	9,308	29	1,120	10,457						
24,659	GROUP TOTAL	24,776	75	1,642	26,493						
47,342	SUB-TOTAL (Generation Assets).	45,599	1,027	8,274	54,900						
G—15,253											
M— 92											
C— 1,588											
16,933	2. TO TRANSMISSION ASSETS	15,700	99	1,738	17,537						
	3. TO DISTRIBUTION ASSETS—										
	(i) Cables and Mains	12,484	1,373	3,215	17,072						
G—20,088	(ii) Sub-Stations Transformers	6,012	613	1,841	8,466						
M— 2,886	(iii) Service Lines	2,371	542	1,797	4,710						
	(iv) Public Lighting	920	68	226	1,214						
C— 7,533	(v) Meters, Testing Instruments etc.	2,500	530	1,071	4,101						
30,507	GROUP TOTAL	24,287	3,126	8,150	35,563						
	4. TO GENERAL ASSETS—										
	(i) Land, Buildings and Structures etc.	463	219	245	927						
G —4,419	(ii) Office Furniture and Miscellaneous Equipment.	1,421	81	233	1,735						
	(iii) Workshop Plant and Equipment, Tools and Implements.	1,194	23	51	1,268						

M— 316													
C— 596	(iv) Transportation and Communication	632	24	101	757								
5,331	GROUP TOTAL	3,710	347	630	4,687								
G— 2,418													
M— 25													
C— 79													
2,522	5. TO INTANGIBLE ASSETS	1,114	31	78	1,223								
M— 1,471	6. TO SPECIAL ITEMS (Tramways in the case of Bombay).	..	1,419	..	1,419								
G— 81,386						G— 89,893							
M— 5,411						M— 3,556							
C— 17,309						C— 8,766							
1,04,106	Total carried to General balance sheet.	90,410	6,049	18,870	1,15,329	1,02,215	1,13,479	4,202	9,437	1,27,118			

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

TABLE 56(b).—REVENUE ACCOUNT 1963-64

(Figures in Rs. lakhs)

1962-63		Govt. Departments/ Boards/ Power Corporation	Municipalities	Companies	Total	1962-63		Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	TO OPERATING EXPENSES						BY OPERATING REVENUES				
	1. GENERATION						1. SALE OF ELECTRICITY				
G— 1,837 M— 120 C— 1,464						G— 2,480 M— 566 C— 1,408					
3,421	(a) (i) Coal	1,866	132	1,596	3,594	4,454	(i) Domestic and Residential.	1,793	604	1,553	3,950
G— 220 M— 39 C— 244						G— 531 M— 347 C— 461					
403	(ii) Oil	276	30	166	472	1,339	(ii) Commercial	1,130	423	510	2,063
G— 80 M— 8 C— 27						G— 4,783 M— 400 C— 3,040					
115	(iii) Consumable Stores	100	6	30	136	8,223	(iii) Industrial	5,930	520	3,739	10,189
G— 506 M— 27 C— 146						G— 368 M— 44 C— 107					
679	(b) Salaries and Wages	381	31	160	572	519	(iv) Public Lighting	293	32	110	435
G— 487 M— 9 C— 204						G— 51 M— 56 C— 130					
700	(c) Repairs and Maintenance.	364	10	221	595	237	(v) Public Water Works and Sewage Pumping.	224	63	145	432

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G—1,683 M— 623 C—1,391						G— 997 M— 10 C— 31							
3,697	(d) Purchase of Energy	2,569	778	1,832	5,179	1,038	(vi) Irrigation	1,213	9	38	1,260		
	2. TRANSMISSION—												
						M— 1 C— 36							
						37	(vii) Traction	135	4	87	226		
G— 156 M— 3 C— 23						G—2,262 M— 121 C— 722							
182	(a) Salaries and Wages	154	3	28	185	3,105	(viii) Supplies in Bulk to Distributing Licensees.	2,563	127	980	3,670		
G— 101 C— 13													
114	(b) Repairs and Maintenance	122	..	15	137	G— 114 M— 41 C— 85							
	3. DISTRIBUTION—												
G— 609 M— 71 C— 210						240	2. METER AND OTHER RENTALS	124	53	97	274		
890	(a) Salaries and Wages	517	89	227	833								
G— 364 M— 41 C— 138						M— 6 C— 7							
543	(b) Repairs and Maintenance	424	53	154	631	13	3. SERVICE CONNECTION FEES	10	3	5	18		
G— 35 M— 18 C— 38						G— 8 M— 7 C— 14							
91	(c) Public Lighting (Attendance repairs and renewals)	38	19	43	100	29	4. PUBLIC LIGHTING MAINTENANCE	21	25	15	61		
						G— 477 M— 59 C— 88							
						624	5. MISCELLANEOUS RECEIPTS	949	52	104	1,105		

TABLE 56 (b)—contd.

1	2	3	4	5	6	7	8	9	10	11	12
	4. CONSUMERS SERVICING— (Billing Accounting etc.)										
G— 71 M— 7 C— 22											
100	(a) Salaries and Wages	18	7	24	49						
G— 10 M— 54 C— 133											
197	(b) Other Expenses	68	63	146	277						
	5. GENERAL ESTABLISHMENT CHARGES										
G— 167 M— 32 C— 136											
335	(a) Salaries and Wages	365	34	141	540						
G— 641 M— 96 C— 278											
1,015	(b) Other Expenses (including Provident Fund etc.).	929	112	375	1,416						
	6. MANAGEMENT EXPENSES—										
C— 8											
8	(a) Directors' Fee and Expenses.	..	..	8	8						
C— 72											
72	(b) Managing Agents Ordinary Remuneration and Office Allowance.	..	..	97	97						
	7. ADMINISTRATION—										
M— 52											
52	Members Remuneration and other Expenses (L.A.).	..	56	1	57						

G-1,569 M- 94 C- 480 <hr/> 2,143	8. DEPRECIATION	2,172	98	505	2,775					
G-8,536 M-1,294 C-4,927 <hr/> 14,757	TOTAL OPERATING EXPENSES	10,363	1,521	5,769	17,653					
G-3,535 M- 364 C-1,202 <hr/> 5,101	TO BALANCE CARRIED OVER	4,022	394	1,614	6,030					
G-12,071 M- 1,658 C- 6,129 <hr/> 19,858	TOTAL	14,385	1,915	7,383	23,683	G-12,071 M- 1,658 C- 6,129 <hr/> 19,858	14,385	1,915	7,383	23,683

TABLE 56(c)—NET REVENUE AND APPROPRIATION ACCOUNT 1963-64

(Figures in Rs. Lakhs)

