



GOVERNMENT OF INDIA
MINISTRY OF IRRIGATION AND POWER
CENTRAL ELECTRICITY AUTHORITY

PUBLIC ELECTRICITY SUPPLY
ALL INDIA STATISTICS

1966-67

GENERAL REVIEW

Compiled by the Central Water & Power Commission (Power Wing)
for and on behalf of the Central Electricity Authority]

FOREWORD

The salient features of the progress and development of electricity supply industry in the Indian Union during the year 1966-67 have been summarised and presented in this publication. The presentation generally follows the same pattern as in the previous years except for the incorporation of the following additional information :—

- (i) A new table appearing as Table 6 gives the power consumption by station auxiliaries in hydro, steam, diesel and gas generating stations in each State/Union Territory;
- (ii) A new table appearing as Table 17 gives the number of undertakings under three distinct categories:
 - (a) generating and distributing;
 - (b) generating, purchasing and distributing; and
 - (c) purchasing and distributing,as at the end of the year. The undertakings have been further classified by the type of ownership.

2. Rearrangement of the various tables has been done so that data pertaining to energy production, maximum demand, etc. appear serially followed by those pertaining to sales segregation and other utilisation aspects.

3. The Central Electricity Authority is grateful to the various Governments of the States and Union Territories, State Electricity Boards and other electricity supply authorities—both in the public and private sectors—for the supply of essential data without which the compilation of this publication would not have been possible. The Central Electricity Authority regrets the delay in the publication which was mainly due to late receipt of data from a few undertakings. In a few cases where the data have not been received at all, the Authority had to resort to estimation of the figures.

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

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

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

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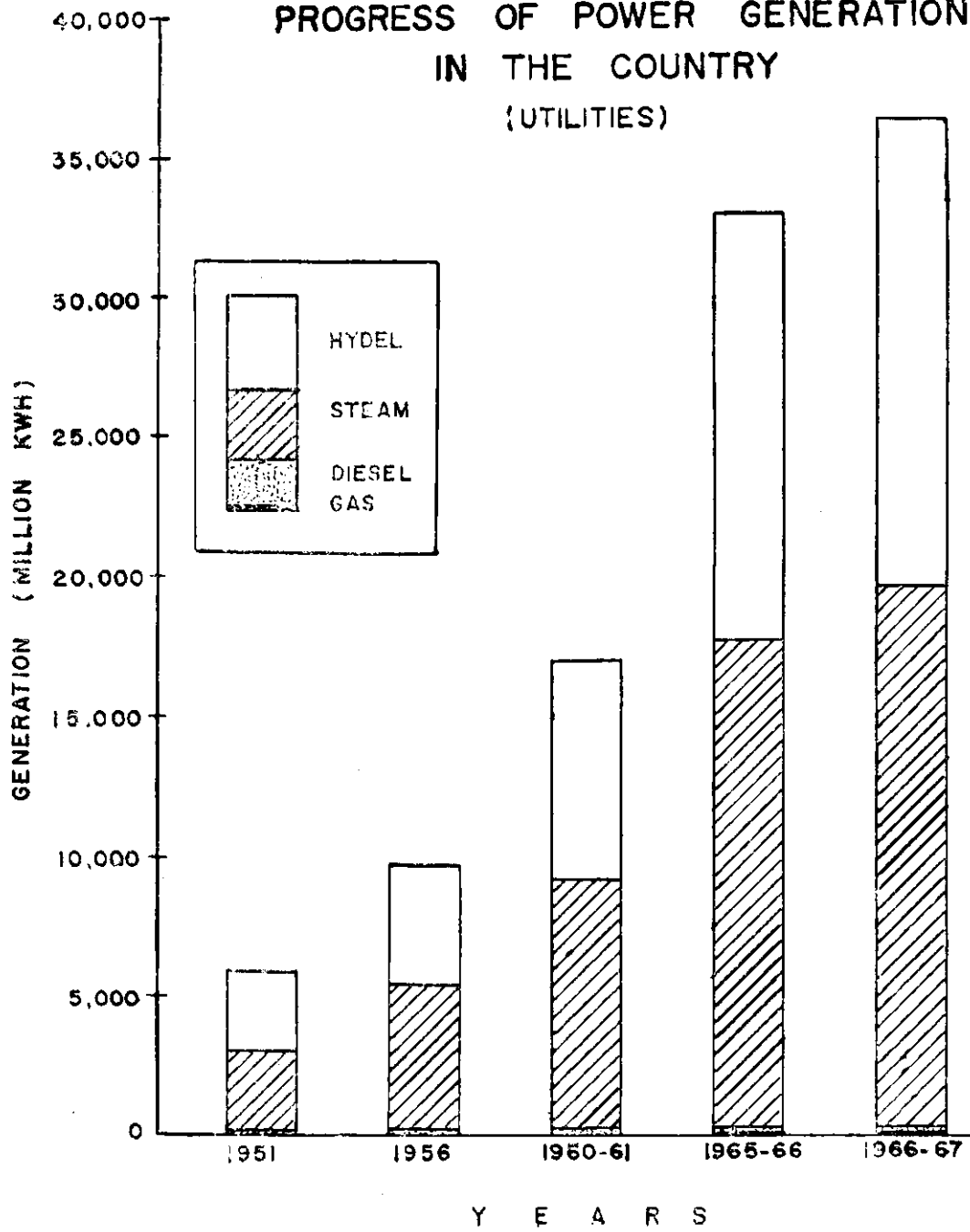
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(viii)

**PROGRESS OF POWER GENERATION
IN THE COUNTRY
(UTILITIES)**



PUBLIC ELECTRICITY SUPPLY—ALL INDIA STATISTICS 1966-67

GENERAL REVIEW

1. GENERAL POWER SUPPLY POSITION

The total installed plant capacity (name-plate rating) of the utility power stations as at the end of the year under review was 10,189,114 kW, including 136,000 kW of plant in the Chola Power Station of the Central Railway and 306,000 kW of plant in the Neyveli Power Station. The net addition to generating capacity was 1,162,095 kW, which represents an increase of 11.4 per cent of the installed plant capacity in the previous year. The total power generated by all the undertakings was approximately 36,376 million kWh and the quantum of power purchased from non-utilities was 55.52 million kWh. After meeting the power consumption in the station auxiliaries, and the losses in transformation, transmission and distribution and the energy unaccounted for, the net power sold was approximately 29,127.6 million kWh. The increase in the sales during the year was approximately 2,393 million kWh equivalent to an increase of 8.9 per cent over the net sales in the previous year.

The salient features of the Electric Power Supply Industry in India for the years 1951, 1956, 1960-61, 1965-66 and 1966-67 are summarised in Table 1.

2. POWER GENERATION

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

Table 2 gives the installed plant capacity (name-plate rating) and generation by types of plant and ownership. This table also gives further details of installed plant capacity and generation expressed as percentages of the All India Totals.

Table 3 gives the installed plant capacity (name-plate rating) and generation classified according to ownership of plant. It will be seen that 85.2 per cent of the installed plant capacity was in the public sector and this generated 84.3 per cent of the total power. Against an increase of 19.05 per cent in the installed plant capacity during 1966-67, the corresponding increase in generation was 17.65 per cent. In the private sector, the installed plant capacity and generation decreased by 1.13 per cent and 4.06 per cent respectively. This is summarised below :—

| | Public Sector | | Private Sector | | Total | |
|------------------------|----------------------|--------------|----------------------|--------------|----------------------|--------------|
| | Installed capacity % | Generation % | Installed capacity % | Generation % | Installed capacity % | Generation % |
| Steam | 36.8 | 40.4 | 11.7 | 12.7 | 48.5 | 53.1 |
| Gas Turbine | 1.3 | 0.2 | .. | .. | 1.3 | 0.2 |
| Diesel | 2.8 | 0.5 | 0.5 | 0.2 | 3.3 | 0.7 |
| Hydro | 44.2 | 43.1 | 2.7 | 2.9 | 46.9 | 46.0 |
| ALL-INDIA TOTAL | 85.1 | 84.2 | 14.9 | 15.8 | 100.0 | 100.0 |

2.2 Installed Generating Plant Capacity and Electricity Production

Table 4 gives the installed plant capacity (name-plate rating) and generation by public and private sectors. The total installed plant capacity and the corresponding generation in the public utility

undertakings were 10,189,114 kW and 36,375.6 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 | 7,587,426 | 26,066.885 |
| Power Corporation | 944,000 | 4,134.096 |
| Municipalities | 146,197 | 472.891 |
| Companies | 1,511,491 | 5,701.715 |
| TOTAL | 10,189,114 | 36,375.587 |

Tables 5 and 6 give further details of installed plant capacity, aggregate maximum demand and generation by type of plant arranged statewise. Tables 8, 9 and 10 give details of plant capacity and generation according to type of plant and ownership.

2.3 Jointly-Owned Projects

Table 11 summarises the share of the participating States in the jointly-owned power stations in India. This table gives the installed plant capacity, energy generated, energy used by station auxiliaries and the energy off-take by the participating States. 1,271,500 kW of plant capacity was under joint ownership. The net energy off-take from these projects was 4,371.647 million kWh.

2.4 Generating Maximum Demand and Load Factor

The aggregate generating maximum demand registered in public sector undertakings was 7,085,248 kW and that in the private sector undertakings was 1,206,323 kW. Table 12 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, data about which are not known.

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 (name plate rating) (kW) | Energy generated (Million kWh) | Aggregate maximum Demand (kW) | kWh generated per kW of plant capacity | % load factor based on cols. 3 & 4 | % plant demand factor (col. 4 ÷ 2) |
|------------------------|---|--------------------------------|-------------------------------|--|------------------------------------|------------------------------------|
| Steam | 4,941,485 | 19,295.44 | 4,029,979 | 3,905 | 54.6 | 81.5 |
| Gas Turbine | 134,000 | 80.46 | 42,900 | 600 | 21.4 | 32.0 |
| Diesel | 331,682 | 265.59 | 166,607 | 801 | 18.2 | 50.2 |
| Hydro | 4,781,947 | 16,734.10 | 4,052,085 | 3,499 | 47.1 | 84.7 |
| TOTAL | 10,189,114 | 36,375.59 | 8,291,571 | 3,570 | 50.1 | 81.4 |

2.5 Additions to Generating Capacity

During the year 1,207,666 kW of generating capacity was added, figure which excludes 15,034 kW of installed capacity which is due to difference in reporting and 60,605 kW of plant capacity was withdrawn, resulting in a net increase of 1,162,095 kW.

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

| | Steam (kW) | Diesel (kW) | Gas Turbine (kW) | Hydro (kW) | Total (kW) |
|--|---------------|----------------|------------------------|---------------|----------------|
| Andhra Pradesh | 120,000 | .. | .. | .. | 120,000 |
| Assam | N.A. | N.A. | N.A. | N.A. | N.A. |
| Bihar | 50,000 | 947 | .. | .. | 50,947 |
| Gujarat | .. | 120 (12922) | .. | .. | 120 (12922) |
| Jammu & Kashmir | .. | (10) | .. | (1140) | (1150) |
| Kerala | .. | .. | .. | 168,000 | 168,000 |
| Madhya Pradesh | 50,000 | .. | .. | 23,000 | 73,000 |
| Madras | .. | .. | .. | 80,000 | 80,000 |
| Maharashtra | .. | 2,071 | .. | 150,000 | 152,071 |
| Mysore | .. | 25 | .. | .. | 25 |
| Nagaland | .. | 513 | .. | .. | 513 |
| Orissa | .. | .. | .. | .. | .. |
| Punjab (erstwhile) | .. | .. | .. | 240,000 | 240,000 |
| Rajasthan | .. | 4,171 | .. | .. | 4,171 |
| Uttar Pradesh | .. | .. | .. | .. | .. |
| West Bengal | 162,500 | 260 | .. | .. | 162,760 |
| Damodar Valley Corporation | 140,000 | .. | .. | .. | 140,000 |
| <i>Union Territories</i> | | | | | |
| Delhi | 15,000 | .. | .. | .. | 15,000 |
| Rest | .. | 803 (362) | .. | 256 (600) | 1,059 (962) |
| Total : (I) Actual addition | 537,500 | 8,910 | .. | 661,256 | 1,207,666 |
| (II) (Correction due to wrong reporting) | .. | (13294) | .. | (1740) | (15034) |
| TOTAL (I + II) | 537,500 | 22,204 | .. | 662,996 | 1,222,700 |

(NOTE :—Figures given in brackets indicate the additions due to wrong reporting.)

The plant additions under Steam, Diesel, and Hydro as above constitute 44.0, 1.8 and 54.2% of the total installed plant capacity added.

For further details about Steam, Gas Turbine and Hydro plants added during the year, Tables 13 and 14 may be referred to. The boilers commissioned during 1966-67 are given in Table 15.

2.6 Plant Withdrawn

The plant withdrawn during the year was as follows :

| | |
|------------------------|-------------------------------------|
| Steam | 12,530 (kW) (600) |
| Diesel | 38,847 (kW) (3,834) |
| Gas Turbine | Nil |
| Hydro | 64 (kW) (4730) |
| TOTAL | 51,441 (kW) (9164) |

NOTE :—Figures in brackets represent deletion due to wrong reporting.

2.7 Authorised Undertakings

Twenty-four undertakings have been acquired by the State Electricity Boards. Details are given in Table 16. This includes three licensee undertakings in Rajasthan which were acquired earlier but have been reported this year. Two undertakings which were existing but not reported earlier have now been included. No new undertaking started functioning during the year under review. The Chola Power Station of Central Railway and Thermal Power Station of Neyveli Lignite Corporation Ltd. have been considered under public utilities. Durgapur Project which was being taken under 'Companies' in the previous years has now been included under State Electricity Departments.

The total number of undertakings engaged in the business of generation and supply of electric power as at the end of the year was 230. Out of these 25 undertakings were generating and distributing; 65 undertakings were generating, purchasing and distributing; and 140 undertakings were purchasing and distributing. The number of operating undertakings according to ownership may be seen below :

| Ownership | Generating and distributing | Generating purchasing and distributing | Purchasing and distributing | Total |
|--|-----------------------------|--|-----------------------------|------------|
| (i) Public Sector | | | | |
| (a) State Electricity Board/Electricity Deptt. | 8 | 15 | 2 | 25 |
| (b) Power Corporation | .. | 1 | .. | 1 |
| (c) Municipality | 2 | 14 | 28 | 44 |
| .. SUB-TOTAL | 10 | 30 | 30 | 70 |
| (ii) Private Sector | | | | |
| Company | 15 | 35 | 110 | 160 |
| TOTAL | 25 | 65 | 140 | 230 |

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

A large number of company-owned undertakings were operating in Maharashtra (40), Gujarat (27), West Bengal (24) and Uttar Pradesh (18). In other States, their number was 10 or less, each. In Andhra Pradesh, Jammu & Kashmir, Nagaland, Orissa and Union Territories (except Goa, Daman and Diu and Pondicherry) there were no private undertakings.

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

Table 18 gives the number of undertakings owning generating stations grouped according to the range of installed plant capacity. The aggregate plant capacity and generation under each group are also given.

Tables 19 and 20 give the distribution of generating undertakings according to their aggregate generation and maximum demand respectively, for State Electricity Boards/State Governments and Power Corporation. Sixteen Boards/Power Corporation, whose generation exceeded 50 million kWh each accounted for 83 per cent of the total power generated by utilities in India. Sixteen Boards/Power Corporation, each having an aggregate demand, above 10,000 kW accounted for 84 per cent of the total all-India demand for power on utility power houses.

2.9 Classification of Power Stations

2.9.1 *Steam Power Stations.*—Table 21 gives the classification of steam power stations according to the range of installed plant capacity. This table also gives the steam raising capacity of boilers and the average plant load factor for each range of plant capacity. There were 55 stations, whose capacities exceeded 10,000 kW each. Among these stations, 23 stations exceeded 50,000 capacity each, 34 stations had capacities ranging upto 10,000 kW and out of these, only four stations had capacities upto 1,000 kW.

The 55 stations whose individual capacities exceeded 10,000 kW generated 98% of the total power produced by the steam power stations. Among these stations only 23 whose individual capacity exceeded 50,000 kW generated 84% of the total power produced by all steam power stations.

Table 21 also gives the aggregate steam raising capacity of boilers which was 21,724 tonnes per hour which corresponded to 4.4 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 :

| | 1965-66 | 1966-67 | % increase over 1965-66 |
|--|------------|------------|-------------------------|
| No. of stations | 88 | 89 | |
| Aggregate installed capacity (kW) | 4,417,115 | 4,941,485 | 11.9 |
| Total energy generated (Million kWh) | 17,372,181 | 19,295,444 | 11.1 |
| Capacity of boilers (tonnes per hour) | 19,338 | 21,724 | 12.3 |
| Average capacity of boiler per kW of generating plant capacity (kg per hour) | 4.4 | 4.4 | .. |
| Fuel consumed—coal, lignite, wood (Tonnes) | 12,471,946 | 13,031,496 | 4.5 |
| Furnace oil (kilo litres) | 422,848 | 626,234 | 48.1 |
| Overall thermal efficiency (Percentage) | 22.6 | 23.2 | 2.7 |
| Average plant load factor (percentage) | 44.9 | 44.6 | —0.7 |

2.9.2 *Efficiency of Thermal Stations.*—The average overall efficiency of all the Steam Power Stations was 23·2 per cent as compared with 22·6% for the year 1965-66. For details, Table 21 may be seen wherein the overall efficiency of thermal stations is given according to capacity groupings of power stations. In the case of stations of capacity above 100,000 kW each, the average overall efficiency was 26·12%.

Table 22 shows the distribution of steam power stations according to their average overall efficiency. 22 power stations with aggregate installed capacity of 72·0% of the total steam plant installed, were working with efficiencies from 20% and above and generated 75·7% of the energy. 8 stations worked at efficiencies between 25% to 30% and only 7 stations, above 30% efficiency.

The maximum steam pressure and temperature adopted in the steam power stations was 179·3 kg. per sq. cm. and 571°C respectively.

2.9.3 *Gas Turbine & Diesel Power Stations.*—Table 23 gives the classification of Gas Turbine and Diesel Power Stations according to the range of installed plant capacity. There was no change in the number of the gas turbine power stations. The performance of the gas turbine power station during the year is given below :

| | |
|--|---------|
| Number of generating stations | 1966-67 |
| | 6 |
| Aggregate installed capacity (kW) | 134,000 |
| Total energy generated (Million kWh) | 80·460 |
| Diesel oil consumed by gas turbines using diesel oil (kilo-litres) | 19,721 |

Table 23 also shows that out of 413 diesel stations in operation, only 92 stations had capacities in excess of 1,000 kW each, and accounted for 71·4% of the total diesel plant capacity and 69·6% of the total diesel generation.