1962-63		Government De- part- ments/ Boards/ Power Corporations	Muni- cipali- ties	Com- panies	Total	1962-63		Government De- part- ments/ Boards/ Power Corporations	Muni- cipali- ties	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	To Appropriation (Appli- cable to local authority licensee only).					G -3,535 M - 364 C - 1,202 <hr/> 5,101	By Balance Brought for- ward from Revenue Account.	4,022	394	1,614	6,030
M - 54 <hr/> 54	(a) Interest on loan capital.	..	57	..	57	G - 110 M - 9 C - 26 <hr/> 145	By interest on Securities and Investment.	220	13	26	259
M - 15 <hr/> 15	(b) Instalment of re- demption of loan capital.	..	17	..	17	M(-) 49 <hr/> (-) 49	By deficit on incidental business (Tramways and Omnibuses of Bombay Municipality).	..	(-)56		(-)56
M - 92 <hr/> 92	(c) General rates	..	89	..	89						
M - 1 C - 420 <hr/> 421	To taxes on income and profits.	..	2	526	528	M - 86 C - 19 <hr/> 105	By balance of profit brought forward from previous year.	..	98	58	156
G - 1 C - 8 <hr/> 9	To instalment of write down in respect of in- tangible assets	3	1	11	15	G- 1,476 <hr/> 1,476	By balance carried over to General Balance Sheet	2,609	..	7	2,616
M - 5 C - 47 <hr/> 52	To contribution towards contingencies reserve.	..	5	66	71						

G - 17 M - 1 C - 34	To development reserve	..	1	93	94
52					
C - 8	To appropriation to Tariffs and Dividends Control Reserve.	..	..	19	19
8					
M - 9 C - 10	To appropriations to consumers rebate re- serve.	..	10	20	30
19					
M - 40 C - 15	To special appropria- tions permitted by State Government.	..	29	12	41
55					
G - 445 M - 50 C - 223	To other appropriations	623	57	355	1,035
718					
	To appropriation to- wards interest paid and accrued and dividends paid and payable.				
M - 14 C - 60	(a) Interest on deben- tures.	..	14	75	89
74					
G - 3,256 M - 10 C - 89	(b) Interest on other secured loans.	3,874	40	94	4,008
3,355					
G - 15 M - 2 C - 16	(c) Interest on con- sumers security deposits.	17	2	17	36
33					

1	2	3	4	5	6	7	8	9	10	11	12
G — 77 M — 15 C — 47 <hr/> 139	(d) Interest on unsecured loans, advances, deposits, bank over drafts etc.	86	14	77	177						
C — 28 <hr/> 28	(e) Dividends on preference share capital.	..	..	29	29						
C — 238 <hr/> 238	(f) Dividends on ordinary share capital.	..	..	249	249						
C—1,310 <hr/> 1,310	To balance of loss brought forward.	2,248	..	62	2,310						
M— 102 C— 4 <hr/> 106	To Balance carried over to General Balance Sheet.	..	111	..	111						
G—5,121 M—410 C—1,247 <hr/> 6,778	TOTAL	6,851	449	1,705	9,005	G— 5,121 M— 410 C— 1,247 <hr/> 6,778		6,851	449	1,705	9,005

TABLE 56(d)— GENERAL BALANCE SHEET AS AT 31ST MARCH, 1964

1962-63		Government Depart- ments/ Boards/ Power Corporation	Muni- cipa- lities	Com- panies	Total	1962-63		Government Depart- ments/ Boards/ Power Corporation	Muni- cipa- lities	Com- panies	Total
1	2	3	4	5	6	7	8	9	10	11	12
1,02,215	Fixed capital raised and appropriated as per the capital account.	1,13,479	4,202	9,437	1,27,118	104,106	Capital expenditure on works as per the capital accounts.	90,410	6,049	18,870	1,15,329
							Less				
2,057	Capital Redemption Sinking Fund and other Reserves.	708	1,466	403	2,577	16,083	Accumulated Provision for depreciations.	12,059	1,232	6,096	19,387
	RESERVES AND SURPLUS.					88,023	NET BLOCK	78,351	4,817	12,774	95,942
5,404	Non-Statutory Reserve	2,760	870	2,071	5,701	44	Balance of written down cost of obsolete and inadequate assets.	11	1	36	48
46	Special appropriation (as permitted by State Government).	..	3	44	47		CURRENT ASSETS				
437	Contingencies Reserve Fund.	3	48	449	500	11,720	Capital works in progress.	22,166	652	1,151	23,969
196	Tariffs and Dividends Control Reserve.	..	148	65	213		Stores and materials in hand.				
115	Consumers Rebate Reserve.	..	2	133	135	549	(a) Fuel coal and/or oil at cost.	147	25	138	310
389	Development Reserve	1	3	478	482	10,062	(b) General stores at or below cost.	12,106	637	1,006	13,749
106	Balance of net revenue and appropriation account.	..	111	..	111	2,963	Sundry debtors for electricity supplied.	2,069	411	1,074	3,554
	Current liabilities and provision—					4,223	Other debtors	8,557	83	247	8,887

TABLE 56(d)—Contd.

1	2	3	4	5	6	7	8	9	10	11	12
5,672	Creditors on open account.	6,812	278	732	7,822	2,686	Accounts receivable	795	190	78	4,063
3,810	Consumers Security Deposits.	2,696	266	765	3,727		Investment in Statutory Securities at cost.				
7,904	Accounts Payable	10,417	494	1,421	12,332	318	(a) Contingencies Reserve Fund investment (Market value on closing date).	..	6	391	397
413	Balance due on construction of plant and machinery.	77	—	188	265						
2,626	Temporary accommodations Bank over-drafts and other finances.	2,126	296	1,328	3,750	3,632	(b) Other Investment (Market Value on closing date).	3,250	827	114	4,191
							Special Deposits				
						113	(a) In respect of taxation.	..	..	161	161
						1,495	(b) Other	1,443	14	73	1,530
							Balance at Bank—				
						1,939	(a) Deposit Account	1,431	268	71	1,770
						1,661	(b) Current Account and at Cal ¹ .	2,357	201	159	2,717
						242	Cash in Hand	559	35	26	620
							<i>Debit Balances</i>				
						244	Deferred Payments	228	20	8	256
						1,476	Debit balance of net revenue and appropriation accounts.	2,609	..	7	2,616
1,31,390		1,39,079	8,187	17,514	1,64,780	1,31,390		1,39,079	8,187	17,514	1,64,780

TABLE 57.—AVERAGE PRICE OF ELECTRICITY

Sl. No.	Category of Sale	kWh sold in 1963-64 (Millions)	Revenue Realised in Rupees (lakhs)	Revenue Realised in Paise per kWh sold
(1)	(2)	(3)	(4)	(5)
1	Domestic and commercial premises for lighting, heating, small power etc.	3,487	6,448	18.49
2	Industrial and Traction	16,740	10,847	6.48
3	Agriculture	1,153	1,260	10.93
4	All purposes	21,380	18,555	8.68

TABLE 58.—SOME IMPORTANT FINANCIAL FEATURES FOR THE YEAR 1961-62 TO 1963-64

(1)	Unit	1962	1963	1964
	(2)	(3)	(4)	(5)
1 Installed Plant capacity	kW.	5,201,883	5,779,795	6,228,533
2 Average cost per kW installed	Rs.	1,759	1,801	1,852
3 Number of consumers	No.	5,368,431	5,909,900	6,925,750
4 Average capital outlay per consumer	Rs.	1,705	1,762	1,665
5 Maximum demand	kW.	3,971,206	4,635,049	5,255,703
6 Average capital outlay on transmission, distribution, etc. per kW of maximum demand	Rs.	1,174	1,193	1,123