The diesel power stations consumed 97,273 kilo-litres of fuel. The all-India average fuel consumption was 0·37 litre per kWh generated.

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

| | 1965-66 | 1966-67 | % Increase over 1965-66 |
|---|---------|---------|-------------------------|
| Aggregate installed capacity (kW) | 352,159 | 331,682 | (—)5·8 |
| Total energy generated (Million kWh) | 323·678 | 265·585 | (—)17·9 |
| Fuel consumed (kilo-litres) | 115,200 | 97,273 | (—)15·6 |
| Average fuel consumption per kWh generated (litres) | 0·36 | 0·37 | 2·8 |
| Average plant load factor (%) | 10·5 | 9·1 | (—)13·3 |

2.9.4 *Hydro Power Stations.*—Table 24 gives the classification of hydro stations according to the range of installed capacity.

Among 97 hydro stations 51 stations had capacities exceeding 10,000 kW each and accounted for 98·5 of total installed hydro plant capacity. These stations generated 98·3% of the total power produced by all the hydro power stations in India.

The position for hydro stations is summarised below :

| | 1965-66 | 1966-67 | % increase over 1965-66 |
|--|------------|------------|-------------------------|
| Number of hydro stations | 88 | 97 | .. |
| Aggregate plant capacity (kW) | 4,123,745 | 4,781,947 | 16.0 |
| Total energy generated (Million KWh) | 15,224.971 | 16,734.098 | 9.9 |
| Average plant load factor (%) | 42.2 | 39.9 | (-)-5.5 |

2.10 Installed Power Plant According to AC and DC Generation

Out of 605 power stations under review 589 stations generated alternating current, 4 both alternating and direct current and the remaining 12 generated only direct current. Table 25 shows the corresponding plant capacity and generation.

Table 26 gives the number of generating sets by type of prime mover and ownership. This table also indicates AC and DC generating sets with their capacity.

Tables 27, 28 and 29 give the 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 :

| Sector & installed capacity | A.C. Plant | | | | D.C. Plant | | | Total |
|-----------------------------------|------------|-------------|---------|-----------|------------|--------|-------|------------|
| | Steam | Gas turbine | Diesel | Hydro | Steam | Diesel | Hydro | |
| Public Sector— | | | | | | | | |
| Number of sets | 252 | 9 | 1,322 | 283 | .. | 30 | .. | 1,896 |
| Installed capacity (kW) | 3,755,715 | 134,000 | 279,081 | 4,504,437 | .. | 4,390 | .. | 8,677,623 |
| Private Sector— | | | | | | | | |
| Number of sets | 96 | .. | 147 | 24 | 3 | 36 | .. | 306 |
| Installed capacity (kW) | 1,185,500 | .. | 43,173 | 277,510 | 270 | 5,038 | .. | 1,511,491 |
| Total number | 348 | 9 | 1,469 | 307 | 3 | 66 | .. | 2,202 |
| Total capacity (kW) | 4,941,215 | 134,000 | 322,254 | 4,781,947 | 270 | 9,428 | .. | 10,189,114 |

2.11 Voltage of Generation

Generation voltage in India ranged from 230 volts to 33,000 volts in the case of A.C. generating sets, while for the D.C. generating sets it ranged from 110 volts to 500 volts. A very popular voltage for A.C. generation is 11 kV except in case of Diesel generating sets. Classification of generating sets according to the voltage of generation is given in Table 30.

2.12 Fuel Consumption

The fuel consumed in the thermal power stations in the various States in the year 1966-67 are given in Table 31. The steam power stations consumed 11,233,081 tonnes of coal, 1,781,360 tonnes of lignite, 17,055 tonnes of wood and 626,234 kilolitres of furnace oil. The gas turbine consuming diesel oil and the diesel stations consumed 116,994 kilolitres of diesel oil for power generation. The average heat in-put per kWh generated in the steam plants (including reciprocating steam plants) was 3,742 kilocalories and the average diesel oil consumption by the gas turbine and diesel power stations was 0.39 litre per kWh.

3. ENERGY UTILISATION

Table 32 gives the summary of energy generated and power purchased from non-utilities, power sold to ultimate consumers, and the amount of power lost in transformation, transmission and distribution including unaccounted consumption 4.9% of the total energy generated and purchased was utilised by the power station auxiliaries. 80% of the net energy was sold to ultimate consumers. Thus the losses from all sources were 15.1% of the total available energy.

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

The inter-State sale/transfer of power from undertakings in one State to those in the other was 4,479 million kWh and represents 15.4% of the total sales in India. For comparison, the inter-State sale/transfer of power from 1960-61 onwards is given below :

| Year | (Million kWh) | | |
|-------------------|---------------|------------------|---------------|
| | Total sales | Inter-State sale | As % of total |
| 1960-61 | 13,953 | 921 | 6.6 |
| 1961-62 | 16,448 | 781 | 4.7 |
| 1962-63 | 18,679 | 3,284 | 17.6 |
| 1963-64 | 21,794 | 3,273 | 15.0 |
| 1964-65 | 24,219 | 3,446 | 14.2 |
| 1965-66 | 26,770 | 3,751 | 14.0 |
| 1966-67 | 29,128 | 4,479 | 15.4 |

The utility electricity supply undertakings also purchased 55.517 MkWh from the non-utility undertakings. This table also gives statewise energy consumed by the power station auxiliaries, losses in transformation, transmission and distribution system and unaccounted consumption.

Table 34 gives details of energy generated purchased and utilised by State Electricity Boards 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. Deptts./ Power Corporation | All India (All Sectors) |
| 1. Total energy generated (in Utilities) | 30,642.799 | 36,375.587 |
| 2. Energy purchased from : | | |
| (a) Non-electric utilities | 55.517 | 55.517 |
| (b) By Public Sector Utilities from Private Sector Utilities | 611.497 | .. |
| Total power from all sources (1+2) | 31,309.813 | 36,431.104 |
| 3. Energy used by power station auxiliaries | 1,482.878 | 1,792.618 |
| 4. Energy sent out | 29,826.935 | 34,638.486 |
| 5. Energy sold | 25,215.537 | 29,127.636 |
| 6. Energy lost in transformation transmission, distribution and unaccounted for | 4,611.398 | 5,510.850 |
| 7. Loss as percentage of energy sent out | 15.5 | 15.9 |

3.1 Energy Sales

Table 35 gives the sales to ultimate consumers who are classified under seven broad categories. 9.0% of the total power was sold for Domestic light and small power, 6.2% for Commercial lighting, heating, and small power, 70.0% for Industrial Power, 1.1% for Public lighting, 4.1% for Railways and Tramways, 7.2% for Irrigation and Dewatering and 2.4% 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 11.5%, 10.3% and 8.0% respectively.

Power consumed by Railways and Tramways and Irrigation and dewatering service increased by 11.6% and 11.3% respectively and that in Public Water Works and Sewage Pumping by 11.3%. The net average increase in power sales to all classes of consumers was 8.9% over that in the previous year.

Table 36 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 and medium 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 37.

3.2 Electricity Consumption—Per Capita

The average per capita consumption of electricity for the Indian Union was 66.17 kWh in 1966-67 as compared to 61.33 kWh for the year 1965-66. The per capita consumption thus increased by 7.9% over that in the previous year.

Table 38 gives the annual per capita consumption of electricity in public utilities under five classes of utilisation in the different States based on the estimated mid-financial year population figures, i.e., for 30th September, 1966, the mid-point of 1966-67. 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) | |
| 1966-67 | 58.04 | 8.13 | 66.17 |
| 1965-66 | 53.66 | 7.67 | 61.33 |
| 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 |

The Union Territory of Delhi showed the highest overall per capita consumption of electricity of 227.9 kWh.

3.3 Per Capita Installed Capacity

Table 39 gives the installed capacity (name-plate rating) per sq. kilometre and per thousand of population for each of the State in India.

During the period under review, the All India aggregate installed plant capacity (name-plate rating) was 3.12 kW/sq. kilometre and 20.3 kW per thousand of population against 2.83 and 18.12 respectively in the previous year. For this purpose, the estimated population figures worked out by the Census Authorities have been used.

3.4 Progress of Electricity Supply Industry

Table 40 gives the All India progress of electricity with details of installed plant capacity, maximum demand, kilowatt-hours generated per kW of capacity etc. from the year 1939 onwards.

Tables 41(1) to 41(18) give the installed capacity (name-plate rating) generation, purchase and sale of power etc. for each State separately for the year 1951, 1956, 1960-61, 1964-65 and 1965-66.

The All India index numbers (taking 1951 as the base year) for some of the salient features of the electricity supply industry like installed plant capacity, generation and sales etc. are given in Table 42.

4. TRANSMISSION AND DISTRIBUTION

4.1 Transmission and Distribution Lines

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

(Circuit kilometres)

| Voltage | 1965-66 | | 1966-67 | | % Increase |
|----------------------|-----------|-------|---------|-------|------------|
| | O.H. | U.G. | O.H. | U.G. | |
| 22 kV | 17,998.4 | 396.5 | 21,039 | 447 | 16.8 |
| 33 kV | 36,230.5 | 541.3 | 67,821 | 577 | 86.0 |
| 44/37.5 kV | 3,875.6 | .. | 3,348 | .. | (-)-13.6 |
| 78/66 kV | 17,314.9 | .. | 19,376 | .. | 11.9 |
| 110/90 kV | 9,202.3 | .. | 10,186 | .. | (-)-10.7 |
| 132 kV | 15,516.1 | .. | 17,578 | .. | 13.3 |
| 220/230 kV | 3,772.1 | .. | 4,562 | .. | 20.9 |
| TOTAL | 103,909.9 | 937.8 | 143,910 | 1,024 | 38.2 |

O.H. — Overhead line.

U.G. — Underground cable.

The length of the lines in different States is given in Table 42. The total length of transmission and distribution lines added during the year was 117,203 circuit kilometres.

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

4.2 Transformers

The number of transformers installed was 113,271 in the public electricity supply undertakings at the end of the year. Their aggregate capacity was 40,163,891 kVA as classified below :

| | Number | Aggregate capacity (kVA) |
|-------------------------------------|---------|--------------------------|
| Step-up transformers | 972 | 11,359,161 |
| Step-down transformers | 3,941 | 19,163,947 |
| Distribution transformers | 108,358 | 9,640,783 |
| TOTAL | 113,271 | 40,163,891 |

All step-down transformers having a secondary voltage above 550 volts have been classified as step-down transformers and those having secondary voltage below 550 volts have been classified as distribution transformers. Further details are given in Table 45. Some of the large power transformers commissioned during the year are indicated in Table 46.

4.3 Consumer and Connected Load Data

The particulars relating to the consumers and their connected loads, presented in Tables 47 and 48, are summarised below :

| | Number of consumers | | | Total connected load (kW) |
|---|---------------------|----------------|------------------|---------------------------|
| | A.C. | D.C. | Total | |
| Domestic light and small power | 6,746,046 | 336,191 | 7,082,237 | 4,330,725 |
| Commercial light and small power | 1,567,900 | 34,002 | 1,601,902 | 1,169,017 |
| Industrial power | 348,847 | 14,952 | 363,799 | 7,189,379 |
| Public lighting | 48,442 | 67 | 48,509 | 128,797 |
| Railways and tramways | 40 | 1 | 41 | 160,541 |
| Irrigation and dewatering | 619,063 | 4 | 619,067 | 2,501,222 |
| Public water works and sewage pumping | 6,372 | 24 | 6,396 | 194,180 |
| TOTAL | 9,336,710 | 385,241 | 9,721,951 | 15,673,861 |

The number of consumers at the beginning of the year was approximately 8,678,651. During the year approximately 1,043,300 new consumers were connected thus recording a rise of 12.02% in their number.

4.4 Towns and Villages Electrified

Table 49 shows the Statewise distribution of towns and villages electrified. The total number of towns and villages electrified as on 31-3-1967 was 2629 and 54092 respectively as per 1961 Census.

5. POWER GENERATED AND USED IN SELECTED INDUSTRIES

Statistical data from 949 industrial establishments were received and have been analysed. These establishments consumed 14,887 million kWh of energy. Out of this 11,821 million kWh were purchased from public electric utilities and 4,048 million kWh were generated in the power plants owned by 383 industrial establishments.

The generating plant capacity of the self-generating industries increased by 12.7%, as per data received.

The industrywise and Statewise data of generating plant capacity, maximum demand, energy generation and purchase relating to selected industries are given in Tables 50 and 51 respectively. Data of, naturally, 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 1,219,890 kW. This capacity was about 10.7% of the total installed plant capacity in the power stations owned by both the public utilities and industrial undertakings including the Indian Railways.

The cotton textiles, aluminium (Primary), iron and steel (Primary), fertilizers, cement (Primary) and jute industries were large purchasers of power from electricity supply undertakings. Sugar, Oil and Petroleum, Iron and Steel (Primary), Paper, Silk, Cement (Primary), Collieries, and Copper (Primary), industries generated a large portion of their requirements in their own power stations.

The distribution of generating plant capacity in industrial establishments according to range of installed plant capacity is given in Table 52. Twenty-four undertakings with plant capacity of 10,001 kW and above produced 72.4% of the total power generated in the industrial power stations. 149 industries with plant capacity in the range of 1,001 to 10,000 kW generated 24.4 per cent of the total power and the remaining 210 industries generated only 3.2% of the total electricity production by all the industries.

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

| Name of Industry | Energy consumption (Million kWh) | Load Factor % |
|---------------------------|----------------------------------|---------------|
| (1) | (2) | (3) |
| 1. Aluminium (Primary) | 1,787.5 | 78.7 |
| 2. Cement (Primary) | 991.6 | 60.9 |
| 3. Collieries | 567.2 | 49.4 |
| 4. Cotton Textiles | 2,852.0 | 53.0 |
| 5. Engineering | 323.4 | 39.5 |
| 6. Iron & Steel (Primary) | 2,514.3 | 47.9 |
| 7. Fertilizers | 1,902.3 | 77.0 |
| 8. Oil & Petroleum | 168.4 | 48.7 |
| 9. Paper | 847.3 | 64.6 |
| 10. Sugar | 302.0 | 27.3 |

6. RAILWAYS

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

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

| | |
|--|--------|
| Aggregate installed plant capacity (kW) | 64,028 |
| Aggregate Maximum Demand (kW) | 32,637 |
| Generation (Million kWh) | 88.4 |
| Consumption in power station auxiliaries (Million kWh) | 5.3 |

The steam power stations of the Railways generated 61.7 million kWh and the diesel stations 26.7 million kWh.

7. ELECTRICAL ACCIDENTS

Table 57 gives a consolidated summary of the frequency of accidents in the various sections of the electricity supply undertakings as compared to the industrial undertakings. The facts are summarised below :

| Section | Number of Fatal Accidents | |
|--------------|---------------------------------|-------------------------|
| | Electricity Supply Undertakings | Industrial Undertakings |
| Generation | 54 | 3 |
| Transmission | 214(13*) | 13 |
| Distribution | 633(145*) | 53 |
| TOTAL | 901(158*) | 69 |

*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 systems are 14.4 times to those in generation premises in respect of electricity supply undertakings. They are 17.7 times compared to those in industrial undertakings.

8. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS 1965-66

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. 164,665 lakhs as against Rs. 127,100 lakhs at the end of 1964-65 (Tables 58) covering 8,513,447 kW of installed plant capacity and a sale of 26,721 M kWh. This takes into account the data received from 236 out of 251 undertakings owned and operated by the State Electricity Boards, Government Departments, Power Corporations, Municipalities and Private licensees. Of the remaining 15 undertakings, 7 companies, 5 municipality-owned undertakings, Electricity Departments of the Jammu & Kashmir, Mysore, Nagaland, Orissa and Laccadive and Minicoy Islands cover only 5.69% of the total installed capacity. In case of some Union Territories, where 1965-66 figures were not available, older figures, as available, have been repeated in working out the tables. The break-up of the assets according to ownership is given below :

| | 1964-65 (Rs. lakhs) | 1965-66 (Rs. lakhs) |
|--------------------------|------------------------|------------------------|
| 1. Government and Boards | 101,751* | 136,381* |
| 2. Municipalities | 6,535 | 6,995 |
| 3. Private Companies | 18,814 | 21,259 |
| TOTAL | 127,100 | 164,635 |

*Including works-in-progress of Maharashtra and Uttar Pradesh Boards.

9. FINANCING

Under the existing provisions of the Electricity (Supply) Act, 1948, the assets of the State Electricity Boards are made up of the borrowings from the public as well as the State Governments. The private licensees' assets are financed from the share capital as well as debentures and secured loans raised from the public.

The capital account of the Private Companies for the year 1965-66 indicates that the equity and preference share capital as at the end of the year 1965-66 was Rs. 3,711 lakhs and Rs. 650 lakhs as against Rs. 3,791 lakhs and Rs. 644 lakhs respectively at the end of 1964-65 [Table 59(a)]. This decrease is due to the acquisition of some of the companies by the State Electricity Boards. The secured loan capital increased from Rs. 2,398 lakhs in 1964-65 to Rs. 3,024 lakhs in 1965-66 [Table 59(a)].