TABLE 59.—CONSOLIDATED CAPITAL OUTLAY BY OWNERSHIP

	1960		1961		1962		1963		1964	
	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	566,26	79	598,75	79	747,03	82	867,97	83	964,59	84
Private Sector	146,97	21	160,08	21	168,23	18	173,09	17	188,70	16
TOTAL	713,23	100	758,83	100	915,26	100	1,041,06	100	1,153,29	100

CONSOLIDATED CAPITAL OUTLAY OF ELECTRICITY SUPPLY UNDERTAKINGS

(1)	Units	1960	1961	1962	1963	1964
	(2)	(3)	(4)	(5)	(6)	(7)
On Electrical Works	Rs. (Lakhs)	700,37	745,58	901,17	1,026,35	1,139,10
Non-Electrical Works like Tramways and Omni-bus.	Rs. (Lakhs)	12,86	13,25	14,09	14,71	14,19
TOTAL	Rs. (Lakhs)	713,23	758,83	915,26	1,041,06	1,153,29

APPENDIX
ADDRESSES OF PUBLIC ELECTRICITY SUPPLY
UNDERTAKINGS AND SYSTEM OF SUPPLY
AS ON 31-3-1965

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.
	(CENTRAL DIESEL STATION) 1. Hussainsagar 2. Mahboobnagar 3. Nirmal 4. Nizamabad 5. Nizamsagar 6. Trimulghery	BOARD—contd. The Chief Engineer, Electricity, Andhra Pradesh Electricity Board, opposite Bella Vista, P.O. Hyderbaad-4.		
		ASSAM		
		BOARD		
1-1	Gauhati Electrical Division, 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		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	Naharakatiya Transmis- sion Division (East). AMC Dibrugarh Doom Dooma		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-4	Nalbari Electrical Division Abbeyapuri Goalpara Kokrajhar Mangaldai Nalbari Sualkuchi Tura	The Chief Engineer, Assam State Electricity Board, Uzan Bazar, Gauhati.	400 230 400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-5	Nowgong Electrical Division Aijal Diphu Hailakandi Hojai Karimganj Nowgong			
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.
BOARD—contd.				
1-7	Umtru Electrical Division, Umtru	The Chief Engineer, Assam State Electricity Board, Uzan Bazar, Gauhati.	6,600 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-8	Umium Transmission Division, Jowai		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
COMPANIES				
2	Dibrugarh	The Dibrugarh Electric Supply Co., Private Ltd., P.O. Rehajari, Post Box No. 9, Dibrugarh.	440 220	D.C. 3 Wire D.C. 2 Wire
3	Dhubri	The National Power Supply Corporation Ltd., (Dhubri Branch) 23-B, Allenby Road, Calcutta-20.	400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
4	Shillong	The Shillong Hydro Electric Ltd., M/A. Development of Industries (India) Private Ltd., 135, Prinsep Street, Calcutta-13.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
5	Sitchar	The Silchar Electric Supply Ltd., M./A. M/s. Sarada Charan Barda Kanta Roy, Silchar.	440 220	D.C. 3 Wire D.C. 2 Wire
6	Tinsukia	The Tinsukia Electric Supply Co. Ltd., P.O. Senairam Bazar, Tinsukia.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
BIHAR				
BOARD				
1-1	Aurangabad Division	The Chief Electrical Engineer, Bihar State Electricity Board, Patna.	400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-2	Arrah Division		400 230 460 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-3	Barauni Thermal Power Station		132,000 330,000 11,000	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 3 ph. A.C. 50 cy
1-4	Bettiah Division Bettiah Barigania Chakia, Sitamarhi		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-5	Bihar Shariff Division		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-6	Chapra Division Chapra Mirganj		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 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.					
1-7	Dhanbad Division		11,000 400 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-8	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	
1-9	Deogarh Division		400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-10	Dumkia Division Sahebganj				
1-11	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	
1-12	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	
1-13	Kodarma Division		11,000 440 230	3 ph. A.C. 50 cy 3 ph. A.C. 50 cy 1 ph. A.C. 50 cy	
1-14	Monghyr Division		The Chief Electrical Engineer, Bihar State Electricity Board, Patna.	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	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
1-16	Patna Division			400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-17	Purnea Division Begusarai Forbesganj Katihar Krishanganj Saharsa			400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-18	Ranchi Division Gumla Netarhat Simdega			400 230	3 ph. A.C. 50 cy 1 ph. A.C. 50 cy
1-19	Singhbham 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.
POWER CORPORATION				
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
COMPANIES				
3	Bhagalpur	The Bhagalpur Electric Supply Co., M/A M/s. Octavious 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. Octavious 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. Octavious Steel & Co. Ltd., 14, Old Court House 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.
		BOARD		
1-1	Baroda Division Chota Udepur Deogad Baria Rajpipra Santrampur	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	Dhuvran Power Station Division Dhuvran		132,000	3 ph. A. C. 50 cy
1-5	Godhra Division		11,000 400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-6	Jamnagar Division(I) & (II). Dhoraji Dwarka Jamnagar Jamkhambaliya Jodia		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
1-7	Junagadh Division Bagasara Una		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-8	Kandla Power House Division Kandla		11,000 400	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy
1-9	Mehsana Division Vijapur		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-10	Nadiad Division		22,000 11,000	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy
1-11	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.
1-12	Palitana Division Botad Dhari Gadhada Lathi Mahuva Palitana Rajula Savarkundla	BOARD—contd.	400 230	1 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-13	Petlad Division Petlad		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-14	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
1-15	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
1-16	Surendranagar Division Chotila Dharangadhra Halwad Zalawad	The Chief Engineer, Gujarat Electricity Board, Race Course, Baroda-1.	400 230 460 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D.C. 3 Wire D.C. 2 Wire
1-17	Shahpur Power House Division Shahpur		6,600	3 ph. A. C. 50 cy
1-18	Sabarmati Division Deesa Dhanduka Modasa Radhanpur		400 230 440 220	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D. C. 3 Wire D.C. 2 Wire
1-19	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
1-20	Surat 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
1-21	Talod Division Ambaji		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.
		BOARD—concl'd.		
1-22	Power Station Division Utran	} The Chief Engineer, Gujarat Electricity Board, Race Course, Baroda-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
1-23	Veraval Division Veraval Veraval old		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
		MUNICIPALITIES		
2	Baroda	The Electrical Engineer, Department of Electricity, Baroda Borough Municipality, Post Box No. 17, Baroda-1.	3,300	3 ph. A. C. 50 cy
			400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
3	Bhadran	The President, Bhadran Municipality, Bhadran.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
4	Jhalod	Jhalod Gram Panchayat, Jhalod, Distt. Panchmahal.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
5	Karjan	The President, Karjan Municipality, Karjan.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
6	Nar	The Electrical Engineer, Nar Gram Panchayat, Nar (Via Anand).	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
7	Palanpur (Iqbal)	The Electrical Engineer, the Iqbal Electric Supply Municipal Power House, Palanpur.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
8	Patan	The Electrical Engineer, Patan Municipality, Patan.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
9	Petlad	The Electrical Engineer, Petlad Municipality, Petlad.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
10	Sojitra	The President, Sojitra Nagar Panchayat, Sojitra.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
11	Sankheda	The Sankheda Municipal Electric Power House, Sankheda.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
12	Vadnagar	The Chief Officer, Electricity Department, Vadnagar Municipality, Vadnagar.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
13	Visnagar	The Chief Officer, Visnagar Municipality, Visnagar.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
		COMPANIES		
14	Ahmedabad	The Ahmedabad Electricity Co. Ltd., M/A M/s. Killick Industries Ltd., Electricity House, Lal Darwaja, Ahmedabad-1.	11,000	3 ph. A. C. 50 cy
			400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
15	Anand	The Anand Electric Supply Co. Ltd., M/s. Sonawala Co. Ltd., Sonawala Buildings, 459, Apollo Street, Fort, Bombay-1.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
16	Bardoli	Shree Sardar Kheti Sahayak Sahakari Vidyut Mandal Ltd., Bardoli (District Surat).	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
17	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	3 ph. A. C. 50 cy
			230	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.
COMPANIES—contd.				
18	Bilimora	The Bilimora Electric Power Supply Co. Ltd., Bilimora.	460 230	D.C. 3 Wire D.C. 2 Wire
19	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
20	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.	4,000 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
21	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
22	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
23	Dakor Umreth	The Dakor-Umreth Electricity Co. Ltd., Dakor.	440 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
24	Dohad	The Amalgamated Electricity Co. Ltd., (Dohad 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
25	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
26	Gandhidham	The Sindhu Resettlement Corporation Ltd., Power Supply Department, Adipur.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
27	Jetpur	The Jetpur Electric Supply Co. Ltd., Jetpur	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
28	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
29	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
30	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
31	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
32	Kholvad	The Kholvad Electric Supply Corporation, Kholvad (District Surat).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
33	Lunawada	Lunawada Electric Supply Cooperative Society Ltd., Lunawada.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
34	Nadiad	The Nadiad Electric Supply Co. Ltd., M/A M/s. Sonawala Co. Ltd., Sonawala Buildings, 59, Apollo Street, Bombay-1.	460 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
35	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