10. REVENUE

10.1 Revenue—Category-wise

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 :

Sale of Electricity

| | 1964-65 (Rs. lakhs) | 1965-66 (Rs. lakhs) |
|--|------------------------|------------------------|
| (i) Domestic & Residential | 4,957 | 5,422 |
| (ii) Commercial | 2,373 | 2,869 |
| (iii) Industrial | 10,081 | 11,932 |
| (iv) Public Water Works and Sewage Pumping | 412 | 467 |
| (v) Traction | 420 | 549 |
| (vi) Public Lighting Maintenance | 548 | 593 |
| (vii) Irrigation | 1,414 | 1,985 |
| (viii) Other Revenue | 7,627 | 8,812 |
| TOTAL | 27,832 | 32,629 |

10.2 Revenue and Operating Expenses (Ownershipwise)

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

| | 1964-65 | | 1965-66 | |
|---|---------------|--------------|---------------|--------------|
| | (Rs. lakhs) | % | (Rs. lakhs) | % |
| A. Revenue— | | | | |
| 1. Government/State Electricity Boards/Power Corporations | 17,609 | 63.3 | 21,939 | 67.24 |
| 2. Municipalities | 2,216 | 8.0 | 2,410 | 7.39 |
| 3. Companies | 8,007 | 28.7 | 8,280 | 25.37 |
| TOTAL | 27,832 | 100.0 | 32,629 | 100.0 |

| | | 1964-65 | 1965-66 |
|--|---|--------------------------|--------------------------|
| | | (Rs. lakhs) | (Rs. lakhs) |
| B. Operating Expenses— | | | |
| 1. Government/State Electricity Boards/ Power Corporations. | { (i) Expenses (ii) Depreciation (iii) Interest charges | 10,261 2,345 5,006 | 13,551 2,801 6,247 |
| | TOTAL | 17,612 | 22,599 |
| 2. Municipalities | { (i) Expenses (ii) Depreciation (iii) Interest charges | 1,600 118 102 | 1,794 136 105 |
| | TOTAL | 1,820 | 2,035 |
| 3. Companies | { (i) Expenses (ii) Depreciation (iii) Interest charges | 5,616 534 280 | 6,061 598 338 |
| | TOTAL | 6,430 | 6,997 |
| | TOTAL (1+2+3) | 25,862 | 31,631 |

11. REVENUE FOR kWh SOLD UNDER EACH CATEGORY

The average overall revenue by sale of electricity (excluding other revenue) for the year 1965-66 was 8.91 paise per unit. Table 60 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, MUNICIPALITIES, COMPANIES ETC. DURING 1966-67

A few broad particulars of the tentative financial results of operation of the State Electricity Boards, Municipalities, Companies etc. for the year 1966-67 are detailed below:

| (Rs. in lakhs) | | | | |
|---|---|---------------------|----------------------|---------|
| | State Electricity Boards/ Depart- ments/ Power Corpora- tion | Munici- palities | Private Companies | Total |
| 1. Total fixed assets | 163,002 | 7,534 | 22,409 | 192,945 |
| 2. Gross revenue | 26,928 | 2,888 | 9,295 | 39,111 |
| 3. Total operating expenses including depreciation and interest charges | 27,341 | 2,439 | 7,823 | 37,603 |
| 4. Surplus/deficit | (—)413 | 449 | 1,472 | 1,508 |

TABLE 1— SALIENT FEATURES OF THE ELECTRICITY SUPPLY INDUSTRY

| Year | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|------------------|-------------------|-------------------|-------------------|-------------------|
| 1. GENERATING CAPACITY (kW)— | | | | | |
| (a) Utilities— | | | | | |
| Steam plant | 1,097,567 | 1,596,412 | 2,436,255 | 4,417,115 | 4,941,485 |
| Gas turbine plant | | | | 134,000 | 134,000 |
| Diesel plant | 162,680 | 228,288 | 300,135 | 352,159 | 331,682 |
| Hydro plant | 575,179 | 1,061,441 | 1,916,661 | 4,123,745 | 4,781,947 |
| TOTAL | 1,835,426 | 2,886,141 | 4,653,051 | 9,027,019 | 1,0189,114 |
| (b) Non-Utilities— | | | | | |
| (i) Self-generating industry | 627,977 | 759,650 | 1,001,372 | 1,082,358 | 1,219,890 |
| (ii) Railways | | | | 63,644 | 64,028 |
| TOTAL | 627,977 | 759,650 | 1,001,372 | 1,146,002 | 1,283,918 |
| ALL INDIA GRAND TOTAL | 2,463,403 | 3,645,791 | 5,654,423 | 10,173,021 | 11,473,032 |
| 2. OUT-PUT (MILLION kWh)— | | | | | |
| (a) Utilities— | | | | | |
| Steam plant | 2,779·059 | 5,133·900 | 8,732·409 | 17,372·181 | 19,295·444 |
| Gas turbine plant | | | | 69·295 | 80·460 |
| Diesel plant | 219·646 | 233·356 | 368·022 | 323·678 | 265·585 |
| Hydro plant | 2,859·698 | 4,294·877 | 7,836·581 | 15,224·971 | 167,34·098 |
| TOTAL | 5,858·403 | 9,662·133 | 16,937·012 | 32,990·125 | 36,375·587 |
| (b) Non-Utilities— | | | | | |
| (i) Self-generating industry | 1,655·568 | 2,209·509 | 3,186·104 | 3,733·188 | 4,048·180 |
| (ii) Railways | | | | 101·935 | 88·420 |
| TOTAL | 1,655·568 | 2,209·509 | 3,186·104 | 3,835·123 | 4,136·600 |
| ALL INDIA GRAND TOTAL | 7,513·971 | 11,871·642 | 20,123·116 | 36,825·248 | 40,512·187 |
| 3. ENERGY PURCHASED FROM NON-ELECTRIC UTILITIES (MILLION kWh) | 17·737 | 18·642 | 223·041 | 12·919 | 55·517 |
| 4. ENERGY USED BY POWER STATION AUXILIARIES (MILLION kWh) | 218·317 | 386·447 | 721·864 | 1,647·455 | 1,792·618 |
| 5. SALES (MILLION kWh)— | | | | | |
| (a) Domestic light and small power | 594·080 | 934·122 | 1,492·291 | 2,355·139 | 2,626·727 |
| (b) Commercial light and small power | 330·016 | 545·851 | 847·735 | 1,650·073 | 1,819·649 |
| (c) Industrial | 3,058·889 | 5,323·424 | 9,696·415 | 18,875·885 | 20,390·802 |
| (d) Public lighting | 67·602 | 117·767 | 193·241 | 279·569 | 308·030 |
| (e) Railway/tramways | 329·594 | 404·925 | 453·923 | 1,057·282 | 1,180·213 |
| (f) Irrigation and dewatering | 203·048 | 316·178 | 832·921 | 1,891·835 | 2,106·483 |
| (g) Public water works & sewage Pumping | 210·115 | 317·078 | 436·190 | 625·161 | 695·732 |
| TOTAL | 4,793·314 | 7,959·345 | 13,952·716 | 26,734·944 | 29,127·636 |
| 6. ENERGY LOST IN TRANSFORMATION, TRANSMISSION AND DISTRIBUTION AND UNACCOUNTED FOR | 864·479 | 1,334·983 | 2,485·473 | 4,585·173 | 5,510·850 |
| 7. FUEL CONSUMPTION— | | | | | |
| (a) In Steam Power Stations— | | | | | |
| (i) Coal (Tonnes) | 2,478,199 | 4,067,348 | 6,699,590 | 10,273,634 | 11,233,081 |
| (ii) Lignite (Tonnes) | | | | 2,184,116 | 1,781,360 |
| (iii) Wood (Tonnes) | | | | 14,196 | 17,055 |
| (iv) Furnace oil(kilo-litres) | | | | 422,848 | 626,234 |
| (b) In Gas Turbine & Diesel Power Stations— | | | | | |
| (v) Diesel oil(kilo-litres) | 85,181 | 83,124 | 122,052 | 185,868 | 116,994 |

TABLE 1— SALIENT FEATURES OF THE ELECTRICITY SUPPLY INDUSTRY—contd.

| Year | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|-------------|------------|--------------|------------|------------|
| 8. MAXIMUM DEMAND (kW) | 1,205,194 | 1,989,774 | 3,545,930 | 7,306,230 | 8,291,571 |
| 9. TRANSMISSION AND DISTRIBUTION LINES KM. | *39,380·000 | *50,000·00 | *1,46,737·26 | 5,41,475·9 | 660,859 |
| 10. AUTHORISED UNDERTAKINGS— | | | | | |
| (a) Public Sector— | | | | | |
| (i) Generating & distributing | | | | | 10 |
| (ii) Generating, purchasing & distributing | 269 | 69 | 74 | 71 | 30 |
| (iii) Purchasing & distributing. | | | | | 30 |
| SUB-TOTAL (a) | 269 | 69 | 74 | 71 | 70 |
| (b) Private Sector— | | | | | |
| (i) Generating & distributing | | | | | 15 |
| (ii) Generating, purchasing & distributing | 316 | 301 | 263 | 180 | 35 |
| (iii) Purchasing & distributing | | | | | 110 |
| SUB-TOTAL (b) | 316 | 301 | 263 | 180 | 160 |
| GRAND TOTAL | 585 | 370 | 337 | 251 | 230 |
| 11. NO. OF CONSUMERS— | | | | | |
| (a) Domestic light and small power | 1,307,059 | 2,180,659 | 3,666,889 | 6,379,240 | 7,082,237 |
| (b) Commercial light and small power | 273,280 | 469,845 | 672,554 | 1,408,858 | 1,601,902 |
| (c) Industrial power including railways/tramways and public water works and sewage pumping | 70,704 | 108,756 | 178,692 | 330,800 | 370,236 |
| (d) Public lighting | 2,367 | 3,694 | 15,126 | 51,181 | 48,509 |
| (e) Irrigation and dewatering | 24,395 | 62,848 | 195,902 | 508,572 | 619,067 |
| TOTAL | 1,677,805 | 2,825,802 | 4,729,163 | 8,678,651 | 9,721,951 |
| 12. CONNECTED LOAD (kW)— | | | | | |
| (a) Domestic light & small power | 858,958 | 1,319,328 | 2,234,786 | 3,689,446 | 4,330,725 |
| (b) Commercial light and small power | 327,579 | 407,631 | 526,070 | 1,022,748 | 1,169,017 |
| (c) Industrial power including railways/tramways and public water works and sewage pumping | 1,723,110 | 2,632,280 | 4,561,915 | 6,749,087 | 7,544,100 |
| (d) Public lighting | 22,723 | 36,805 | 76,155 | 104,519 | 128,797 |
| (e) Irrigation and dewatering | 140,421 | 327,774 | 826,530 | 2,037,353 | 2,501,222 |
| TOTAL | 3,072,791 | 4,723,818 | 8,225,456 | 13,603,153 | 15,673,861 |
| 13. ELECTRIFIED TOWN AND VILLAGES | 4,051 | 8,751 | 23,969 | 54,816 | 56,721 |
| 14. PER CAPITA GENERATION (UTILITIES AND NON-UTILITIES) | 20·8 | 30·9 | 43·9 | 73·81 | 80·73 |
| 15. PER CAPITA CONSUMPTION (UTILITIES NON-UTILITIES) | 17·8 | 26·4 | 38·2 | 61·33 | 66·17 |
| 16. CAPITAL EXPENDITURE (RS. CRORE) | 169·1 | 516·9 | 758·8 | 1,646 | |

*Excludes L.T. lines upto 500 volts.

TABLE 2—INSTALLED PLANT CAPACITY (AS ON 31-3-67) AND GENERATION BY TYPE OF PLANT AND OWNERSHIP

| Sl. No. | Type of plant and ownership | Installed plant capacity (kW) | Percentage of total | Generation (Million kWh) | Percentage of total |
|---------|--|-------------------------------|---------------------|--------------------------|---------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | STEAM— | | | | |
| | Public Sector | | | | |
| | (a) State Electricity Boards/Electricity Departments | 2,809,715 | 27.6 | 10,261.598 | 28.2 |
| | (b) Power Corporation | 840,000 | 8.2 | 4,014.075 | 11.0 |
| | (c) Municipalities | 106,000 | 1.0 | 426.244 | 1.2 |
| | SUB-TOTAL | 3,755,715 | 36.8 | 14,701.917 | 40.4 |
| | Private Sector Companies | 1,185,770 | 11.7 | 4,593.527 | 12.7 |
| | TOTAL (i) | 4,941,485 | 48.5 | 19,295.444 | 53.1 |
| 2 | GAS TURBINE— | | | | |
| | Public Sector | | | | |
| | (a) State Electricity Boards/Electricity Departments | 134,000 | 1.3 | 80.460 | 0.2 |
| | (b) Power Corporation | .. | .. | .. | .. |
| | (c) Municipalities | .. | .. | .. | .. |
| | SUB-TOTAL | 134,000 | 1.3 | 80.460 | 0.2 |
| | Private Sector Companies | .. | .. | .. | .. |
| | TOTAL (ii) | 134,000 | 1.3 | 80.460 | 0.2 |
| 3 | DIESEL— | | | | |
| | (a) State Electricity Boards/Electricity Departments | 251,134 | 2.5 | 175.786 | 0.4 |
| | (b) Power Corporation | 32,337 | 0.3 | 22.834 | 0.1 |
| | (c) Municipalities | .. | .. | .. | .. |
| | | SUB-TOTAL | 283,471 | 2.8 | 198.620 |
| | Private Sector Companies | 48,211 | 0.5 | 66.965 | 0.2 |
| | TOTAL (iii) | 331,682 | 3.3 | 265.585 | 0.7 |
| 4 | HYDRO— | | | | |
| | Public Sector | | | | |
| | (a) State Electricity Boards/Electricity Departments | 4,392,577 | 43.1 | 15,549.041 | 42.8 |
| | (b) Power Corporation | 104,000 | 1.0 | 120.021 | 0.3 |
| | (c) Municipalities | 7,860 | 0.1 | 23.813 | .. |
| | SUB-TOTAL | 4,504,437 | 44.2 | 15,692.875 | 43.1 |
| | Private Sector Companies | 277,510 | 2.7 | 1,041.223 | 2.9 |
| | TOTAL (iv) | 4,781,947 | 46.9 | 16,734.098 | 46.0 |
| | GRAND TOTAL (i+ii+iii+iv) | 10,189,114 | 100.0 | 36,375.587 | 100.0 |

TABLE 3—INSTALLED PLANT CAPACITY AND GENERATION BY OWNERSHIP

| Ownership | No. of Undertakings | Installed Plant Capacity | | | Generation | | |
|--|---------------------|--------------------------|---------------------|------------------------------------|--|---------------------|------------------------------------|
| | | As on 31-3-67 (kW) | Percentage of total | Increase in 1966-67 over 1965-66 % | Energy generated 1966-67 (Million kWh) | Percentage of total | Increase in 1966-67 over 1965-66 % |
| (1) Public Sector | | | | | | | |
| (a) State Electricity Boards/Electricity Departments | 25 | 7,587,426 | 74.5 | 19.45 | 26,066.885 | 71.6 | 18.86 |
| (b) Power Corporation | 1 | 944,000 | 9.3 | 17.41 | 4,134.096 | 11.4 | 11.30 |
| (c) Municipalities | 44 | 146,197 | 1.4 | 10.60 | 472.891 | 1.3 | 10.75 |
| SUB-TOTAL | 70 | 8,677,623 | 85.2 | 19.05 | 30,673.872 | 84.3 | 17.65 |
| (2) Private Sector | | | | | | | |
| (a) Companies | 160 | 1,511,491* | 14.8 | (-)1.13* | 5,701.715* | 15.7(-) | 4.06* |
| TOTAL | 230 | 10,189,114 | 100.0 | 12.86 | 36,375.587 | 100.0 | 10.26 |

*Based on revised figures of Private Sector after excluding Durgapur Coke Oven which was included under Private Sector in the previous year.

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

| Sl. No. | Name of the State/ Union Territory/Power Corporation | PUBLIC SECTOR | | | | | | PRIVATE SECTOR | | | TOTAL | | |
|---------|---|--|-------------------------------|--------------------------------|---------------------|-------------------------------|--------------------------------|---------------------|-------------------------------|--------------------------------|---------------------|-------------------------------|--------------------------------|
| | | State Electricity Board/ Electricity Deptt./ Power Corporation | | | Municipality | | | Compan | | | 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 | 472,628* | 1,601·102* | .. | .. | .. | .. | .. | 1 | 472,628* | 1,601·102 | |
| 2 | Assam | 1 | 152,738 | 128·122 | .. | .. | .. | 4 | 6,769 | 12·753 | 5 | 159,507 | 140·875 |
| 3 | Bihar | 1 | 107,843 | 315·394 | .. | .. | .. | 10 | 31,841 | 102·972 | 11 | 139,684 | 418·366 |
| 4 | Gujarat | 1 | 414,118 | 1,513·959 | 11 | 2,275 | 3·252 | 27 | 242,001 | 974·613 | 39 | 658,394 | 2,491·824 |
| 5 | Jammu and Kashmir | 1 | 29,057 | 110·464 | .. | .. | .. | .. | .. | .. | 1 | 29,057 | 110·464 |
| 6 | Kerala | 1 | 362,600 | 1,083·113 | 1 | .. | .. | 4 | .. | .. | 6 | 362,600 | 1,083·113 |
| 7 | Madhya Pradesh | 1 | 404,772† | 1,382·854† | .. | .. | .. | 5 | 18,338 | 53·752 | 6 | 423,110† | 1,436·606* |
| 8 | Madras | 1 | 1,394,150 | 3,939·711 | 5 | .. | .. | 8 | .. | .. | 14 | 1,394,150 | 3,939·711 |
| 9 | Maharashtra | 1 | 807,582 | 4,006·459 | 7 | 1,735 | 0·009 | 40 | 627,480 | 2,326·416 | 48 | 1,436,797 | 6,332·884 |
| 10 | Mysore | 1 | 428,163‡ | 2,458·628‡ | .. | .. | .. | 10 | 2,094 | 1·115 | 11 | 430,257 | 2,459·743‡ |
| 11 | Nagaland | 1 | 1,238 | 1·877 | .. | .. | .. | .. | .. | .. | 1 | 1,238 | 1·877 |
| 12 | Orissa | 1 | 280,230 | 651·920 | .. | .. | .. | .. | .. | .. | 1 | 280,230 | 651·920 |
| 13 | Punjab | 1 | 1,063,637** | 3,798·135** | 2 | 3,660 | 9·596 | 3 | 204 | .. | 6 | 1,067,501 | 3,807·731** |
| 14 | Rajasthan | 1 | 80,438 | 142·935 | 1 | 373 | 0·396 | 4 | 10,369 | 16·517 | 6 | 91,180 | 159·848 |
| 15 | Uttar Pradesh | 1 | 871,310 | 3,123·937 | 13 | 8,134 | 11·388 | 18 | 51,018 | 177·849 | 32 | 930,462 | 3,313·174 |
| 16 | West Bengal | 1 | 704,555 | 1,787·988 | 1 | 3,200 | 6·432 | 24 | 519,337 | 2,031·518 | 26 | 1,227,092 | 3,825·938 |
| | | | @ | @ | | | | | | | | @ | |
| 17 | Union Territories : | | | | | | | | | | | | |
| | (a) Delhi | .. | .. | .. | 2 | 126,820 | 441·818 | .. | .. | .. | 2 | 126,820 | 441·818 |
| | (b) Andaman & Nicobar Islands | 1 | 1,658 | 2·684 | .. | .. | .. | .. | .. | .. | 1 | 1,658 | 2·684 |
| | (c) Goa, Daman & Diu | 1 | 3,933 | 4·461 | 1 | .. | .. | 1 | 2,040 | 4·210 | 3 | 5,973 | 8·671 |
| | (d) Dadra & Nagar Haveli | 1 | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | 1 | 1,241 | 3·258 | .. | .. | .. | .. | .. | .. | 1 | 1,241 | 3·258 |
| | (f) Laccadive, Minicoy & Amindive Islands | 1 | 317 | 0·112 | .. | .. | .. | .. | .. | .. | 1 | 317 | 0·112 |
| | (g) Manipur | 1 | 2,557 | 3·414 | .. | .. | .. | .. | .. | .. | 1 | 2,557 | 3·414 |
| | (h) N.E.F.A. | 1 | DATA | NOT AVAILABLE | .. | .. | .. | .. | DATA | NOT AVAILABLE | .. | .. | .. |
| | (i) Pondicherry | 1 | .. | .. | .. | .. | .. | 2 | .. | .. | 3 | .. | .. |
| | (j) Tripura | 1 | 2,661 | 6·358 | .. | .. | .. | .. | .. | .. | 1 | 2,661 | 6·358 |
| 18 | Damodar Valley Corporation | 1 | 944,000 | 4,134·096 | .. | .. | .. | .. | .. | .. | 1 | 944,000 | 4,134·096 |
| | ALL INDIA TOTAL | 26 | 8,531,426 | 30,200·981 | 44 | 146,197 | 472·891 | 160 | 1,511,491 | 5,701·715 | 230 | 10,189,114 | 36,375,587 |

*Includes total installed capacity & generation of Machkund, Tungabhadra Dam & Hampi Power Houses.