GUJARAT—concl'd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
COMPANIES—concl'd.				
36	Rander	The Rander Electric Supply Co. Ltd., M/A M/s. Sunderrao Moreshwar Co., Lal Baug, Rander, District Surat.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
37	Sanad	The Sanad Electric Supply Co. Private Ltd., M/A M/s. Ranchodlal Chandulal & Co., Station Road, Sanad.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
38	Sidhpur	The Sidhpur Electric Industrial Co. Ltd., Near Station, Sidhpur (District Mehsana).	440 220	D.C. 3 Wire D.C. 2 Wire
39	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
40	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
41	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
42	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
43	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
44	Viramgam	The Viramgam Electric Supply Co. Ltd., M/A M/s. Saifee & Co., Mandal Road, Viramgam.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
45	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
46	Wankaner	The Wankaner Electric Supply Co., M/A M/s. Survaiya & Co., Wankaner.	460 230	D.C. 3 Wire D.C. 2 Wire
JAMMU & KASHMIR				
1-1	Anantnag Division	The Chief Engineer, Electrical and Mechanical Department, Kashmir State, Srinagar.	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	3 ph. A. C. 50 cy
1-4	Baramulla Power Project Transmission Division.		230	1 ph. A. C. 50 cy
1-5	Chenani Construction Division, Jammu Bhaderwah.			
1-6	Jammu Electric Maintenance Division, Jammu.			

JAMMU & 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.	The Chief Engineer, Electrical and Mechanical Department, Kashmir State, Srinagar.		
	Mendhar			
	Poonch			
	Rajouri			
	Sarankote			
	Kathua Division			
1-8	Mohora Electrical Division			
1-9	Mohora			
1-10	Sindh Valley Division, Srinagar Ganderbal.			
1-11	Srinagar Division			
1-12	Udhampur Electric Maintenance Division.			
	Banihal			
	Ramban			
	Udhampur			
KERALA				
BOARD				
1-1	Kerala State Electricity Board.	The Chief, Engineer, Kerala State Electricity Board, P.O. Box No. 65, Trivandrum.	66,000 22,000 11,000 2,300 400	} 3 ph. A. C. 50 cy
	Kasargode		230	
	Neriamangalam			} 1 ph. A. C. 50 cy
	Pallivasal			
	Penniar			
	Poringalkuthu			
	Sengulam			
	Ulloor			
	Vellayambalam			
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
MUNICIPALITY				
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
COMPANIES				
3	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, Esplanade, 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
4	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
5	Kannan Dewan Hills	The Kannan Dewan Hills Produce Co. Ltd., Headquarters Office, Munnar.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
6	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.
		BOARD		
1-1	Bhilai Division, Bhilai Bhilai	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Raipur, Jabalpur.	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-2	Bhopal Division Bhopal Barcilly Begumganj		3,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-3	Bilaspur Division Dharamjaigarh Jasnagar Pendhara Road		400 230 440 220	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D. C. 3 Wire D. C. 2 Wire
1-4	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 11,000	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy
1-5	Chhindwara Division	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Raipur, Jabalpur.	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-6	Chirimiri Division		33,000 11,000	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy
1-7	Dhar Division Baranagar Barwani Dhar Khargone Maheshwar Sanawad Jhabua Sendhwa		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-8	Gwalior Division Bhind Gwalior Lashkar Sheopur		400 230 400 220	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D. C. 3 Wire D. C. 2 Wire
1-9	Guna Division Ashoknagar Basoda Chanderi Guna Kurwai Shivpuri Sironj Mangaoli		400 230 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D. C. 2 Wire

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.	
		BOARD—contd.			
1-10	(a) Indore Division Mhow	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No 34, Rampur, Jabalpur.	22,000	3 ph. A. C. 50 cy	
			11,000	3 ph. A. C. 50 cy	
	(b) Power House Division, Indore.		6,600	3 ph. A. C. 50 cy	
			400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
	Indore		460	D.C. 3 Wire	
			230	D.C. 2 Wire	
1-11	Itarsi Division Harsud			400	3 ph. A. C. 50 cy
	Itarsi			230	1 ph. A. C. 50 cy
	Panchmarhi				
	Burhanpur				
1-12	Jabalpur Division			11,000	3 ph. A. C. 50 cy
	Goteगाon			400	3 ph. A. C. 50 cy
	Kareli			230	1 ph. A. C. 50 cy
	Mandla			460	D.C. 3 Wire
	Shahdol			230	D.C. 2 Wire
1-13	Korba Division			11,000	3 ph. A. C. 50 cy
				300	3 ph. A. C. 50 cy
	Korba			400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
1-14	Power House Division		11,000	3 ph. A. C. 50 cy	
	Nepanagar		6,600	3 ph. A. C. 50 cy	
	Nepanagar (Chandni)		400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
1-15	Power House Division		132,000	3 ph. A. C. 50 cy	
	Amarkantak		11,000	3 ph. A. C. 50 cy	
	Amarkantak		3,300	3 ph. A. C. 50 cy	
			400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
1-16	Raipur Division		11,000	3 ph. A. C. 50 cy	
			400	3 ph. A. C. 50 cy	
	Jagdarpur		230	1 ph. A. C. 50 cy	
	Raipur		440	D.C. 3 Wire	
			220	D.C. 2 Wire	
1-17	Ratlam Division		11,000	3 ph. A. C. 50 cy	
			3,300	3 ph. A. C. 50 cy	
	Ratlam		400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
1-18	Sarni Division		400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
1-19	Satna Division				
	Mauganj		400	3 ph. A. C. 50 cy	
	Sidhi		230	1 ph. A. C. 50 cy	
	Satna		440	D.C. 3 Wire	
	Teonthar		220	D.C. 2 Wire	

MADHYA 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.	
BOARD—concl'd.					
1-20	Sagar Division Sagar Bina Chattarpur Tikamgarh	The Chief Engineer, Madhya Pradesh Electricity Board, P.O. Box No. 34, Rampur, Jabalpur.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
			220	D.C. 2 Wire	
1-21	Ujjain Division Shujalpur		11,000	3 ph. A. C. 50 cy	
			400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
COMPANIES					
2	Alirajpur	The Alirajpur Electric Supply Co., Alirajpur.	460	D.C. 3 Wire	
			230	D.C. 2 Wire	
3	Bhikangaon	The Proprietor, Mohan Talkies, Bhikangaon.	230	D.C. 2 Wire	
4	Chhindwara	The Chhindwara Electric Supply Co., Narsinghpur Road, Chhindwara.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
5	Dewas (Senior)	The Dewas (Senior) Electric Supply Co. Private Ltd., Dewas Senior.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
6	Harda	The Harda Electric Supply Co. Private Ltd., M/A M/s. Damanjee Eduljee Cassinath, 17-19, Baston Road, Fort, Bombay.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
7	Jubbulpur	The Jubbulpore Electric Supply Co. Ltd., M/A M/s. Martin Burn Co. Ltd., Calcutta-1.	3,300	3 ph. A. C. 50 cy	
			400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
8	Khilchipur	The Khilchipur Power House, Khilchipur.	230	D.C. 2 Wire	
9	Mandsaur	The Mandsaur Electric Supply Co., Mandsaur.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
10	Saugor	The Saugor Electric Supply Co., Ltd., M/A M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
11	Shore	The Shore Electric Supply Co. Private Ltd., Shore Cantt.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
MADRAS					
BOARD					
1-1	Chingleput Electricity System	The Chief Engineer, Electricity, Madras State Electricity Board, 157, Mount Road, Madras.	11,000	3 ph. A. C. 50 cy	
1-2	Madras Electricity System			11,000	3 ph. A. C. 50 cy
	Basin Bridge			6,000	3 ph. A. C. 50 cy
				400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
				450	D. C. 3 Wire
			250	D. C. 2 Wire	
1-3	Mettur Electricity System.		22,000	3 ph. A. C. 50 cy	
			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	

MADRAS—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.				
1-4	Madurai Electricity System.	The Chief Engineer, Electricity, Madras State Electricity Board, 157, Mount Road, Madras.	11,000	3 ph. A. C. 50 cy
			400	3 ph. A. C. 50 cy
			240	1 ph. A. C. 50 cy
1-5	Pykara Electricity System.		11,000	3 ph. A. C. 50 cy
			400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1-6	Periyar Hydro Electric System.		11,000	3 ph. A. C. 50 cy
1-7	Tirunelveli Electricity System.		11,000	3 ph. A. C. 50 cy
1-8	Tiruchirapalli Electricity System.		110,000	3 ph. A. C. 50 cy
			66,000	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
1-10	Neyveli Lignite Corporation Ltd.	Chairman Neyveli Lignite Corporation Ltd., South Arcot, Distt. Neyveli.		
MUNICIPALITIES				
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
5	Pollachi	The Commissioner, Pollachi Municipality, Pollachi.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
6	Thanjavur	The Commissioner, Thanjavur Municipality, Thanjavur.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
COMPANIES				
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

MADRAS—concl.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
COMPANIES—contd.				
9	Nagapatam	The Nagapatam Electric Supply Co. Ltd., M/A The India Co. (Private) Ltd., Oriental Buildings, Armenian Street, Madras-1.	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
10	Salem-Erode	The Salem Erode Electricity Distribution Co. Ltd., M/A M/s. Octavious Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1.	22,000 600 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
11	Shencottah	The Shencottah Electric Supply Agency, Shencottah.	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 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 11,000 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 1 ph. A. C. 50 cy
13	Tiruchirapalli	The South Madras Electric Supply Corporation, Post Box No. 67, Tiruchirapalli.	22,000 11,000 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 1 ph. A. C. 50 cy
14	Vellore	The Vellore Electric Corporation Ltd., M/A M/s. Chandric & Co. (Private) Ltd., 20, Second Line Beach, Madras-1.	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
MAHARASHTRA				
BOARD				
1-1	Akola (O & M) Division	The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1.	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 Dhanu Road Vaijpur		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 Dharangaon Dondaicha Pachora		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.
		BOARD—contd.		
1-6	Bhandera (O & M) Division	The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1.		
1-7	Karad (construction-cum O & M)			
1-8	Kolhapur (O & M) Division Gadhinglaj 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	Khandbara Power House		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-10	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
1-11	Khamgaon (O & M) Division			
1-12	Kalyan (O & M) Division Jawahar		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-13	Koyna Power Project		6,600	3 ph. A. C. 50 cy
1-14	Nanded (O & M) Division. Bhoom Deglur Kinwat Latur Manwath Nanded Parbhani Parlivajjnath Partur Udgir		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-15	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
1-16	Nasik (Construction-cum- O & M) Manmad Nasik Taloda			
1-17	Panvel (O & M) Division		22,000	3 ph. A. C. 50 cy
1-18	Paras Power House Division			
1-19	Poona (O & M) Division		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-20	Ratnagiri (construction- cum-O & M) Ratnagiri			

MAHARASHTRA—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A. C. or D. C. Phases, frequency etc.
BOARD—concl.				
1-21	Satara (O & M) Division Bhatgar	The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1.	2,000	3 ph. A. C. 50 cy
			400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
			230	D.C. 2 Wire
1-22	Sangli (O & M) Division			
1-23	Wardha (O & M) Division Aheri Yeola		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1-24	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
1-25	Chola Power House	The Chief Electrical Engineer, Central Railway Bombay V.T.	99,700	3 ph. A. C. 50 cy
MUNICIPALITIES				
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
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	Kothure	The Sarpanch, Kothure Gram Panchayat, Taluka Niphad.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
7	Nandgaon	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
8	Raver	The Electrical Engineer, Raver Municipal Power House, Raver.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
9	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
10	Savantwadi	The Electrical Engineer, Savantwadi Municipality, Savantwadi.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
11	Trimbak	The President, Trimbak Municipality, Trimbak, Distt. Nasik.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy

MAHARASHTRA—contd.