†Includes total installed capacity & generation of Gandhi Sagar Power House.

‡Includes total installed capacity & generation of Sharavathi & Bhadra Power Houses.

**Includes total installed capacity & generation of Bhakra, Ganguwal & Kotla.

@Durgapur Coke Oven which was included under private sector in the previous years is taken under public sector.

TABLE 5—INSTALLED PLANT CAPACITY, MAXIMUM DEMAND AND

| Sl. No. | Name of State/Union Territory/Power Corporation | Steam | | | Gas Turbine and Diesel | | |
|---------|---|-------------------------------|---------------------|--------------------------|-------------------------------|---------------------|--------------------------|
| | | Installed plant capacity (kW) | Maximum Demand (kW) | Generation (Million kWh) | Installed plant capacity (kW) | Maximum Demand (kW) | Generation (Million kWh) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Andhra Pradesh | 233,500 | 216,200 | 763·479 | 32,128 | 15,040 | 20·675 |
| 2 | Assam | .. | .. | .. | 113,597 | 24,998 | 67·899 |
| 3 | Bihar | 123,770 | 99,726 | 394·248 | 15,914 | 10,728 | 24·118 |
| 4 | Gujarat | 609,600 | 533,100 | 2,474·894 | 48,794 | 26,988 | 16·930 |
| 5 | Jammu & Kashmir | 1,500 | .. | .. | 1,546 | 700 | 0·294 |
| 6 | Kerala | .. | .. | .. | 3,600 | 1,450 | 0·376 |
| 7 | Madhya Pradesh | 286,570 | 266,374 | 1,323·583 | 21,540 | 9,533 | 14·288 |
| 8 | Madras | 401,500 | 378,710 | 1,839·314 | 6,000 | .. | .. |
| 9 | Maharashtra | 646,000 | 485,650 | 2,511·272 | 41,973 | 21,572 | 47·869 |
| 10 | Mysore | .. | .. | .. | 12,657 | 3,865 | 3·216 |
| 11 | Nagaland | .. | .. | .. | 1,238 | 928 | 1·877 |
| 12 | Orissa | 5,750 | 3,430 | 5·006 | 4,468 | 379 | 0·754 |
| 13 | Punjab & Haryana | 33,100 | 11,700 | 54·768 | 19,325 | 7,349 | 2·900 |
| 14 | Rajasthan | 46,150 | 27,579 | 111·564 | 45,030 | 26,031 | 48·284 |
| 15 | Uttar Pradesh | 398,235 | 293,890 | 1,583·298 | 54,472 | 31,663 | 40·936 |
| 16 | West Bengal | 1,208,710 | 805,400 | 3,791·886 | 10,874 | 7,257 | 20·359 |
| 17 | Union Territories : | | | | | | |
| | (a) Delhi | 106,000 | 86,820 | 426·244 | 20,820 | 14,900 | 15·574 |
| | (b) Andaman & Nicobar Islands | 1,100 | 400 | 1·543 | 558 | 320 | 1·141 |
| | (c) Goa, Daman & Diu | .. | .. | .. | 5,973 | 2,610 | 8·671 |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | .. | .. | .. | 240 | .. | .. |
| | (f) Laccadive, Minicoy & Amindive Islands | .. | .. | .. | 317 | 99 | 0·112 |
| | (g) Manipur | .. | .. | .. | 1,957 | 1,214 | 3·414 |
| | (h) N.E.F.A. | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. |
| | (j) Tripura | .. | .. | .. | .. | .. | .. |
| 18 | Damodar Valley Corporation | 840,000 | 821,000 | 4,014·075 | 2,661 | 1,883 | 6·358 |
| | TOTAL | 4,941,485 | 4,029,979 | 19,295·444 | 465,682 | 209,507 | 346·045 |

ENERGY GENERATED BY TYPE OF PLANT AS ON 31-3-1967

| Hydro | | | Total | | |
|-------------------------------|---------------------|--------------------------|-------------------------------|---------------------|--------------------------|
| Installed plant capacity (kW) | Maximum Demand (kW) | Generation (Million kWh) | Installed plant capacity (kW) | Maximum Demand (kW) | Generation (Million kWh) |
| 9 | 10 | 11 | 12 | 13 | 14 |
| 207,000 | 208,000 | 816·948 | 472,628 | 439,240 | 1,601·102 |
| 45,910 | 19,380 | 72·976 | 159,507 | 44,378 | 140·875 |
| .. | .. | .. | 139,684 | 110,454 | 418·366 |
| .. | .. | .. | 658,394 | 560,088 | 2,491·824 |
| 26,011 | 21,740 | 110,170 | 29,057 | 22,440 | 110·464 |
| 359,000 | 310,140 | 1,082·737 | 362,600 | 311,590 | 1,083·113 |
| 115,000 | 61,500 | 98·465 | 423,110 | 337,407 | 1,436·606 |
| 986,650 | 926,400 | 2,100·397 | 1,394,150 | 1,305,110 | 3,939·711 |
| 748,824 | 726,160 | 3,773·743 | 1,436,797 | 1,233,382 | 6,332·884 |
| 417,600 | 414,300 | 2,456·527 | 430,257 | 418,165 | 2,459·743 |
| .. | .. | .. | 1,238 | 928 | 1·877 |
| 270,012 | 166,900 | 646·160 | 280,230 | 170,709 | 651·920 |
| 1,015,076 | 788,235 | 3,750·063 | 1,067,501 | 807,284 | 3,807·731 |
| .. | .. | .. | 91,180 | 53,610 | 159·848 |
| 477,755 | 296,900 | 1,688·940 | 930,462 | 622,453 | 3,313·174 |
| 7,508 | 6,946 | 13·693 | 1,227,092 | 819,603 | 3,825·938 |
| .. | .. | .. | 126,820 | 101,720 | 441·818 |
| .. | .. | .. | 1,658 | 720 | 2·684 |
| .. | .. | .. | 5,973 | 2,610 | 8·671 |
| 1,001 | 784 | 3·258 | 1,241 | 784 | 3·258 |
| .. | .. | .. | 317 | 99 | 0·112 |
| 600 | .. | .. | 2,557 | 1,214 | 3·414 |
| .. | .. | .. | .. | .. | .. |
| .. | .. | .. | 2,661 | 1,883 | 6·358 |
| 104,000 | 104,700 | 120·021 | 944,000 | 925,700 | 4,134·096 |
| 4,781,947 | 4,052,085 | 16,734·098 | 10,189,114 | 8,291,571 | 36,375·587 |

TABLE 6—STATEWISE GENERATION AND AUXILIARIES

| Sl. No. | Name of the State/ Union Territory/ Power Corporation | Hydro | | | Steam | | |
|---------|---|-----------------------------------|---|--|-----------------------------------|---|--|
| | | Energy generated (Million kWh) | Energy used by power station auxiliaries (Million kWh) | Auxiliary consumption as % of generation | Energy generated (Million kWh) | Energy used by power station auxiliaries (Million kWh) | Auxiliary consumption as % of generation |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1 | Andhra Pradesh | 816·948 | 3·477 | 0·43 | 763·479 | 64·756 | 8·48 |
| 2 | Assam | 72·976 | 1·106 | 1·52 | .. | .. | .. |
| 3 | Bihar | .. | .. | .. | 394·248 | 37·184 | 9·43 |
| 4 | Gujarat | .. | .. | .. | 2,474·894 | 199·003 | 8·04 |
| 5 | Jammu & Kashmir | 110·170 | 1·127 | 1·02 | .. | .. | .. |
| 6 | Kerala | 1,082·737 | 14·928 | 1·38 | .. | .. | .. |
| 7 | Madhya Pradesh | 98·465 | 0·881 | 0·89 | 1,323·853 | 107·688 | 8·13 |
| 8 | Madras | 2,100·397 | 6·177 | 0·29 | 1,839·314 | 206·670 | 11·24 |
| 9 | Maharashtra | 3,773·743 | 19·984 | 0·53 | 2,511·272 | 203·177 | 8·09 |
| 10 | Mysore | 2,456·527 | 7·681 | 0·31 | .. | .. | .. |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 646·160 | 3·604 | 0·56 | 5·006 | 1·772* | 35·40* |
| 13 | Punjab | 3,750·063 | 10·200 | 0·27 | 54·768 | 4·816 | 8·80 |
| 14 | Rajasthan | .. | .. | .. | 111·564 | 11·028 | 9·88 |
| 15 | Uttar Pradesh | 1,688·940 | 6·375 | 0·38 | 1,583·298 | 120·306 | 7·60 |
| 16 | West Bengal | 13·693 | 0·101 | 0·74 | 3,791·886 | 304·522 | 8·03 |
| 17 | Union Territories — | | | | | | |
| | (a) Delhi | .. | .. | .. | 426·244 | 42·995 | 10·09 |
| | (b) Andaman & Nicobar Islands | .. | .. | .. | 1·543 | 0·154 | 9·99 |
| | (c) Goa, Daman & Diu | .. | .. | .. | .. | .. | .. |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | 3·258 | 0·025 | 0·77 | .. | .. | .. |
| | (f) Laccadive, Minicoy and Amindive Islands | DATA NOT AVAILABLE | | | .. | .. | .. |
| | (g) Manipur | .. | .. | .. | .. | .. | .. |
| | (h) N.E.F.A. | DATA NOT AVAILABLE | | | .. | .. | .. |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. |
| | (j) Tripura | .. | .. | .. | .. | .. | .. |
| 18 | Damodar Valley Corporation | 120·021 | 2·261 | 1·88 | 4,014·075 | 395·920 | 9·86 |
| | TOTAL | 16,734·098 | 77·927 | 0·47 | 19,295·444 | 1,699·991 | 8·81 |

*Auxiliary consumption figure received, not reliable

CONSUMPTION BY TYPE OF PLANT

| Diesel and gas | | | Total | | Auxiliaries consumption as % of generation |
|--------------------------------|--|--|--------------------------------|--|--|
| Energy generated (Million kWh) | Energy used by power station auxiliaries (Million kWh) | Auxiliary consumption as % of generation | Energy generated (Million kWh) | Energy used by power station auxiliaries | |
| 9 | 10 | 11 | 12 | 13 | 14 |
| 20·675 | 0·331 | 1·60 | 1,601·102 | 68·564 | 4·28 |
| 67·899 | 3·691 | 5·44 | 140·875 | 4·797 | 3·40 |
| 24·118 | 0·870 | 3·61 | 418·366 | 38·054 | 9·09 |
| 16·930 | 1·348 | 7·96 | 2,491·824 | 200·351 | 8·04 |
| 0·294 | 0·014 | 4·76 | 110·464 | 1·141 | 1·03 |
| 0·376 | 0·013 | 3·46 | 1,083·113 | 14·941 | 1·38 |
| 14·288 | 0·477 | 3·34 | 1,436·606 | 109·046 | 7·59 |
| .. | .. | .. | 3,939·711 | 212·847 | 5·40 |
| 47·869 | 2·534 | 5·29 | 6,332·884 | 225·695 | 3·56 |
| 3·216 | 0·134 | 4·17 | 2,459·743 | 7·815 | 0·32 |
| 1·877 | 0·017 | 0·91 | 1·877 | 0·017 | 0·90 |
| 0·754 | 0·026 | 3·45 | 651·920 | 5·402 | 0·83 |
| 2·900 | 0·364 | 12·55 | 3,807·731 | 15·380 | 0·40 |
| 48·284 | 1·582 | 3·28 | 159·848 | 12·610 | 7·89 |
| 40·936 | 1·443 | 3·53 | 3,313·174 | 128·124 | 3·87 |
| 20·359 | 0·759 | 3·73 | 3,825·938 | 305·382 | 7·98 |
| 15·574 | 0·311 | 2·00 | 441·818 | 43·306 | 9·80 |
| 1·141 | 0·107 | 9·38 | 2·684 | 0·261 | 9·72 |
| 8·671 | 0·375 | 4·32 | 8·671 | 0·375 | 4·32 |
| .. | .. | .. | .. | .. | .. |
| .. | .. | .. | 3·258 | 0·025 | 0·77 |
| 0·112 | 0·006 | 5·36 | 0·112 | 0·006 | 5·36 |
| 3·414 | 0·204 | 5·98 | 3·415 | 0·204 | 5·98 |
| .. | DATA | .. | NOT | AVAILABLE | .. |
| 6·358 | 0·094 | 1·48 | 6·358 | 0·094 | 1·48 |
| .. | .. | .. | 4,134·096 | 398·181 | 9·63 |
| 346·045 | 14·700 | 4·25 | 36,375·587 | 1,792·618 | 4·93 |

TABLE 7—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/ Electricity Department/ Power Corporation | | Municipal Corporation | | Company | | Installed plant capacity (kW) | Energy generated (Million kWh) |
| | | Installed plant capacity (kW) | Engery generated (Million kWh) | Installed plant capacity (k W) | Energy generated (Million kWh) | Installed plant capacity (kW) | Energy generated (Million kWh) | | |
| 1 | Andhra Pradesh | 233,500 | 763·479 | .. | .. | .. | .. | 233,500 | 763·479 |
| 2 | Assam | .. | .. | .. | .. | .. | .. | .. | .. |
| 3 | Bihar | 95,000 | 294·616 | .. | .. | 28,770 | 99·632 | 123,770 | 394·248 |
| 4 | Gujarat | 374,500 | 1501·699 | .. | .. | 235,100 | 973·195 | 609,600 | 2,474·894 |
| 5 | Jammu & Kashmir | 1,500 | .. | .. | .. | .. | .. | 1,500 | .. |
| 6 | Kerala | .. | .. | .. | .. | .. | .. | .. | .. |
| 7 | Madhya Pradesh | 269,070 | 1270·794 | .. | .. | 17,500 | 53·059 | 286,570 | 1,323·853 |
| 8 | Tamil Nadu | 401,500 | 1839·314 | .. | .. | .. | .. | 401,500 | 1,839·314 |
| 9 | Maharashtra | 308,500 | 1249·261 | .. | .. | 337,500 | 1,262·011 | 646,000 | 2,511·272 |
| 10 | Mysore | .. | .. | .. | .. | .. | .. | .. | .. |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 5,750 | 5,006 | .. | .. | .. | .. | 5,750 | 5·006 |
| 13 | Punjab | 33,100 | 54·768 | .. | .. | .. | .. | 33,100 | 54·768 |
| 14 | Rajasthan | 46,150 | 111·564 | .. | .. | .. | .. | 46,150 | 111·564 |
| 15 | Uttar Pradesh | 349,485 | 1406·049 | .. | .. | 48,750 | 177·249 | 398,235 | 1,583·298 |
| 16 | West Bengal | 690,560* | 1763·505 | .. | .. | 518,150 | 2,028·381 | 1,208·710 | 3,791·886 |
| 17 | Union Territories— | | | | | | | | |
| | (a) Delhi | .. | .. | 106,000 | 426·244 | .. | .. | 106,000 | 426·244 |
| | (b) Andaman & Nicobar Islands | 1,100 | 1·543 | .. | .. | .. | .. | 1,100 | 1·543 |
| | (c) Goa, Daman & Diu | .. | .. | .. | .. | .. | .. | .. | .. |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | .. | .. | .. | .. | .. | .. | .. | .. |
| | (f) Laccadive, Minicoy & Amindive Islands | .. | .. | .. | .. | .. | .. | .. | .. |
| | (g) Manipur | .. | .. | .. | .. | .. | .. | .. | .. |
| | (h) N.E.F.A. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. | .. | .. |
| | (j) Tripura | .. | .. | .. | .. | .. | .. | .. | .. |
| 18 | Damodar Valley Corporation | 840,000 | 4014·075 | .. | .. | .. | .. | 840,000 | 4014·075 |
| | ALL-INDIA TOTAL | 3649,715 | 14,275·673 | 106,000 | 426·244 | 1,185,770 | 4,593·527 | 4,941,485 | 19,295·444 |

*Durgapur Coke Oven which was included under Private Sector in the previous year is shown under Public Sector.

TABLE 8—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/ Electricity Department/ 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 | 32,128* | 20·675† | .. | .. | .. | .. | 32,128 | 20·675 |
| 2 | Assam | 108,338† | 60·920** | .. | .. | 5,259 | 6·979 | 113,597 | 67·899 |
| 3 | Bihar | 12,843 | 20·778 | .. | .. | 3,071 | 3·340 | 15,914 | 24·118 |
| 4 | Gujarat | 39,618 | 12·260 | 2,275 | 3·252 | 6,901 | 1·418 | 48,794 | 16·930 |
| 5 | Jammu & Kashmir | 1,546 | 0·294 | .. | .. | .. | .. | 1,546 | 0·294 |
| 6 | Kerala | 3,600 | 0·376 | .. | .. | .. | .. | 3,600 | 0·376 |
| 7 | Madhya Pradesh | 20,702 | 13·595 | .. | .. | 838 | 0·693 | 21,540 | 14·288 |
| 8 | Tamil Nadu | 6,000 | .. | .. | .. | .. | .. | 6,000 | .. |
| 9 | Maharashtra | 26,258 | 18·904 | 1,735 | 0·009 | 13,980 | 28·956 | 41,973 | 47·869 |
| 10 | Mysore | 10,563†† | 2·101†† | .. | .. | 2,094 | 1·115 | 12,657 | 3·216 |
| 11 | Nagaland | 1,238 | 1·877 | .. | .. | .. | .. | 1,238 | 1·877 |
| 12 | Orissa | 4,468 | 0·754 | .. | .. | .. | .. | 4,468 | 0·754 |
| 13 | Punjab | 17,211 | 2·836 | 1,910 | 0·064 | 204 | .. | 19,325 | 2·900 |
| 14 | Rajasthan | 34,288¶ | 31·371§ | 373 | 0·396 | 10,369 | 16·517 | 45,030 | 48·284 |
| 15 | Uttar Pradesh | 48,220¶¶ | 38·314§§ | 3,984 | 2·022 | 2,268 | 0·600 | 54,472 | 40·936 |
| 16 | West Bengal | 8,447 | 15·705 | 1,240 | 1·517 | 1,187 | 3·137 | 10,874 | 20·359 |
| 17 | Union Territories— | | | | | | | | |
| | (a) Delhi | .. | .. | 20,820 | 15·574 | .. | .. | 20,820 | 15·574 |
| | (b) Andaman & Nicobar Islands | 558 | 1·141 | .. | .. | .. | .. | 558 | 1·141 |
| | (c) Goa, Daman & Diu | 3,933 | 4·461 | .. | .. | 2,040 | 4·210 | 5,973 | 8·671 |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | 240 | .. | .. | .. | .. | .. | 240 | .. |
| | (f) Laccadive, Minicoy & Amindive Islands | 317 | 0·112 | .. | .. | .. | .. | 317 | 0·112 |
| | (g) Manipur | 1,957 | 3·414 | .. | .. | .. | .. | 1,957 | 3·414 |
| | (h) N.E.F.A. | .. | DATA NOT AVAILABLE | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. | .. | .. |
| | (j) Tripura | 2,661 | 6·358 | .. | .. | .. | .. | 2,661 | 6·358 |
| 18 | Damodar Valley Corporation | .. | .. | .. | .. | .. | .. | .. | .. |
| | ALL INDIA TOTAL | 385,134 | 256·246 | 32,337 | 22·834 | 48,211 | 66·965 | 465,682 | 346·045 |

*Includes (2 sets) 20,000 kW of gas turbines.

†Includes 17·105 MkWh generation by gas plants.

‡Includes (4 sets) 81,500 kW of gas turbines.

**Includes 43·190 MkWh generation by gas plants.

††Includes (1 set) 10,000 kW of gas turbines.

‡‡Includes nil generation by gas plants.

¶Includes (1 set) 10,000 kW of gas turbines.

¶¶Includes (1 set) 12,500 kW of gas turbines.

§Includes 5·241 MkWh generation by gas plants.

§§Includes 14·924 MkWh generation by gas plants.

TABLE 9—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/ Electricity Deptt./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* | 816.948* | .. | .. | .. | .. | 207,000 | 816.948* |
| 2 | Assam | 44,400 | 67.202 | .. | .. | 1,510 | 5.774 | 45,910 | 72.976 |
| 3 | Bihar | .. | .. | .. | .. | .. | .. | .. | .. |
| 4 | Gujarat | .. | .. | .. | .. | .. | .. | .. | .. |
| 5 | Jammu & Kashmir | 26,011 | 110.170 | .. | .. | .. | .. | 26,011 | 110.170 |
| 6 | Kerala | 359,000 | 1,082.737 | .. | .. | .. | .. | 359,000 | 1,082.737 |
| 7 | Madhya Pradesh | 115,000† | 98.465† | .. | .. | .. | .. | 115,000 | 98.465† |
| 8 | Tamil Nadu | 986,650 | 2,100.397 | .. | .. | .. | .. | 986,650 | 2,100.397 |
| 9 | Maharashtra | 472,824 | 2,738.294 | .. | .. | 276,000 | 1,035.449 | 748,824 | 3,773.743 |
| 10 | Mysore | 417,600‡ | 2,456.527‡ | .. | .. | .. | .. | 417,600 | 2,456.527‡ |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 270,012 | 646.160 | .. | .. | .. | .. | 270,012 | 646.160 |
| 13 | Punjab | 1,013,326\$ | 3,740.531\$ | 1,750 | 9.532 | .. | .. | 1,015,076 | 3,750.063\$ |
| 14 | Rajasthan | .. | .. | .. | .. | .. | .. | .. | .. |
| 15 | Uttar Pradesh | 473,605 | 1,679.574 | 4,150 | 9.366 | .. | .. | 477,755 | 1,688.40 |
| 16 | West Bengal | 5,548 | 8.778 | 1,960 | 4.915 | .. | .. | 7,508 | 13.693 |
| 17 | Union Territories— | .. | .. | .. | .. | .. | .. | .. | .. |
| | (a) Delhi | .. | .. | .. | .. | .. | .. | .. | .. |
| | (b) Andaman & Nicobar Islands | .. | .. | .. | .. | .. | .. | .. | .. |
| | (c) Goa, Daman & Diu | .. | .. | .. | .. | .. | .. | .. | .. |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | 1,001 | 3.258 | .. | .. | .. | .. | 1,001 | 3.258 |
| | (f) Laccadive, Minicoy and Amindive Islands | .. | .. | .. | .. | .. | .. | .. | .. |
| | (g) Manipur | 600 | .. | .. | .. | .. | .. | 600 | .. |
| | (h) N.E.F.A. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. | .. | .. |
| | (j) Tripura | .. | .. | .. | .. | .. | .. | .. | .. |
| 18 | Damodar Valley Corporation | 104,000 | 120.021 | .. | .. | .. | .. | 104,000 | 120.021 |
| | ALL INDIA TOTAL | 4,496,577 | 15,669.062 | 7,860 | 23.813 | 277,510 | 1,041.223 | 4,781,947 | 16,734.098 |

*Includes total installed capacity & generation of Machkund, Tungabhadra Dam and Hampi Power Houses.

†Includes total installed capacity & generation of Gandhi Sagar Power House.

‡Includes total installed capacity & generation of Sharavathi & Bhadra Power Houses.

\$Includes total installed capacity & generation of Bhakra, Ganguwal & Kotla Power Houses.

TABLE 10—INSTALLED CAPACITY, MAXIMUM DEMAND AND GENERATION OF GAS TURBINE PLANTS

| Sl. No. | Name of the State | Installed plant capacity (kW) | Maximum Demand (kW) | Generation (Million kWh) |
|---------|-------------------|-------------------------------|---------------------|--------------------------|
| 1 | Andhra Pradesh | 20,000 | 10,800 | 17·105 |
| 2 | Assam | 81,500 | 9,800 | 43·190 |
| 3 | Mysore | 10,000 | .. | .. |
| 4 | Rajasthan | 10,000 | 9,800 | 5·241 |
| 5 | Uttar Pradesh | 12,500 | 12,500 | 14·924 |
| | TOTAL | 134,000 | 42,900 | 80·460 |

TABLE 11—SHARES OF PARTICIPATING STATES IN JOINTLY OWNED POWER STATION

| 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 State | | Energy off-take (Million kWh) |
|---------|---|-------------------------------|--------------------------------|--|----------------------------------|----------------------------------|-------------------------------|-------------------------------|
| | | | | | | Percentage share | Installed plant capacity (kW) | |
| (1) | (2) | (3) | (4) | (5) | (6) | (7) | (8) | (9) |
| 1 | Machkund Hydro Power Station. | 120,000 | 459·372 | 2·110 | Andhra Pradesh | 70 | 84,000 | 351·518 |
| | | | | | Orissa | 30 | 36,000 | 83·565 |
| 2 | Tungabhadra Right Bank & Hampi Hydro Power Station. | 72,000 | 325·610 | 0·828 | Andhra Pradesh | 80 | 57,600 | 258·301 |
| | | | | | Mysore | 20 | 14,400 | 56·015 |
| 3 | Gandhisagar Hydro Power Station. | 115,000 | 98·465 | 0·881 | Madhya Pradesh | 50 | 57,500 | 53·384 |
| | | | | | Rajasthan | 50 | 57,500 | 44·200 |
| 4 | Bhakra, Ganguwal, Kotla Hydro Power Station. | 964,500 | 3,532·953 | 9·170 | Punjab | 84·78 | 817,703 | 3,306·279 |
| | | | | | Rajasthan | 15·22 | 146,797 | 217·504 |

TABLE 12—AGGREGATE GENERATING MAXIMUM DEMAND BY OWNERSHIP IN kW

| Sl. No. | Name of State/Union Territory/Power Corporation | State Electricity Board/ Electricity Department/ Power Corporation | Municipality | Company | Total (kW) |
|---------|--|--|--------------|-----------|--------------------|
| 1 | Andhra Pradesh | 439,240 | .. | .. | 439,240 |
| 2 | Assam | 40,880 | .. | 3,498 | 44,378 |
| 3 | Bihar | 88,270 | .. | 22,184 | 110,454 |
| 4 | Gujarat | 354,169 | 659 | 205,260 | 560,088 |
| 5 | Jammu & Kashmir | 22,440 | .. | .. | 22,440 |
| 6 | Kerala | 311,590 | .. | .. | 311,590 |
| 7 | Madhya Pradesh | 325,147 | .. | 12,260 | 337,407 |
| 8 | Tamil Nadu | 1,305,110 | .. | .. | 1,305,110 |
| 9 | Maharashtra | 683,522 | 181 | 549,679 | 1,233,382 |
| 10 | Mysore | 414,360 | .. | 3,805 | 418,165 |
| 11 | Nagaland | 928 | .. | .. | 928 |
| 12 | Orissa | 170,709 | .. | .. | 170,709 |
| 13 | Punjab | 805,034 | 2,250 | .. | 807,284 |
| 14 | Rajasthan | 47,931 | 195 | 5,484 | 53,610 |
| 15 | Uttar Pradesh | 581,890 | 3,800 | 36,763 | 622,453 |
| 16 | West Bengal | 450,603 | 2,710 | 366,290 | 819,603 |
| 17 | Union Territories— | | | | |
| | (a) Delhi | .. | 101,720 | .. | 101,720 |
| | (b) Andaman & Nicobar Islands | 720 | .. | .. | 720 |
| | (c) Goa, Daman & Diu | 1,510 | .. | 1,100 | 2,610 |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. |
| | (e) Himachal Pradesh | 784 | .. | .. | 784 |
| | (f) Laccadive Minicoy & Amindive Islands | 99 | .. | .. | 99 |
| | (g) Manipur | 1,214 | .. | .. | 1,214 |
| | (h) N.E.F.A. | | | | DATA NOT AVAILABLE |
| | (i) Pondicherry | .. | .. | .. | .. |
| | (j) Tripura | 1,883 | .. | .. | 1,883 |
| 18 | Damodar Valley Corporation | 925,700 | .. | .. | 925,700 |
| | ALL INDIA TOTAL | 6,973,733 | 111,515 | 1,206,323 | 8,291,571 |

TABLE 13—STEAM AND GAS TURBINE GENERATING UNITS COMMISSIONED DURING 1966-1967

| Installed at | State/Union Territory | No. of Sets | Capacity of each set (kW) | Total capacity (kW) |
|------------------------------|--------------------------------|-------------|---------------------------|---------------------|
| <i>Steam Turbines</i> | | | | |
| Kothagudam | Andhra Pradesh | 2 | 60,000 | 120,000 |
| Patratu | Bihar | 1 | 50,000 | 50,000 |
| Korba (New) | Madhya Pradesh | 1 | 50,000 | 50,000 |
| Bandel | West Bengal | 1 | 87,500 | 87,500 |
| Durgapur Coke Oven | West Bengal | 1 | 75,000 | 75,000 |
| Durgapur | West Bengal (D.V.C.) | 1 | 140,000 | 140,000 |
| Rajghat* | Delhi | 1 | 15,000 | 15,000 |
| | TOTAL | 8 | | 537,500 |

*Installation at Municipal owned power station.

TABLE 14—MAJOR HYDRO GENERATING UNITS COMMISSIONED DURING 1966-67

| Installed at | State | No. of units | Capacity of each unit (kW) | Total capacity (kW) |
|-----------------------------|--------------------------|--------------|----------------------------|---------------------|
| Sabarigiri | Kerala | 3 | 50,000 | 150,000 |
| Sholayar | Kerala | 1 | 18,000 | 18,000 |
| Gandhi Sagar | Madhya Pradesh | 1 | 23,000 | 23,000 |
| Mettur Tunnel | Tamil Nadu | 1 | 50,000 | 50,000 |
| Sarkarpathy | Tamil Nadu | 1 | 30,000 | 30,000 |
| Koyna | Maharashtra | 2 | 75,000 | 150,000 |
| Bhakra Right Bank | Punjab | 2 | 120,000 | 240,000 |
| | TOTAL | 11 | | 661,000 |

TABLE 15—BOILERS COMMISSIONED DURING 1966-67

| Installed at | State/Union Territory | 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 |
| Kothagudam | Andhra Pradesh | 2 | 254.0 | 89.0 | 510 |
| Patratu | Bihar | 1 | 220.0 | 100.0 | 540 |
| Korba (New) | Madhya Pradesh | 1 | 220.0 | 100.0 | 540 |
| Bandel | West Bengal | 1 | 285.0 | 100.0 | 530 |
| Durgapur Coke Oven | West Bengal | 1 | 317.6 | 73.0 | 500 |
| Durgapur | West Bengal (D.V.C.) | 1 | 447.0 | 137.1 | 540 |
| Rajghat* | Delhi | 1 | 62.0 | 44.0 | 471 |

*Installation at Municipal owned power station.

TABLE 16—ACQUISITION OF ELECTRICITY SUPPLY UNDERTAKINGS

| Name of the Undertaking | Prior Ownership | Year of acquisition | By whom acquired |
|---|---------------------|---------------------|--|
| Generating & Distributing— | | | |
| 1. Dhubri | Company | 15-7-66 | Assam State Electricity Board. |
| 2. Udwada | Company | 31-12-66 | Gujarat Electricity Board. |
| 3. Vapi | Company | 31-12-66 | Gujarat Electricity Board. |
| 4. Sankheda | Municipal | 31-1-67 | Gujarat Electricity Board. |
| 5. Harda | Company | 5-12-66 | Madhya Pradesh Electricity Board. |
| 6. Alirajpur | Company | 1-4-66 | Madhya Pradesh Electricity Board. |
| 7. Bhikangaon | Company | 31-12-66 | Madhya Pradesh Electricity Board. |
| 8. Belapur Road and Kopergaon | Company | 1-9-66 | Maharashtra State Electricity Board. |
| 9. Panchgani | Company | 1-5-66 | Maharashtra State Electricity Board. |
| 10. Belapur Town | Company | 1-7-66 | Maharashtra State Electricity Board. |
| 11. Dhulia | Company | 1-9-66 | Maharashtra State Electricity Board. |
| 12. Nandurbar | Company | 1-8-66 | Maharashtra State Electricity Board. |
| 13. Nandgaon | Municipal | 1-7-66 | Maharashtra State Electricity Board. |
| 14. Kathure Gram Panchayat | Municipal | 6-5-66 | Maharashtra State Electricity Board. |
| 15. Dharwar | Company | 23-11-66 | Mysore State Electricity Board. |
| 16. Athni | Company | 1-4-66 | Mysore State Electricity Board. |
| 17. Nainwa | Municipal | N.A. | Rajasthan State Electricity Board. |
| 18. Suratgarh | Municipal | N.A. | Rajasthan State Electricity Board. |
| 19. Surajgarh | Company | N.A. | Rajasthan State Electricity Board. |
| Purchasing & Distributing— | | | |
| 1. Cambay | Company | 20-9-66 | Gujarat Electricity Board. |
| 2. Arvi | Company | 15-1-67 | Maharashtra State Electricity Board. |
| 3. Wardha | Company | 12-3-67 | Maharashtra State Electricity Board. |
| 4. Sinnar | Company | 19-2-67 | Maharashtra State Electricity Board. |
| 5. Vrindaban | Company | 1-7-66 | Uttar Pradesh State Electricity Board. |

TABLE 17—DISTRIBUTION OF LICENSEE UNDERTAKINGS INTO (i) GENERATING (ii) GENERATING AND PURCHASING (iii) PURCHASING AND DISTRIBUTING UNDERTAKINGS STATE-WISE

| Sl. No. | Name of the State/Union Territory | Number of Companies | | | Total | Number of Municipalities | | | |
|---------|---|-----------------------------|--|-----------------------------|-------|-----------------------------|---|-----------------------------|-------|
| | | Generating and Distributing | Generating Purchasing and Distributing | Purchasing and Distributing | | Generating and Distributing | Generating, Purchasing and Distributing | Purchasing and Distributing | Total |
| 1 | Andhra Pradesh | .. | .. | .. | .. | .. | .. | .. | .. |
| 2 | Assam | 1 | 3 | .. | 4 | .. | .. | .. | .. |
| 3 | Bihar | .. | 4 | 6 | 10 | .. | .. | .. | .. |
| 4 | Gujarat | 1 | 8 | 18 | 27 | .. | 5 | 6 | 11 |
| 5 | Jammu and Kashmir | .. | .. | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | .. | .. | 4 | 4 | .. | .. | 1 | 1 |
| 7 | Madhya Pradesh | .. | 2 | 3 | 5 | .. | .. | .. | .. |
| 8 | Madras | .. | .. | 8 | 8 | .. | .. | 5 | 5 |
| 9 | Maharashtra | 6 | 4 | 30 | 40 | .. | 2 | 5 | 7 |
| 10 | Mysore | 1 | 3 | 6 | 10 | .. | .. | .. | .. |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | .. | .. | .. | .. | .. | .. | .. | .. |
| 13 | Punjab and Haryana | .. | 1 | 2 | 3 | .. | 1 | 1 | 2 |
| 14 | Rajasthan | 2 | 2 | .. | 4 | 1 | .. | .. | 1 |
| 15 | Uttar Pradesh | 1 | 5 | 12 | 18 | 1 | 4 | 8 | 13 |
| 16 | West Bengal | 2 | 3 | 19 | 24 | .. | 1 | .. | 1 |
| 17 | Union Territories— | | | | | | | | |
| | (a) Delhi | .. | .. | .. | .. | .. | 1 | 1 | 2 |
| | (b) Andaman & Nicobar Islands | .. | .. | .. | .. | .. | .. | .. | .. |
| | (c) Goa, Daman & Diu | 1 | .. | .. | 1 | .. | .. | 1 | 1 |
| | (d) Dadra and Nagar Haveli | .. | .. | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | .. | .. | .. | .. | .. | .. | .. | .. |
| | (f) Laccadive, Minicoy & Amindive Islands | .. | .. | .. | .. | .. | .. | .. | .. |
| | (g) Manipur | .. | .. | .. | .. | .. | .. | .. | .. |
| | (h) N.E.F.A. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | 2 | 2 | .. | .. | .. | .. |
| | (j) Tripura | .. | .. | .. | .. | .. | .. | .. | .. |
| | TOTAL | 15 | 35 | 110 | 160 | 2 | 14 | 28 | 44 |