Serial No.	Area of Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
COMPANIES				
12	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
13	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
14	Akalkot	The Vijayasingha Electric Supply Co., Akalkot.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
15	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
16	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
17	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
18	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
19	Belapur Road & Kopergaon.	The Belapur Road & Kopergaon Electric Supply Co. Ltd., Shrirampur, District Ahmednagar.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
20	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
21	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
22	Bhor	Thopte Electric Supply Co. Private Ltd., (Bhor Branch), M/s. Thopte Pateland Co., Nana Bhavan, 1194/20 Ghole Road, Poona-4.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
23	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
24	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
25	Chalisingaon	The Amalgamated Electricity Co. Ltd., (Chalisingaon Branch), M/A M/s. N. V. 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
26	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
27	Dhond	The Dhond Electric Supply Co., Dhond.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
28	Ichalkaranji	The Ichalkaranji Electric Supply Co., Ichalkaranji (Distt. Satara).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
29	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

MAHARASHTRA—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.				
30	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
31	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
32	Karad	The Karad Electric Supply Co. Private Ltd., Karad.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
33	Kurundwad	The Kurundwad Electric Supply Co. Ltd., Kurundwad (Distt. Kolhapur).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
34	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
35	Karmala	The Karmala Electric Supply Co., Station Road, Pandharpur.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
36	Lonavala-Khandala	The Lonavala-Khandala Electric Supply Co. Ltd., Lonavala.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
37	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
38	Madhavnagar	The Madhavnagar Electric Supply Co. Ltd., Madhavnagar.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
39	Mahabaleshwar	The Mahabaleshwar Electric Supply Co. M/A M/s. Panchgani Electric Supply Co., Ltd., 96, Daneau Road, Byculla, Bombay.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
40	Mahad	The Mahad Electric Supply Co. Ltd., Mahad (Distt. Kolaba).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
41	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
42	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
43	Miraj	The Miraj Electric Supply Co. Ltd., Miraj (South Satara).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
44	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
45	Nandurbar	The Nandurbar Electric Supply Co. Ltd., M/s. K. S. Guzdar & Co. 'Alli Chambers, 4BC-Dean Lane, Fort, Bombay.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
46	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
47	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
48	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—concl'd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
COMPANIES—concl'd.				
49	Panchgani	The Panchgani Electric Supply Co., 96, Duncan Road, Byculla, Bombay.	460 230	D.C. 3 Wire D.C. 2 Wire
50	Pandharpur	The Pandharpur Electric Supply Co., Station Road, Pandharpur.	460 230	D.C. 3 Wire D.C. 2 Wire
51	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
52	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
53	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
54	Satara	The Satara Electric Supply Co. Private Ltd., 217, Partapganj Peth, Satara City.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
55	Shirpur	The Shirpur Electric Supply Co. Ltd., Shirpur (East Khandesh)	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
56	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
57	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
58	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
59	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
60	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
61	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
62	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—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.				
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, Distt. 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	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
12	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
14	Sirsi	The Kanara Electric Supply Ltd., Sirsi (North Kanara).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
NAGALAND				
	Nagaland	The Executive Engineer, Kohima Electrical Division, Kohima, (Nagaland).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1	Dimapur			
2	Kohima			
3	Mokokchung			
4	Mon			
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.
		BOARD		
1-1	Balasore Electrical Division Anandpur Bhadrak 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			
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, Baragarh			
1-6	Transmission Line Con- struction Division, Ber- hampur. Aska Baudh Phulabani Surada G. Udayagiri		11,000 4000 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 Bolangir Deogarh Khariar Road Padampur Titlagarh		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 Division 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.			

ORISSA—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.					
1-11	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	
1-12	Ganjam Electrical Division Berhampur Khalikote Surada				
1-13	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	
1-14	North Cuttack Electrical Division, Jajpur			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 Despalla Bhubaneswar Nayagarh			11,000 3 ph. A. C. 50 cy 2,300 3 ph. A. C. 50 cy 400 3 ph. A. C. 50 cy 230 1 ph. A. C. 50 cy	
1-18	Sundergarh Electrical Division			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	
PUNJAB BOARD					
1-1	Nangal Hydel Scheme (a) <i>Hydro Power Stations</i> Belling Nullah Bhakra Left Bank Ganguwal Kotla Nidampur (b) <i>Thermal Power Stations</i> Faridabad Nangal Surajpur Yamunanagar		The Chief Engineer, Punjab State Electricity Board, Patiala.		132,000 3 ph. A. C. 50 cy 33,000 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

PUNJAB—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.		
	(c) Diesel Power Stations			
	Abohar Bahadurgarh Chandigarh Dalhousie Faridabad Faridkot Fazilka Hoshiarpur Jullundur Kandaghat Kasauli Moga Panipat Rupar Sangrur Sonipat Yadvindra	The Chief Engineer, Punjab State Electricity Board, Patiala.		
1-2	Uhl River Scheme Shanan			11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
		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.	440 230	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. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
10	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.
1.	Ajmer Division Beawar Bijanagar Kekri Kishangarh	BOARD	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
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 Chitorgarh 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 Churu Nawalgarh Sikar			
1-5	Generation Division Jodhpur Joudhpur Old P.H. Jodhpur New P.H.			
1-6	District Division, Jodhpur Balotra Falna Jaisalmer Jalore Nagaur Phalodi Pali Pokran Sumerpur Sirohi Mokalsar		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 Rajgarh 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 Deogarh Jhalawar Kotah Nathdwara			

RAJASTHAN—contd.

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply		
			Voltage	A.C. or D.C. Phases, frequency etc.	
1-11	Ratangarh Division Deedwana Ladnun Ratangarh	} BOARD—contd. The Chief Engineer, Rajasthan State Electricity Board, Jaipur.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
1-12	Sriganganagar Division Hanumangarh				
1-13	Udaipur Division Banswara Dungarpur Ganganagar Kankroli Kushalgarh Sagwara Partapgarh			400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
1-14	Bhawani mandi			400	3 ph. A. C. 50 cy
1-15	Pilani			230	1 ph. A. C. 50 cy
1-16	Rajasmand			400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
MUNICIPALITIES					
2	Barmer		The Chairman, Municipal Board, Barmer.	400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
3	Baran		The Chairman, Municipal Board, Baran (Kota)	400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
4	Merta		The Chairman, Municipal Board, Merta City	400	3 ph. A. C. 50 cy
				230	1 ph. A. C. 50 cy
5	Nainwa	The Chairman, Municipal Board, Nainwa	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
6	Suratgarh	The Chairman, Municipal Board, Power House, Suratgarh.		(Power House closed)	
COMPANIES					
7	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	
8	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	
9	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	
10	Surajgarh	The Secretary, Jiwan Mandi Vyapar Samiti, Vishnunagar, Surajgarh.	400	3 ph. A. C. 50 cy	
			230	1 ph. A. C. 50 cy	
11	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—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.				
1·16	Hydel Division, Kanpur Banda Maurantpur Mohoba	The Chief Engineer (Hydel) Uttar, Pradesh State Electricity Board, Lucknow.	400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·17	Hydel Division, Kalagarh Kalagarh		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·18	Hydel Generation Division, Lohia-Head Bageshwar Khatima Lohia-Head Pithoragarh		400	3 ph. A.C. 50 cy
			230	1 ph. A.C. 50 cy
1·19	Hydel Division, Main- puri Mainpuri		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·20	Hydel Division, Meerut Bhola Meerut		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·21	Hydel Division, Moradabad Moradabad Pauri		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·22	Rihand Hydel Plant Division, Pipri Rihand		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·23	Hydel Division, Varanasi Bhadohi		400	3 ph. A. C. 50 cy
1·24	Hydel Division, Rampur Rampur		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
1·25	Hydel Division, Roorkee Chitaura Laksar Mohammedpur Nirgajni Pathri Saharanpur Salawa Tehri		400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
		440	D.C. 3 Wire	
		220	D.C. 2 Wire	
1·26	Hydel Division, Shahja- hanpur Shahjahanpur			
1·27	Hydel Division, Sitapur	400	3 ph. A. C. 50 cy	
		230	1 ph. A. C. 50 cy	
1·28	Allahabad Electric Supply undertaking, Allahabad	The Superintending Engineer, Lucknow, Allaha- bad Supply undertaking, Lucknow	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
			440	D. C. 3 Wire
1·29	Kanpur	The Kanpur Electricity Supply Administration, KESA House, P. B. No. 141, Kanpur.	6,600	3 ph. A. C. 50 cy
			400	3 ph. A. C. 50 cy
			230	1 ph. A. C. 50 cy
			450	D. C. 3 Wire
			225	D. C. 2 Wire