TABLE 18—CLASSIFICATION OF UNDERTAKINGS OWNING GENERATING

| Range of Installed Plant Capacity (kW) | State Electricity Board/ State Electricity Deptt. | | | Power Corporation | | |
|--|---|--|---|---------------------|--|---|
| | No. of undertakings | Aggregate installed capacity of the group (kW) | Total energy generated by the group (Million kWh) | No. of undertakings | Aggregate installed capacity of the group (kW) | Total energy generated by the group (Million kWh) |
| Upto 500 | 1 | 317 | 0.112 | .. | .. | .. |
| 501 to 1,000 | .. | .. | .. | .. | .. | .. |
| 1,001 to 2,500 | 3 | 4,137 | 7.819 | .. | .. | .. |
| 2,501 to 5,000 | 3 | 9,151 | 14.233 | .. | .. | .. |
| 5,001 to 10,000 | .. | .. | .. | .. | .. | .. |
| 10,001 to 25,000 | .. | .. | .. | .. | .. | .. |
| 25,001 to 50,000 | 1 | 29,057 | 110.464 | .. | .. | .. |
| 50,001 to 100,000 | 1 | 80,438 | 142.935 | .. | .. | .. |
| Over 100,000 | 13 | 7,464,326 | 25,791.322 | 1 | 944,000 | 4,134.096 |
| .. | | | | | | |
| TOTAL | 22 | 7,587,426 | 26,066.885 | 1 | 944,000 | 4,134.096 |

STATIONS ACCORDING TO RANGE OF INSTALLED PLANT CAPACITY

| Municipality | | | Companies | | | Total | | |
|----------------------|--|---|----------------------|--|---|----------------------|--|---|
| No. of under-takings | Aggregate installed capacity of the group (kW) | Total energy generated by the group (Million kWh) | No. of under-takings | Aggregate installed capacity of the group (kW) | Total energy generated by the group (Million kWh) | No. of under-takings | Aggregate installed capacity of the group (kW) | Total energy generated by the group (Million kWh) |
| 7 | 1,472 | 0.462 | 14 | 3,419 | 2.251 | 22 | 5,208 | 2.825 |
| 3 | 1,985 | 3.186 | 8 | 5,953 | 9.984 | 11 | 7,938 | 13.170 |
| 2 | 2,840 | 2.127 | 9 | 13,700 | 20.626 | 14 | 20,677 | 30.572 |
| 2 | 6,860 | 16.028 | 6 | 23,145 | 52.937 | 11 | 39,156 | 83.198 |
| 1 | 6,220 | 9.270 | 3 | 20,649 | 43.523 | 4 | 26,869 | 52.793 |
| .. | .. | .. | 6 | 92,100 | 302.790 | 6 | 92,100 | 302.790 |
| .. | .. | .. | 1 | 29,750 | 105.600 | 2 | 58,807 | 216.064 |
| .. | .. | .. | .. | .. | .. | 1 | 80,438 | 142.935 |
| 1 | 126,820 | 441.818 | 3 | 1,322.775 | 5,164.004 | 18 | 9,857,921 | 35,531.240 |
| 16 | 146,197 | 472.891 | 50 | 1,511,491 | 5,701.715 | 89 | 10,189,114 | 36,375.587 |

TABLE 19—CLASSIFICATION OF UNDERTAKINGS (STATE ELECTRICITY BOARDS/ELECTRICITY DEPTTS. & POWER CORPORATION) OWNING GENERATING STATIONS ACCORDING TO THE RANGE OF GENERATION

| Range of generation (Million kWh) | State Electricity Board/Electricity Deptt. | | Power Corporation | |
|-----------------------------------|--|---|---------------------|---|
| | 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 | 0.112 | .. | .. |
| 0.251 to 0.500 | .. | .. | .. | .. |
| 0.501 to 1.000 | .. | .. | .. | .. |
| 1.001 to 2.500 | 1 | 1.877 | .. | .. |
| 2.501 to 5.000 | 4 | 13.817 | .. | .. |
| 5.001 to 10.000 | 1 | 6.358 | .. | .. |
| 10.001 to 25.000 | .. | .. | .. | .. |
| 25.001 to 50.000 | .. | .. | .. | .. |
| 50.001 to 100.000 | .. | .. | .. | .. |
| 100.001 to 250.000 | 3 | 381.521 | .. | .. |
| 250.001 to 500.000 | 1 | 315.394 | .. | .. |
| 500.001 to 1000.000 | 1 | 651.920 | .. | .. |
| Above 1000.000 | 10 | 24,695.886 | 1 | 4,134.096 |
| TOTAL | 22 | 26,066.885 | 1 | 4,134.096 |

TABLE 20—CLASSIFICATION OF UNDERTAKINGS (STATE ELECTRICITY BOARDS/ELECTRICITY DEPARTMENTS & POWER CORPORATION) OWNING GENERATING STATIONS ACCORDING TO THE RANGE OF GENERATING MAXIMUM DEMAND

| Range of Maximum Demand (kW) | State Electricity Board/Electricity Deptt. | | Power Corporation | |
|------------------------------|--|--|---------------------|--------------------------|
| | No. of undertakings | Aggregate Maximum Demand of the group (kW) | No. of undertakings | Aggregate Maximum Demand |
| Upto 50 | .. | .. | .. | .. |
| 51 to 250 | 1 | 99 | .. | .. |
| 251 to 500 | .. | .. | .. | .. |
| 501 to 1000 | 3 | 2,432 | .. | .. |
| 1001 to 2,500 | 3 | 4,607 | .. | .. |
| 2,501 to 5,000 | .. | .. | .. | .. |
| 5,001 to 10,000 | .. | .. | .. | .. |
| 10,001 to 25,000 | 1 | 22,440 | .. | .. |
| 25,001 to 50,000 | 2 | 88,811 | .. | .. |
| 50,001 to 100,000 | 1 | 88,270 | .. | .. |
| Over 100,000 | 11 | 5,841,374 | 1 | 925,700 |
| TOTAL | 22 | 6,048,033 | 1 | 925,700 |

TABLE 21—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 | | Generation (Million kWh) | Total capacity of Boilers (Tonnes per hour) | Average capacity of Boilers kg/hr/kW of generating capacity | Average overall thermal efficiency % | Average plant load factor % |
|--|----------------------------|--------------------------|---------------------|--------------------------|---|---|--------------------------------------|-----------------------------|
| | | Group total (kW) | Percentage of total | | | | | |
| Upto 1,000 | 4 | 2,570 | 0.05 | 0.455 | 7.578 | 2.95 | 2.91 | 2.0 |
| 1,001 to 10,000 | 30 | 163,910 | 3.32 | 384.301 | 946.513 | 5.77 | 11.70 | 26.8 |
| 10,001 to 50,000 | 32 | 746,330 | 15.10 | 2,705.321 | 3,754.732 | 5.03 | 16.70 | 41.4 |
| 50,001 to 100,000 | 7 | 537,400 | 10.88 | 2,277.022 | 2,809.560 | 5.23 | 21.73 | 48.4 |
| Over 100,000 | 16 | 3,491,275 | 70.65 | 13,928.345 | 14,205.867 | 4.07 | 26.12 | 45.5 |
| TOTAL | 89 | 4,941,485 | 100.00 | 19,295.444 | 21,724.250 | 4.40 | 23.16 | 44.6 |

TABLE 22—DISTRIBUTION OF STEAM POWER STATIONS ACCORDING TO OVERALL THERMAL EFFICIENCY

| Over all thermal efficiency | No. of generating stations | Aggregate installed capacity (kW) | Energy generated by the group (Million kWh) | Remarks |
|-----------------------------------|----------------------------|-----------------------------------|---|---------|
| Under 10% | 18 | 113,940 | 206.531 | |
| Above 10% but below 15% | 25 | 504,820 | 1,471.406 | |
| Above 15% but below 20% | 19 | 761,825 | 3,008.483 | |
| Above 20% but below 25% | 7 | 781,000 | 3,457.534 | |
| Above 25% but below 30% | 8 | 1,451,600 | 6,032.386 | |
| Above 30% | 7 | 1,316,500 | 5,119.104 | |
| TOTAL | 84 | 4,929,685 | 19,295.444 | |

NOTE.—5 power stations with aggregate capacity of 11,800 kW were idle and did not generate any electricity.

TABLE 23—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 (Kilo-litres) | Fuel consumption in Lit. kWh generated | Average plant load factor % |
|--|----------------------------|--------------------------|---------------------|---|--------------------------------|--|-----------------------------|
| | | Group total (kW) | Percentage of total | | | | |
| A. Gas Turbine Power Station— | | | | | | | |
| Upto 10,000 | 2 | 20,000 | 14.93 | 5.241 | 3,377 | 0.64 | 3.0 |
| 10,001 to 25,000 | 3 | 45,000 | 33.58 | 32.029 | 16,344 | 0.51 | 8.1 |
| 25,001 to 50,000 | .. | .. | .. | .. | .. | .. | .. |
| 50,001 to 100,000 | 1 | 69,000 | 51.49 | 43.190 | N.A. | N.A. | 7.1 |
| TOTAL | 6 | 134,000 | 100.00 | 80.460 | .. | .. | 6.9 |
| B. Diesel Power Stations— | | | | | | | |
| Upto 500 | 264 | 54,871 | 16.54 | 40.844 | 19,195 | 0.47 | 8.50 |
| 501 to 1,000 | 57 | 39,963 | 12.05 | 39.796 | 13,980 | 0.35 | 11.37 |
| 1,001 to 2,500 | 61 | 99,550 | 30.01 | 86.627 | 32,621 | 0.38 | 9.93 |
| 2,501 to 5,000 | 20 | 65,040 | 19.61 | 47.333 | 15,468 | 0.33 | 8.31 |
| 5,001 to 10,000 | 11 | 72,258 | 21.79 | 50.985 | 16,009 | 0.31 | 8.05 |
| Above 10,000 | .. | .. | .. | .. | .. | .. | .. |
| TOTAL | 413 | 331,682 | 100.00 | 265.585 | 97,273 | 0.37 | 9.14 |

TABLE 24—CLASSIFICATION OF HYDRO POWER STATIONS ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY

| Range of installed plant capacity | 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 | 28 | 5,369 | 0.11 | 10.513 | 22.35 |
| 1,001 to 10,000 | 18 | 66,042 | 1.38 | 269.819 | 46.64 |
| 10,001 to 50,000 | 28 | 910,086 | 19.03 | 2,944.537 | 36.93 |
| 50,001 to 100,000 | 8 | 561,250 | 11.74 | 1,684.508 | 34.26 |
| Over 100,000 | 15 | 3,239,200 | 67.74 | 11,824.721 | 41.67 |
| TOTAL | 97 | 4,781,947 | 100.00 | 16,734.098 | 39.95 |

TABLE 25—PLANT CAPACITY AND GENERATION BY A.C. AND D.C.

| System of generation | No. of generating stations | Installed capacity | | Generation (Million kWh) |
|--|----------------------------|-------------------------|---------------------|--------------------------|
| | | Aggregate capacity (kW) | Percentage of total | |
| Alternating current only | 589 | 10,177,600 | 99.88 | 36,364.789 |
| Alternating current and Direct current | 4 | { 1,816 { 1,568 | { 0.02 { 0.02 | 2.084* |
| Direct current | 12 | 8,130 | 0.08 | 8.714* |
| TOTAL | 605 | 10,189,114 | 100.00 | 36,375.587 |

*These figures do not include generation at Laksar, Saharanpur and Muradabad which is included in A.C. generation, as separate figures of generation by individual Power Stations have not been supplied by U.P.S.E.B.

TABLE 26—ANALYSIS OF GENERATING SETS ACCORDING TO TYPE OF PRIME MOVERS AND OWNERSHIP

| Type of Prime Mover | State Electricity Board/Electricity Department | | Power Corporation | | Municipality | | Company | | Total | | Percentage of total installed plant capacity |
|---------------------------------|--|-------------------------|-------------------|-------------------------|--------------|-------------------------|-------------|-------------------------|-------------|-------------------------|--|
| | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | |
| 1. Steam Turbines— | | | | | | | | | | | |
| A. C. Generator | 225 | 2,805,940 | 9 | 840,000 | 13 | 106,000 | 90 | 1,184,100 | 337 | 4,936,040 | 48.44 |
| D. C. Generator | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| SUB-TOTAL | 225 | 2,805,940 | 9 | 840,000 | 13 | 106,000 | 90 | 1,184,100 | 337 | 4,936,040 | 48.44 |
| 2. Reciprocating Steam Engines— | | | | | | | | | | | |
| A. C. Generator | 5 | 3,775 | .. | .. | .. | .. | 6 | 1,400 | 11 | 5,175 | 0.05 |
| D. C. Generator | .. | .. | .. | .. | .. | .. | 3 | 270 | 3 | 270 | 0.00 |
| SUB-TOTAL | 5 | 3,775 | .. | .. | .. | .. | 9 | 1,670 | 14 | 5,445 | 0.05 |
| 3. Gas Turbines— | | | | | | | | | | | |
| A. C. Generator | 9 | 134,000 | .. | .. | .. | .. | .. | .. | 9 | 134,000 | 1.32 |
| D. C. Generator | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| SUB-TOTAL | 9 | 134,000 | .. | .. | .. | .. | .. | .. | 9 | 134,000 | 1.32 |
| 4. Diesel Engines— | | | | | | | | | | | |
| A. C. Generator | 1,255 | 246,744 | .. | .. | 67 | 32,337 | 147 | 43,173 | 1,469 | 322,254 | 3.16 |
| D. C. Generator | 30 | 4,390 | .. | .. | .. | .. | 36 | 5,038 | 66 | 9,428 | 0.10 |
| SUB-TOTAL | 1,285 | 251,134 | .. | .. | 67 | 32,337 | 183 | 48,211 | 1,535 | 331,682 | 3.26 |
| 5. Water Turbines— | | | | | | | | | | | |
| A. C. Generators | 256 | 4,392,577 | 6 | 104,000 | 21 | 7,860 | 24 | 277,510 | 307 | 4,781,947 | 46.93 |
| D. C. Generators | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| SUB-TOTAL | 256 | 4,392,577 | 6 | 104,000 | 21 | 7,860 | 24 | 277,510 | 307 | 4,781,947 | 46.93 |
| 6. Total— | | | | | | | | | | | |
| A. C. Generators | 1,750 | 7,583,036 | 15 | 944,000 | 101 | 146,197 | 267 | 1,506,183 | 2,133 | 10,179,416 | 99.90 |
| D. C. Generators | 30 | 4,390 | .. | .. | .. | .. | 39 | 5,308 | 69 | 9,698 | 0.10 |
| GRAND TOTAL | 1,780 | 7,587,426 | 15 | 944,000 | 101 | 146,197 | 306 | 1,511,491 | 2,202 | 10,189,114 | 100.00 |

TABLE 27—CLASSIFICATION OF STEAM POWER PLANT ACCORDING TO THE SIZE OF THE SETS

7-1 CW & PC/69

| Size of generating sets | PUBLIC SECTOR | | | | | | PRIVATE SECTOR | | Total | | Percentage of total steam plant |
|-------------------------|--|-------------------------------|-------------------|-------------------------------|--------------|-------------------------------|----------------|-------------------------------|-------------|-------------------------------|---------------------------------|
| | State Electricity Board/Electricity Department | | 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) A. C. Plant— | | | | | | | | | | | |
| Under 1,000 kW | 32 | 24,700 | .. | .. | .. | .. | 11 | 5,900 | 43 | 30,600 | 0.619 |
| 1,001 to 2,000 kW | 30 | 47,340 | .. | .. | 3 | 5,500 | 16 | 23,600 | 49 | 76,440 | 1.547 |
| 2,001 to 5,000 kW | 82 | 311,675 | .. | .. | 3 | 10,500 | 23 | 89,500 | 108 | 411,675 | 8.331 |
| 5,001 to 10,000 kW | 22 | 194,750 | .. | .. | 5 | 38,400 | 15 | 106,500 | 42 | 339,650 | 6.873 |
| 10,001 to 15,000 kW | 22 | 311,500 | .. | .. | 1 | 15,000 | 12 | 172,500 | 35 | 499,000 | 10.098 |
| 15,001 to 20,000 kW | 6 | 120,750 | .. | .. | .. | .. | 4 | 80,000 | 10 | 200,750 | 4.063 |
| 20,001 to 30,000 kW | 15 | 450,000 | .. | .. | .. | .. | 9 | 270,000 | 24 | 720,000 | 14.571 |
| 30,001 to 50,000 kW | 8 | 400,000 | .. | .. | 1 | 36,600 | 2 | 100,000 | 11 | 536,600 | 10.859 |
| Over 50,000 kW | 13 | 949,000 | 9 | 840,000 | .. | .. | 4 | 337,500 | 26 | 2,126,500 | 43.034 |
| SUB-TOTAL | 230 | 2,809,715 | 9 | 840,000 | 13 | 106,000 | 96 | 1,185,500 | 348 | 4,941,215 | 99.995 |
| (2) D. C. Plant— | | | | | | | | | | | |
| 201 to 300 kW | .. | .. | .. | .. | .. | .. | 3 | 270 | 3 | 270 | 0.005 |
| TOTAL | 230 | 2,809,715 | 9 | 840,000 | 13 | 106,000 | 99 | 1,185,770 | 351 | 4,941,485 | 100.000 |