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.
MUNICIPALITIES				
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
7	Lalitpur	The Municipal Electric Supply Undertaking, Lalitpur.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
8	Mecrut	The Electrical Engineer, Municipal Board, Mecrut.	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, Mussoorie-Dehra Hydro Electric Undertaking, City Board, Mussoorie.	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
COMPANIES				
15	Aligarh	The Aligarh Electric Supply Co. Ltd., M/A M/s. Jain, & Co. (Private) Ltd., Udai Singh Jain Road, Mathura.	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	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
18	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

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—(Contd.)				
19	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
20	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
21	Etawah	The Western United Provinces Electric Power and Supply Co. Ltd., M/A M/s. Alopi Prasad and Sons Private Ltd., P. B. No. 1097, Kashmere Gate, Delhi-6.	11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
22	Farrukhabad	The Farrukhabad Electric Supply Co. Ltd., M/A M/s. Radh'shyam & Brothers, Fategarh.	3,300 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
23	Faizabad	The Faizabad Electric Licensee (1933) c/o The British Insulated Calenders Cables Ltd., 116, Station Road, Faizabad.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
24	Jaunpur	The Jaunpur Electric Licensees (1934) c/o The British Insulated Calenders Cables, Ltd., Jaunpur.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
25	Kosikalan	The Kosi Electric Supply Co., Kosikalan, District Mathura.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
26	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
27	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
28	Pilibhit	The Pilibhit Electric Supply Co. Private Ltd., M/A M/s. Manmohan Lal and Sons (Private) Ltd., Pilibhit.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
29	Rai Bareilly, Pratapgarh, Sultanpur, Bachrawan, Maharajganj, Salon & Jais.	The Commercial Officer, The Rohtak and Hissar District Electric Supply Co. Ltd., 5 Prayag Street, Allahabad-2.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
30	Sadabad	The Sadabad Electric Supply Co. c/o M/s. M. N. Bhargava & Brothers, Sadabad.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
31	Saharanpur	The Saharanpur Electric Supply Co. Ltd., Ramnagar (Pathanpura Street), P. B. No. 16, Saharanpur.	400 230 440 220	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D. C. 3 Wire D. C. 2 Wire
32	Shahajahanpur	The Shahajahanpur 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
33	Vrindaban	The General Engineering Co. Electricity Supplier, Vrindaban.	400 230	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.
		BOARD		
1.1	Barrackpore Division		11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.2	Calcutta Division		33,000 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
1.3	Burdwan Division		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.4	Dishergarh Packaged Plant Division, Dishergarh		6,600	3 ph. A. C. 50 cy
1.5	Farakkha Packaged Plant Division, Farakkha		6,600	3 ph. A. C. 50 cy
1.6	Gourepur		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
1.7	Howrah Division	The Chief Engineer, West Bengal State Electricity Board, New Secretariat Buildings, (7th Floor), 1, Hastings Street, Calcutta-1.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.8	Krishnagar Division Nimtila		11,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.9	Kharagpur Division Contai Digha		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.10	Malda Division, Malda		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.11	Siliguri Division Bajanbari Birpara Balurghat Changrabandha Cooch Behar Harishchandrapur Haldibari Kurseong Rajgunj Mal Mathabhanga Malda Old Malda Siliguri		400 230 440 220	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D.C. 3 Wire D.C. 2 Wire
1.12	Suri Division		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
1.13	Massanjore	The Assistant Engineer, Massanjore Hydel Power Station, P. O. Massanjore, Distr. Santhal Parganas.	33,000 11,000	3 ph. A. C. 50 cy 3 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.
MUNICIPALITIES				
2	Darjeeling	The Chairman, Darjeeling Municipality Electrical Department, Darjeeling.	6,600 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
COMPANIES				
3	Andul Mouri	The National Power Supply Corporation Ltd., (Andul Mouri Branch), 23-B, Allenby Road, Calcutta-20.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
4	Asansol	The Asansol Electric Supply Co L.d., 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
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.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
6	Bansheria	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. Private 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., Victoria 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 Burdwan.	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

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.
COMPANIES—cont'd.				
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 Build- ings, 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
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, Lalbazar Street, Calcutta-1.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
28	Vishnupur	The Vishnupur Electric Supply & Industrial Develop- ment Co. Ltd., 23-B, Allenby Road, Calcutta-20.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy

UNION TERRITORIES

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
GOVERNMENTS				
1	Andaman & Nicobar Islands, Port Blair	The Resident Engineer, Andaman and Nicobar Islands, Port Blair.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
2	Goa, Daman & Diu 1. Curti Ponda 2. Daman 3. Diu 4. Margao 5. Mapuca 6. Sanvordem	The Chief Electrical Engineer Govt. of Goa, Daman and Diu 'Durga Bhavan' Tonda-Caranzalem, P. O. Panjim.	3,300 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
3	Himachal Pradesh	The Chief Engineer, Multipurpose Projects and Power Himachal Pradesh Govt., Simla 4.		
3.1	1st Hydro Electric Division, Simla Chhaila Nogli Rampur Theog		400 230 400 230	D.C. 3 Wire D.C. 2 Wire 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
3.2	2nd Hydro Electric Division, Dalhousie Bharmour Chamba Micro Hydel Station Bharmour		400 230 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy D.C. 2 Wire
3.3	3rd Hydro Electric Division, Solan Solan		400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
3.4	4th Hydro Electric Division, Bilaspur			
3.5	5th Hydro Electric Division, Mandi			
3.6	6th Hydro Electric Division, Bilaspur			
4	Laccadive, Minicoy and Amindivi Islands Kavaratti Minicoy	The Executive Engineer, P.W.D. Union Territory of Laccadives, 4/326 Beach Road, Kozhikode-1.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
5	Manipur Imphal Moirang Thoubal	The Principal Engineer, Manipur Government, P.W.D., Imphal.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
6	Pondicherry Pondicherry	The Director of Electricity, Electricity Department, Pondicherry.	22,000 400 230	3 ph. A. C. 50 cy 3 ph. A. C. 50 cy 1 ph. A. C. 50 cy

UNION TERRITORIES—(Contd.)