TABLE 28—CLASSIFICATION OF GAS TURBINE AND DIESEL POWER PLANT ACCORDING TO THE SIZE OF THE SETS (OWNERSHIP-WISE)

| Size of generating sets | PUBLIC SECTOR | | | | | | PRIVATE SECTOR | | | | Percentage of total plant capacity |
|----------------------------|--|-------------------------------|-------------------|-------------------------------|--------------|-------------------------------|----------------|-------------------------------|-------------|-------------------------------|------------------------------------|
| | State Electricity Board/Electricity Department | | Power Corporation | | Municipality | | Company | | Total | | |
| | 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 | 8.59 |
| Above 10,000 kW | 5 | 94,000 | .. | .. | .. | .. | .. | .. | 5 | 94,000 | 20.18 |
| <i>2. D. C. Plant—</i> | | | | | | | | | | | |
| | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| SUB-TOTAL | 9 | 134,000 | .. | .. | .. | .. | .. | .. | 9 | 134,000 | 28.77 |
| <i>Diesel Power Plant—</i> | | | | | | | | | | | |
| <i>1. A. C. Plant—</i> | | | | | | | | | | | |
| Under 200 kW | 893 | 73,759 | .. | .. | 30 | 3,048 | 79 | 8,887 | 1,002 | 85,694 | 18.40 |
| 201 to 500 kW | 243 | 75,153 | .. | .. | 16 | 4,789 | 44 | 14,344 | 303 | 94,286 | 20.25 |
| 501 to 1,000 kW | 102 | 73,515 | .. | .. | 6 | 3,680 | 17 | 12,054 | 125 | 89,249 | 19.16 |
| 1,001 to 2,000 kW | 17 | 24,317 | .. | .. | 10 | 10,120 | 7 | 7,888 | 34 | 42,325 | 9.09 |
| 2,001 to 5,000 kW | .. | .. | .. | .. | 5 | 10,700 | .. | .. | 5 | 10,700 | 2.30 |
| SUB-TOTAL | 1,255 | 246,744 | .. | .. | 67 | 32,337 | 147 | 43,173 | 1,469 | 322,254 | 69.20 |
| <i>2. D. C. Plant—</i> | | | | | | | | | | | |
| Under 200 kW | 25 | 2,566 | .. | .. | .. | .. | 27 | 2,488 | 52 | 5,054 | 1.09 |
| 201 to 500 kW | 5 | 1,824 | .. | .. | .. | .. | 9 | 2,550 | 14 | 4,374 | 0.94 |
| 501 to 1,000 kW | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 1,001 to 2,000 kW | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 2,001 to 5,000 kW | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| SUB-TOTAL | 30 | 4,390 | .. | .. | .. | .. | 36 | 5,038 | 66 | 9,428 | 2.03 |
| TOTAL | 1,294 | 385,134 | .. | .. | 67 | 32,337 | 183 | 48,211 | 1,544 | 465,682 | 100.00 |

TABLE 29—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/Electricity Department | | 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) A. C. Plant— | | | | | | | | | | | |
| Under 1,000 kW . | 61 | 12,327 | .. | .. | 21 | 7,860 | 6 | 1,510 | 88 | 21,697 | 0.45 |
| 1,001 to 2,000 kW . | 12 | 18,800 | 2 | 4,000 | .. | .. | .. | .. | 14 | 22,800 | 0.48 |
| 2,001 to 5,000 kW . | 26 | 150,200 | .. | .. | .. | .. | .. | .. | 26 | 150,200 | 3.15 |
| 5,001 to 10,000 kW . | 51 | 411,050 | .. | .. | .. | .. | .. | .. | 51 | 411,050 | 8.59 |
| 10,001 to 15,000 kW . | 27 | 340,100 | .. | .. | .. | .. | 12 | 144,000 | 39 | 484,100 | 10.12 |
| 15,001 to 20,000 kW . | 12 | 205,000 | 3 | 60,000 | .. | .. | .. | .. | 15 | 265,000 | 5.54 |
| 20,001 to 30,000 kW . | 26 | 691,900 | .. | .. | .. | .. | 6 | 132,000 | 32 | 823,900 | 17.23 |
| 30,001 to 50,000 kW . | 22 | 990,000 | 1 | 40,000 | .. | .. | .. | .. | 23 | 1,030,000 | 21.54 |
| Over 50,000 kW . | 19 | 1,573,200 | .. | .. | .. | .. | .. | .. | 19 | 1,573,200 | 32.90 |
| SUB-TOTAL . | 256 | 4,392,577 | 6 | 104,000 | 21 | 7,860 | 24 | 277,510 | 307 | 4,781,947 | 100.00 |
| (2) D. C. Plant— | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| TOTAL . | 256 | 4,392,577 | 6 | 104,000 | 21 | 7,860 | 24 | 277,510 | 307 | 4,781,947 | 100.00 |

TABLE 30—CLASSIFICATION OF GENERATING SETS ACCORDING TO VOLTAGE OF GENERATION

| Sl. No. | No. of phases | Voltage of generation | Type of plant | PUBLIC SECTOR | | | | | | PRIVATE SECTOR | | Total | |
|---------|---------------|---|---------------|--|-------------------------|-------------------|-------------------------|--------------|-------------------------|----------------|-------------------------|-------------|-------------------------|
| | | | | State Electricity Board/Electricity Department | | Power Corporation | | Municipality | | Company | | | |
| | | | | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) | No. of sets | Aggregate capacity (kW) |
| 1 | 3 | Alternating Current— 33 kV | S | .. | .. | .. | .. | .. | .. | 10 | 330,000 | 10 | 330,000 |
| 2 | 3 | 10.5 to 13.8 kV | S | 108 | 2,242,125 | 9 | 840,000 | 4 | 69,600 | 22 | 570,000 | 143 | 3,721,725 |
| | | | G | 9 | 134,000 | .. | .. | .. | .. | .. | .. | 9 | 134,000 |
| 3 | 3 | 6 to 6.6 kV | H | 179 | 4,287,150 | 6 | 104,000 | .. | .. | 6 | 132,000 | 191 | 4,523,150 |
| | | | S | 74 | 458,290 | .. | .. | 9 | 36,400 | 22 | 193,000 | 105 | 687,690 |
| 4 | 3 | 5 to 5.5 kV | H | 14 | 31,000 | .. | .. | 2 | 1,000 | .. | .. | 16 | 32,000 |
| | | | S | 2 | 27,500 | .. | .. | .. | .. | .. | .. | 2 | 27,500 |
| 5 | 3 | 3 to 3.9 kV | H | .. | .. | .. | .. | .. | .. | 12 | 144,000 | 12 | 144,000 |
| | | | S | 37 | 69,200 | .. | .. | .. | .. | 40 | 88,725 | 77 | 157,925 |
| 6 | 3 | 2 to 2.3 kV | H | 6 | 9,248 | .. | .. | 7 | 2,110 | 2 | 960 | 15 | 12,318 |
| | | | S | 2 | 3,000 | .. | .. | .. | .. | .. | .. | 2 | 3,000 |
| 7 | 3 | 400 to 460 V | H | 16 | 60,224 | .. | .. | 5 | 1,750 | 4 | 550 | 25 | 62,524 |
| | | | S | 7 | 9,600 | .. | .. | .. | .. | 2 | 3,775 | 9 | 13,375 |
| 8 | 1 | 230 Volts | H | 40 | 4,943 | .. | .. | 7 | 3,000 | .. | .. | 47 | 7,943 |
| | | | S | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | | H | 1 | 12 | .. | .. | .. | .. | .. | .. | 1 | 12 |
| 9 | 3 | Direct Current— Wire 400-500V | S | .. | .. | .. | .. | .. | .. | 3 | 270 | 3 | 270 |
| | | | H | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 10 | 2 | Wire 220 V | S | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | | H | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | | | H | .. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 11 | 3 | Diesel Alternating Current— 6.6 kV & above | | 29 | 27,507 | .. | .. | 15 | 20,820 | 8 | 7,320 | 52 | 55,647 |
| 12 | 3 | Below 6.6 kV . | | 1,226 | 219,237 | .. | .. | 52 | 11,517 | 139 | 35,853 | 1,417 | 266,607 |
| | | Direct Current— | | 30 | 4,390 | .. | .. | .. | .. | 36 | 5,038 | 66 | 9,428 |
| | | SUB-TOTAL | S | 230 | 2,809,715 | 9 | 840,000 | 13 | 106,000 | 99 | 1,185,770 | 351 | 4,941,485 |
| | | | G | 9 | 134,000 | .. | .. | .. | .. | .. | .. | 9 | 134,000 |
| | | | H | 256 | 4,392,577 | 6 | 104,000 | 21 | 7,860 | 24 | 277,510 | 307 | 4,781,947 |
| | | | D | 1,285 | 251,134 | .. | .. | 67 | 32,337 | 183 | 48,211 | 1,535 | 331,682 |
| | | TOTAL | | 1,780 | 7,587,426 | 15 | 944,000 | 101 | 146,197 | 306 | 1,511,491 | 2,202 | 10,189,114 |

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

TABLE 31—FUEL CONSUMPTION

| Sl. No. | Name of State/Union Territory/Power Corporation | Steam Power Station | | | | | | Gas Turbine and Diesel Power Station | | |
|---------|---|---------------------|---------------------------|-----------------------------------|---------------------------|-----------------------------|--|--------------------------------------|--------------------------|---|
| | | Coal (Tonnes) | Furnace oil (Kilo liters) | Natural and other gaseous fuel | Heat input (K. cal × 109) | Generation in (million kWh) | Average heat input in Kilo cal/kWh generated | Oil consumption (Kilo liters) | Generation (million kWh) | Average oil consumption in lit./kWh generated |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| 1 | Andhra Pradesh . | 635,648 | 20,434 | .. | 3,152·848 | 763·479 | 4,130 | 10,815† | 20·675 | 0·52 |
| 2 | Assam . . . | .. | .. | .. | .. | .. | .. | *9,232‡ | 67·899¶ | 0·37§ |
| 3 | Bihar . . . | 276,012 | 22,909 | .. | 1,697·426 | 394·248 | 4,305 | 8,101 | 24·118 | 0·33 |
| 4 | Gujarat . . . | 944,534 | 249,508 | 112,056 (cub. met. × 10³) | 8,815·614 | 2,474·894 | 3,562 | 7,059 | 16·930 | 0·42 |
| 5 | Jammu & Kashmir . | | No | data | available | | | *1,176 | 0·294 | 0·40 |
| 6 | Kerala . . . | .. | .. | .. | .. | .. | .. | 125 | 0·376 | 0·34 |
| 7 | Madhya Pradesh . | 1,235,485 | 3,360 | .. | 5,847·775 | 1,323·853 | 4,417 | 5,615 | 14·288 | 0·39 |
| 8 | Madras . . . | 2,097,970@ | 17,724 | .. | 6,164·989 | 1,839·314 | 3,352 | .. | .. | .. |
| 9 | Maharashtra . . | 1,354,337 | 267,581 | 12,218* (tonnes) | 9,677·636 | 2,511·272 | 3,854 | 15,896 | 47·869 | 0·33 |
| 10 | Mysore . . . | .. | .. | .. | .. | .. | .. | 1,088 | 3·216 | 0·34 |
| 11 | Nagaland . . . | .. | .. | .. | .. | .. | .. | 752 | 1·877 | 0·40 |
| 12 | Orissa . . . | 5,000 | .. | .. | 25·000 | 5·006 | 4,994 | 315 | 0·754 | 0·42 |
| 13 | Punjab . . . | 35,324 | .. | .. | 187·445 | 54·768 | 3,423 | 915 | 2·900 | 0·32 |
| 14 | Rajasthan . . . | 150,573 | 1,992 | .. | 921·859 | 111·564 | 8,263 | 18,479†† | 48·284 | 0·38 |
| 15 | Uttar Pradesh . . | 1,410,220 | .. | .. | 8,234·866 | 1,583·298 | 5,201 | 17,233§ | 40·936 | 0·42 |
| 16 | West Bengal . . | 2,453,926 | 28,557 | 1,932·000 (cub. met. × 10³) | 14,118·853 | 3,791·886 | 3,723 | 7,091 | 20·359 | 0·35 |

TABLE 31—FUEL CONSUMPTION—contd.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
|----|---|------------|---------|--|------------|------------|--------|---------|---------|--------|
| 17 | Union Territories— | | | | | | | | | |
| | (a) Delhi | 306,285 | 6,687 | .. | 1,793·945 | 426·244 | 4,209 | 4,952 | 15·574 | 0·32 |
| | (b) Andaman & Nicobar Islands | 17,055** | .. | .. | 21·319 | 1·543 | 13,817 | 386 | 1·141 | 0·34 |
| | (c) Goa, Daman & Diu | .. | .. | .. | .. | .. | .. | 3,170 | 8·671 | 0·37 |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (e) Himachal Pradesh | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (f) Laccadive, Minicoy & Amindive Islands | .. | .. | .. | .. | .. | .. | 61 | 0·112 | 0·54 |
| | (g) Manipur | .. | .. | .. | .. | .. | .. | 2,422 | 3·414 | 0·71 |
| | (h) N.E.F.A. | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (j) Tripura | .. | .. | .. | .. | .. | .. | 2,111 | 6·358 | 0·33 |
| 18 | Damodar Valley Corporation | 2,109,127 | 7,482 | .. | 11,173·600 | 4,014·075 | 2,783 | .. | .. | .. |
| | TOTAL—ALL INDIA | 13,031,496 | 626,234 | 2,044·056 cub. met. × 10 ³ plus 12,218 tonnes | 71,833·175 | 19,295,444 | 3,742 | 116,994 | 346·045 | 0·39/5 |

*Estimated.

**Wood.

@Includes 1,781,360 tonnes of lignite.

†Includes 9,305 kl of oil used by Gas turbine plant.

‡The gas turbines of Naharkatiya consume gas and not diesel oil. The figure represents, therefore, the diesel oil used by only the diesel stations of Assam.

¶Includes 43·190 million kWh generated by gas turbines at Naharkatiya.

§Includes 7,039 kl of oil used by gas turbine plant.

\$The average oil consumption per kWh is calculated by taking the generation and diesel oil consumption figures of (i) the diesel station and (ii) those gas turbine plants which work on diesel oil.

††Includes 3,377 kl of oil used by the gas turbine plant.

TABLE 32—UTILISATION OF ELECTRICITY GENERATED AND PURCHASED

| Sl. No. | Item | Energy (Million kWh) | Percentage of item 3 |
|---------|--|----------------------|----------------------|
| 1 | Energy generated | 36,375·587 | 99·8 |
| 2 | Energy purchased from non-utilities | 55·517 | 0·2 |
| 3 | Total (1+2) | 36,431·104 | 100·0 |
| 4 | Energy used by Power Station auxiliaries | 1,792·618 | 4·9 |
| 5 | Energy sent out (3-4) | 34,638·486 | 95·1 |
| 6 | Energy sold to ultimate consumers | 29,127·636 | 80·0 |
| 7 | Energy lost in transformation, transmission and distribution and unaccounted for | 5,510·850 | 15·1 |

TABLE 33—ENERGY GENERATION, PURCHASE AND UTILISATION BY THE

| Sl. No. | Name of the State Electricity Board/ Electricity Deptt./Power Corporation | Energy generated (Million kWh) | ENERGY PURCHASED M. kWh | | | Energy used by power station auxiliaries (M.kWh) 7 |
|---------|--|-----------------------------------|--|-----------------------|----------------------------|--|
| | | | From non-electric utilities 4 | From Public Utilities | | |
| | | | | Licensees 5 | Adjoin- ing States 6 | |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1 | Andhra Pradesh* | 1,601·102 | 1·787 | .. | 46·039 | 68·564 |
| 2 | Assam | 128·122 | .. | .. | .. | 4·270 |
| 3 | Bihar | 315·394 | 3·387 | .. | 1,058·523 | 30·540 |
| 4 | Gujarat | 1,513·959 | 0·778 | 19·997 | .. | 140·242 |
| 5 | Jammu & Kashmir | 110·464 | .. | .. | 45·306 | 1·141 |
| 6 | Kerala | 1,083·113 | .. | .. | 77·991 | 14·941 |
| 7 | Madhya Pradesh†. | 1,382·854 | 6·685 | .. | 73·293 | 105·067 |
| 8 | Madras | 3,939·711 | .. | .. | 569·894 | 212·847 |
| 9 | Maharashtra | 4,006·459 | .. | 562·930 | .. | 127·666 |
| 10 | Mysore | 2,458·628 | .. | .. | 56·015 | 7·780 |
| 11 | Nagaland | 1·877 | .. | .. | .. | 0·017 |
| 12 | Orissa | 651·920 | 44·880 | .. | 205·115 | 5·402 |
| 13 | Punjab & Haryana‡ | 3,798·135 | .. | .. | .. | 15·157 |
| 14 | Rajasthan | 142·935 | .. | 8·884 | 283·154 | 12·156 |
| 15 | Uttar Pradesh | 3,123·937 | .. | 14·248 | 424·856 | 114·487 |
| 16 | West Bengal | 1,787·988 | .. | 5·438 | 27·088 | 180·269 |
| 17 | Union Territories— | | | | | |
| | (a) Delhi (D.E.S.U.) | 441·818 | .. | .. | 411·943 | 43·306 |
| | (b) Andaman & Nicobar Islands | 2·684 | .. | .. | .. | 0·261 |
| | (c) Goa, Daman and Diu | 4·461 | .. | .. | 10·864 | 0·255 |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | 0·217 | .. |
| | (e) Himachal Pradesh | 3·258 | .. | .. | 37·092 | 0·025 |
| | (f) Laccadive, Minicoy and Amendive Islands | 0·112 | .. | .. | .. | 0·006 |
| | (g) Manipur | 3·414 | .. | .. | .. | 0·204 |
| | (h) N.E.F.A. | Data | .. | not | available | .. |
| | (i) Pondicherry | .. | .. | .. | 53·780 | .. |
| | (j) Tripura | 6·358 | .. | .. | .. | 0·094 |
| 18 | Damodar Valley Corporation | 4,134·096 | .. | .. | 64·591 | 398·181 |
| | All State Electricity Boards/Electricity Deptts./DESU/Power Corporation | 30,642·799 | 55·517 | 611·497 | .. | 1,482·878 |

* Gross generation of Muchkund, Tungabhadra Right Bank and Hampi Power Stations has been shown in Andhra Pradesh.