Serial No.	Area or Town served/ System	Address of Undertaking	System of Supply	
			Voltage	A.C. or D.C. Phases, frequency etc.
		GOVERNMENT—Contd.		
7	Tripura Agartala Bogafa Dharmanagar Kailasaher Khowai Udaipur	The Executive Engineer, Govt. of Tripura, Electrical and Mechanical Division, Agartala (Tripura).	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
		MUNICIPALITIES		
8	Delhi Delhi Electric Supply Undertaking	The Chief Engineer, Delhi Electric Supply Undertaking, (Municipal Corporation of Delhi) Central Power House, Rajghat, P. O. Box No. 589, New Delhi.	11,000 6,600 400 230 500 250	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
9	New Delhi Municipal Committee	The Electric Engineer, Electricity Department, New Delhi Municipal Committee, New Delhi.	6,600 400 230 440 220	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	Goa, Daman & Diu Mormugoa	{ The President, Camara Municipal DE MORMUGOA, Scretaria, Vascode Gama		
		COMPANIES		
11	Goa, Daman & Diu Chowgule	Chowgule & Co. Ltd., Mechanical Ore Handling Division, Plant Office Berth No. VII, MORMUGOA HARBOUR (GOA).	3,300	3 ph. A. C. 50 cy
12	Pondicherry Karaikal	The Karaikal Electric Supply Co. Ltd., M/A M/s. A.S. Ahilandam, 13, West Boulevard Road, Tiruchirapalli-8.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy
13	Mahe	The Electrical Engineer, The West Coast Electric Supply Corporation Ltd., M/A M/s. Chandrie and Co. (Private) Ltd., P. B. No. 65, Calicut-1.	400 230	3 ph. A. C. 50 cy 1 ph. A. C. 50 cy

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(Figures in brackets refer to table numbers)

Accidents-Electrical	7(54)
Addition—Plant	
Boilers	7
Diesel	2.3
Hydro	2.3(6)
Steam & Gas Turbine	2.3(5)
Assets, according to ownership	8
Balance Sheet, Consolidated—	(56(d))
Boiler Capacity	2.8(18)
Capital Loan	9 (56(a))
Share	89(56 (a))
Capital Expenditure	8(55)
Consolidated	(56(a))
Connected load-Category-wise	4.3 (145)
State-wise	(46)
Consumers-Category-wise	4.3 (1,45)
State-wise	45
Financial Results for 1964-65 (Tentative)	12
Fuel consumption by—	
Diesel power stations	1,2.9, 2.3, (1,20,28)
Railway power stations	(53)
Steam power stations	1,2.8, 2.13 (1,28)
Generating Stations, number of AC&DC according to	2.11 (22)
Diesel	2.9 (20)
Hydro	2.10 (21)
Industrial	5 (50)
Jointly owned	2.14 (29)
Steam	2.8(18,19)
Generating sets	
AC & DC, according to	2.11 (23,27)
Diesel	2.11 (23,25,27)
Hydro	2.11 (23,26,27)
Steam	2.11 (23,24,27)
Generation—	
AC&DC according to	(22)
All India	1,2.2,2.6,2.7,3 (4,8,9,11,12,31,32,36)
Diesel power stations, in	2.6,2.7,2.9 (1,12,13,16,21)
Hydro power stations, in	2,6,2.7,2.10 (1,12,13,16,21)
Industries selected	(5,1,48,49,50)
Railway power stations	6, (1,53)
State-wise	4,13,39 (1) to 39 (17)
Steam power stations, in	2.6,2.7,2.8(1,12,13,14,18,19,28)
Ownership, according to	2.2,2.6 (4,8,9,11,12)

INDEX—Contd.

Index number of Electricity Supply- All India	(40)
Industries selected	
Energy consumed by	5 (48,49,52)
Energy purchased by	5 (48,49)
Energy generated by	5 (1,48,49,50)
Installed plant capacity of	5 (1,48,49,50,51)
Maximum demand	(48,49)
Installed Plant Capacity—	
AC&DC, according to	(22)
All India	1,2,2,2,6(1,4,8,11;12;13,30,38)
Diesel	2,6,2,7,2,9, (1,12,13,15,20,25,27,38)d:
Hydro	2,6,2,7,2,10,(1,12,13,16,21,26,27,38)
Industries of selected	5 (1,48,49,50,51)
Railway power stations	6 (1,53)
State-wise	(4,13,30,32,39(1) to 39 (17)) *
Steam	2,6,2,7,2,8, (1,12,13,14,19,24,27,28)
Ownership, according to	2,2,2,6,(4,8,11,12,27)
Inter-State Sale/Transfer of power	3(32)
Jointly owned power stations	2,14 (29)
Load factor	2.7
Losses, Energy in transformation, transmission, distribution and unaccounted for	
All India	3 (1,31)
State-wise	3, (32,39 (1) to 39 (17))
State Electricity Boards and Government Departments	3 (33)
Maximum Demand on Industrial Power Stations	(48,49)
Maximum Demand on Railway Power Stations	6 (53)
Maximum Demand on Utilities Power Stations—	
All India	2.6, 2.7 (1, 10, 38)
States according to	(13; 17)
Type of plant, according to	2.6, 2.7 (13)
Ownership, according to	(10, 17)
Per Capita Consumption—	
All India	3.2 (1,37)
State-wise	(37)
Plant additions, see under Additions	
Plant withdrawal	2.4
Power Stations Number of, see under Generating Stations	
Power Station Auxiliaries, Energy consumed by—	
All India	3 (1,31,32)
Boards power houses	3 (33)
State-wise	3, (32, 39(1) to 39(17))
Purchased, Energy-redistribution—	
All India	1, 3, (1, 31)
State Electricity Boards, by	3 (33)
State-wise	(32, 39(1) to 39 (17))

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Progress of Electricity Supply—	
All India	3.3 (39)
State-wise	3.3 39 (1) to 39 (17)
Revenue Categorywise	
Consolidated	10 (56 (b))
Consolidated net	56 (b)
Per kWh sold	56 (b)
Per kWh sold	11 (57)
Railway Power Stations—	
Fuel consumed by	(53)
Generation by	6 (1,53)
Installed plant capacity	6 (1,53)
Maximum demand on	6 (53)
Sales, Energy—	
All India	1,3, 3.1 (1,31,34,38)
Electricity Boards, by	3, 3.1, (33,36)
Inter-State Sale/Transfer	3 (32)
State-wise	3, 3.1, (30,32,35,39 (1) to 39 (17))
Thermal efficiency, of Steam Power Stations	2.8 (18,19)
Transformers	4.2 (43,44)
Transmission and Distribution Lines.	4.1 (1,41,42)
Towns and Villages electrified	
All India	4.4 (1,47)
State-wise	(47)
Undertakings	
Acquisition of	2 (2)
Changed over from own generation to purchase of bulk power	(3)
Generating	2, 2.5 (1,8,9,10,11)
Number of	2, (1,4,11)
Voltage of generation	2.12 (27)