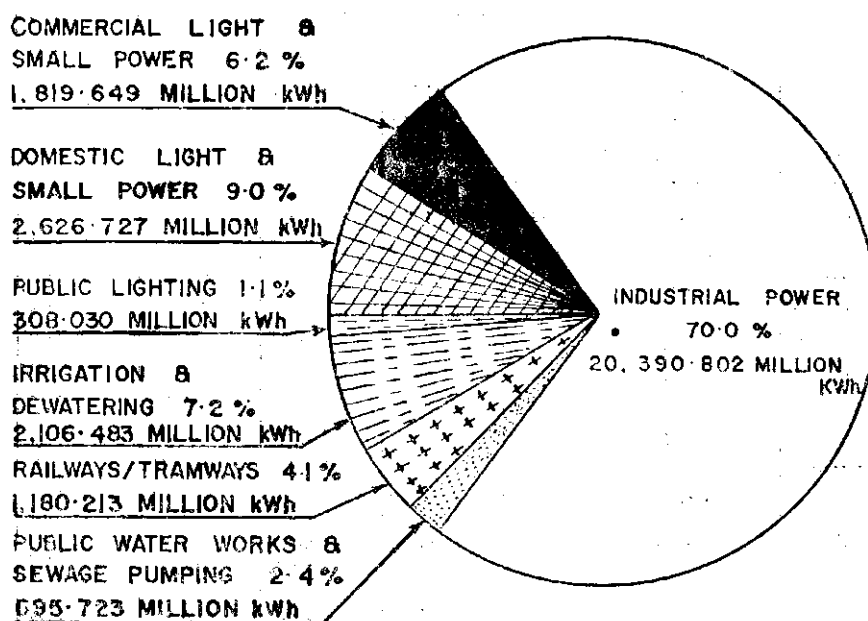
† Gross generation of Gandhisagar Power House has been shown in Madhya Pradesh.

‡ Gross generation of Bhakra Project has been shown in Punjab.

STATE ELECTRICITY BOARDS/ELECTRICITY DEPARTMENTS AND POWER CORPORATION

| Energy sent out (cols. 3+4+5+6 (-) Col. 7) (Million kWh) 8 | ENERGY SOLD (Million kWh) | | | | Energy lost in transformation, transmission and distribution and unaccounted for | |
|---|---------------------------|---------------------|--|-----------------------|--|----------------------------|
| | To Licensees | To adjoining States | To ultimate consumers of State Elec. Boards/ electricity Deptts./Power Corporation | Total (Cols. 9+10+11) | Million kWh (Col. 8-Col.12) 13 | Percentage of Col. 8 14 |
| | 9 | 10 | 11 | 12 | | |
| 1,580·364 | .. | 139·580 | 1,020·849 | 1,160·429 | 419·935 | 26·56 |
| 123·852 | 5·090 | .. | 87·060 | 92·150 | 31·702 | 25·60 |
| 1,346·764 | 97·481 | 180·289 | 934·347 | 1,212·117 | 134·647 | 10·00 |
| 1,394·492 | 320·351 | 0·957 | 867·220 | 1,188·528 | 205·964 | 14·77 |
| 154·629 | .. | .. | 133·730 | 133·730 | 20·899 | 13·52 |
| 1,146·163 | 47·318 | 10·884 | 857·709 | 915·911 | 230·252 | 20·09 |
| 1,357·765 | 19·805 | 65·650 | 1,104·005 | 1,189·460 | 168·305 | 12·40 |
| 4,296·758 | 357·100 | 154·028 | 3,106·760 | 3,617·888 | 678·870 | 15·80 |
| 4,441·723 | 2,275·718 | 57·940 | 1,565·843 | 3,899·501 | 542·222 | 12·21 |
| 2,506·863 | 28·162 | 589·072 | 1,479·475 | 2,096·709 | 410·154 | 16·36 |
| 1·860 | .. | .. | 1·744 | 1·744 | 0·116 | 6·24 |
| 894·513 | .. | 1·949 | 765·482 | 767·431 | 127·082 | 14·21 |
| 3,782·978 | 72·376 | 710·476 | 2,485·668 | 3,268·520 | 514·458 | 13·60 |
| 422·817 | 27·131 | .. | 296·252 | 323·383 | 99·434 | 23·52 |
| 3,448·554 | 255·297 | 58·350 | 2,520·804 | 2,834·451 | 614·103 | 17·81 |
| 1,640·245 | 428·590 | 102·497 | 993·502 | 1,524·589 | 115·656 | 7·05 |
| 810·455 | 176·553 | 13·280 | 523·720 | 713·553 | 96·902 | 11·96 |
| 2·423 | .. | .. | 2·036 | 2·036 | 00·387 | 15·97 |
| 15·070 | .. | .. | 11·924 | 11·924 | 3·146 | 20·88 |
| 0·217 | .. | .. | 0·196 | 0·196 | 0·021 | 9·68 |
| 40·325 | .. | .. | 35·722 | 35·722 | 4·603 | 11·41 |
| 0·106 | .. | .. | 0·096 | 0·096 | 0·010 | 9·43 |
| 3·210 | .. | .. | 2·356 | 2·356 | 0·854 | 26·60 |
| 53·780 | Data .. | .. | not 45·610 | 45·610 | available 8·170 | 15·19 |
| 6·264 | .. | .. | 5·042 | 5·042 | 1·222 | 19·51 |
| 3,900·506 | 928·853 | 1,460·809 | 1,328·560 | 3,718·222 | 182·284 | 4·67 |
| 29,826·935 | 5,039·825 | .. | 20,175·712 | 25,215·537 | 4,611·398 | 15·46 |

ENERGY SALES IN 1966-67



TOTAL SALES, DURING THE YEAR

29,127,636 MILLION kWh

TABLE 34—ENERGY SALES 1966-67 (CATEGORY-WISE)

| Sl. No. | Category | Energy sold in 1966-67 (Million kWh) | Percentage to total Sales | Energy sold in 1965-66 (Million kWh) | Percentage increase over 1965-66 sales |
|---------|---|--------------------------------------|---------------------------|--------------------------------------|--|
| 1 | Domestic light and small power | 2626·727 | 9·0 | 2,355·139 | 11·5 |
| 2 | Commercial light and small power | 1819·649 | 6·2 | 1,650·073 | 10·3 |
| 3 | Industrial power | 20,390·802 | 70·0 | 18,875·885 | 8·0 |
| 4 | Public lighting | 308·030 | 1·1 | 279·569 | 10·2 |
| 5 | Railway/Tramways | 1,180·213 | 4·1 | 1,057·282 | 11·6 |
| 6 | Irrigation and dewatering | 2,106·483 | 7·2 | 1,891·835 | 11·3 |
| 7 | Public water works and sewage pumping | 695·732 | 2·4 | 625·161 | 11·3 |
| | TOTAL | 29,127·636 | 100·00 | 26,734·944 | 8·9 |

TABLE 35—ENERGY SALES
(Million kWh)

| Sl. No. | Name of the State/Union Territories | Total sold to ultimate consumers | Domestic light and fans | Domestic heat & small power | Commercial light and fans |
|---------|--|----------------------------------|-------------------------|-----------------------------|---------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Andhra Pradesh | 1,020·849 | 78·865 | 2·174 | 140·883 |
| 2 | Assam | 103·278 | 40·291 | 1·592 | 7·507 |
| 3 | Bihar | 2,121·886 | 53·481 | 11·156 | 70·733 |
| 4 | Gujarat | 2,019·009 | 131·143 | 24·223 | 46·952 |
| 5 | Jammu & Kashmir | 133·730 | 44·650 | 3·160 | 13·040 |
| 6 | Kerala | 901·278 | 53·476 | 10·935 | 31·962 |
| 7 | Madhya Pradesh | 1,164·022 | 80·513 | 7·137 | 33·779 |
| 8 | Madras | 3,405·192 | 175·515 | 50·028 | 187·129 |
| 9 | Maharashtra | 5,176·211 | 324·796 | 169·743 | 273·717 |
| 10 | Mysore | 1,503·942 | 120·165 | 29·871 | 26·119 |
| 11 | Nagaland | 1·744 | 0·866 | .. | 0·523 |
| 12 | Orissa | 765·482 | 24·400 | 8·091 | 19·500 |
| 13 | Punjab & Haryana | 2,555·407 | 123·823 | 4·234 | 87·401 |
| 14 | Rajasthan | 318·810 | 36·915 | 2·965 | 34·703 |
| 15 | Uttar Pradesh | 2,852·494 | 198·802 | 15·404 | 75·508 |
| 16 | West Bengal | 4,280·091 | 432·881 | 129·904 | 149·002 |
| 17 | Union Territories | | | | |
| | (a) Delhi | 693·234 | 139·599 | 74·369 | 83·120 |
| | (b) Andaman & Nicobar Islands | 2·036 | 1·023 | 0·020 | .. |
| | (c) Goa, Daman & Diu | 15·720 | 1·987 | 0·259 | 2·523 |
| | (d) Dadra & Nagar Haveli | 0·196 | 0·092 | .. | .. |
| | (e) Himachal Pradesh* | 35·722 | 7·178 | 2·390 | 5·404 |
| | (f) Laccadive Minicoy & Amindive Islands | 0·096 | 0·052 | 0·001 | 0·22 |
| | (g) Manipur* | 2·356 | 1·795 | 0·061 | 0·028 |
| | (h) N.E.F.A. | Data | | not | available |
| | (i) Pondicherry | 49·809 | 2·712 | 0·288 | 2·615 |
| | (j) Tripura* | 5·042 | 3·702 | .. | 0·030 |
| | TOTAL | 29,127·636 | 20,78·722 | 548·005 | 1,292·200 |

*Data estimated.

(STATES/UNION TERRITORIES)

(Million kWh)

| Commercial heat and small power | Industrial power at low medium voltage | Industrial power at high voltage | Public lighting | Railways/ Tramways | Irrigation and Dewatering | Public Water Works and Sewage Pumping |
|---------------------------------|--|----------------------------------|-----------------|--------------------|---------------------------|---------------------------------------|
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 37·637 | 89·018 | 457·634 | 18·721 | .. | 172·400 | 23·517 |
| 1·415 | 16·312 | 29·953 | 3·641 | .. | N. A. | 2·567 |
| 13·880 | 106·553 | 1,393·522 | 4·867 | 388·411 | 49·249 | 30·034 |
| 17·675 | 238·501 | 1,272·966 | 26·197 | .. | 193·430 | 76·922 |
| 8·850 | 23·700 | 9·640 | 1·830 | .. | 6·680 | 22·180 |
| 6·272 | 82·088 | 667·757 | 13·409 | .. | 30·462 | 4·917 |
| 7·677 | 102·025 | 862·716 | 14·046 | .. | 17·883 | 38·246 |
| 126·147 | 226·495 | 1,768·673 | 50·974 | 27·920 | 763·096 | 29·215 |
| 133·049 | 519·977 | 3,086·069 | 41·804 | 435·787 | 113·589 | 77·680 |
| 7·941 | 143·944 | 982·915 | 36·642 | .. | 63·398 | 92·947 |
| .. | 0·122 | .. | 0·126 | .. | .. | 0·107 |
| 6·578 | 23·695 | 663·934 | 3·106 | 10·523 | 1·309 | 4·346 |
| 1·140 | 357·886 | 1,703·288 | 11·828 | .. | 257·126 | 8·681 |
| 7·244 | 53·547 | 113·719 | 7·698 | .. | 29·378 | 32·641 |
| 49·891 | 391·773 | 1,609·969 | 20·653 | 34·975 | 380·252 | 75·267 |
| 44·410 | 245·160 | 2,838·342 | 32·339 | 282·597 | 7·625 | 117·831 |
| 51·585 | 120·602 | 134·682 | 17·383 | .. | 6·056 | 65·838 |
| 0·159 | 0·524 | .. | 0·087 | .. | .. | 0·223 |
| 3·040 | 1·544 | 4·971 | 0·726 | .. | 0·022 | 0·648 |
| .. | 0·059 | .. | 0·031 | .. | 0·014 | .. |
| 1·799 | 0·304 | 17·565 | 0·933 | .. | .. | 0·149 |
| 0·001 | 0·002 | .. | 0·018 | .. | .. | .. |
| 0·047 | 0·270 | 0·081 | 0·046 | .. | .. | 0·028 |
| .. | .. | .. | .. | .. | .. | .. |
| 0·587 | 2·925 | 24·630 | 0·790 | .. | 14·514 | 0·748 |
| 0·425 | 0·750 | .. | 0·135 | .. | .. | .. |
| 527·449 | 2,747·776 | 17,643·026 | 308·030 | 1,180·213 | 2,106·483 | 695·732 |

TABLE 36—ENERGY SALES BY THE STATE ELECTRICITY BOARDS/

| Sl. No. | Name of State/Union Territory/ Power Corporation | Total sold to ultimate consumers | Domestic light & fans | Domestic heat and small power | Commercial light and fans |
|---------|--|--|-----------------------------|-------------------------------------|---------------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Andhra Pradesh | 1,020·849 | 78·865 | 2·174 | 140·883 |
| 2 | Assam | 87·060 | 35·920 | 1·410 | 2·300 |
| 3 | Bihar | 934·347 | 22·578 | 7·526 | 28·162 |
| 4 | Gujarat | 867·220 | 59·042 | 5·280 | 12·535 |
| 5 | Jammu & Kashmir | 133·730 | 44·650 | 3·160 | 13·040 |
| 6 | Kerala | 857·709 | 40·823 | 8·452 | 30·087 |
| 7 | Madhya Pradesh | 1,104·005 | 69·377 | 5·527 | 31·920 |
| 8 | Madras | 3,106·760 | 122·110 | 41·530 | 145·330 |
| 9 | Maharashtra | 1,565·843 | 84·109 | 16·243 | 51·900 |
| 10 | Mysore | 1,479·475 | 112·995 | 28·943 | 22·165 |
| 11 | Nagaland | 1·744 | 0·866 | .. | 0·523 |
| 12 | Orissa | 765·482 | 24·400 | 8·091 | 19·500 |
| 13 | Punjab & Haryana | 2,485·668 | 108·047 | .. | 78·381 |
| 14 | Rajasthan | 296·252 | 28·674 | 2·138 | 33·687 |
| 15 | Uttar Pradesh | 2,520·804 | 137·607 | 8·249 | 33·889 |
| 16 | West Bengal | 993·502 | 24·859 | 2·138 | 21·967 |
| 17 | Union Territories— | | | | |
| | (a) Delhi (DESU) | 523·720 | 104·607 | 51·651 | 65·624 |
| | (b) Andaman & Nicobar Islands | 2·036 | 1·023 | 0·020 | .. |
| | (c) Goa, Daman & Diu | 11·924 | 1·568 | 0·169 | 2·066 |
| | (d) Dadra & Nagar Haveli | 0·196 | 0·092 | .. | .. |
| | (e) Himachal Pradesh* | 35·722 | 7·178 | 2·390 | 5·404 |
| | (f) Laccadive, Minicoy & Amindive Islands] | 0·096 | 0·052 | 0·001 | 0·022 |
| | (g) Manipur* | 2·356 | 1·795 | 0·061 | 0·028 |
| | (h) N.E.F.A. | Data | | not | available |
| | (i) Pondicherry | 45·610 | 2·390 | 0·280 | 2·540 |
| | (j) Tripura* | 5·042 | 3·702 | .. | 0·030 |
| 18 | Damodar Valley Corporation | 1,328·560 | .. | .. | 9·101 |
| | ALL INDIA | 20,175·712 | 1,117·329 | 195·433 | 751·084 |

*Data estimated.

ELECTRICITY DEPARTMENTS/POWER CORPORATION

(Million kWh)

| Commercial heat & small power | Industrial power at low and medium voltage | Industrial power at high voltage | Public lighting | Railways/ Tramways | Irrigation & Dewatering | Public Water Works and Sewage Pumping |
|-------------------------------------|---|--|--------------------|-----------------------|-------------------------------|--|
| 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| 37·637 | 89·018 | 457·634 | 18·721 | .. | 172·400 | 23·517 |
| 0·730 | 13·090 | 28·190 | 2·920 | .. | N.A. | 2·500 |
| 9·387 | 85·680 | 585·028 | 2·705 | 124·260 | 48·810 | 20·211 |
| 2·210 | 100·920 | 472·009 | 13·338 | .. | 180·831 | 21·055 |
| 8·850 | 23·700 | 9·640 | 1·830 | .. | 6·680 | 22·180 |
| 5·925 | 74·778 | 650·611 | 11·796 | .. | 30·452 | 4·785 |
| 7·294 | 91·677 | 831·592 | 12·710 | .. | 17·735 | 36·173 |
| 114·260 | 161·610 | 1,703·550 | 34·540 | 27·920 | 735·600 | 20·310 |
| 14·926 | 105·021 | 669·594 | 21·036 | 434·738 | 110·907 | 57·369 |
| 7·389 | 134·660 | 982·913 | 35·455 | .. | 63·145 | 91·810 |
| .. | 0·122 | .. | 0·126 | .. | .. | 0·107 |
| 6·578 | 23·695 | 663·934 | 3·106 | 10·523 | 1·309 | 4·346 |
| .. | 333·000 | 1,700·234 | 8·996 | .. | 257·010 | .. |
| 5·488 | 49·877 | 112·287 | 6·486 | .. | 28·703 | 28·912 |
| 41·626 | 291·524 | 1,538·758 | 11·641 | 34·975 | 375·149 | 47·386 |
| 2·809 | 39·511 | 701·134 | 3·846 | 176·586 | 7·596 | 13·056 |
| 28·115 | 54·054 | 134·682 | 13·093 | .. | 6·056 | 65·838 |
| 0·159 | 0·524 | .. | 0·087 | .. | .. | 0·223 |
| 0·545 | 1·333 | 4·959 | 0·614 | .. | 0·022 | 0·648 |
| .. | 0·059 | .. | 0·031 | .. | 0·014 | .. |
| 1·799 | 0·304 | 17·565 | 0·933 | .. | .. | 0·149 |
| 0·001 | 0·002 | .. | 0·018 | .. | .. | .. |
| 0·047 | 0·270 | 0·081 | 0·046 | .. | .. | 0·028 |
| .. | Data | .. | not | .. | available | .. |
| 0·560 | 2·740 | 21·220 | 0·630 | .. | 14·510 | 0·740 |
| 0·425 | 0·750 | .. | 0·135 | .. | .. | .. |
| .. | .. | 986·013 | .. | 333·446 | .. | .. |
| 296·760 | 1,677·919 | 12,271·628 | 204·839 | 1,142·448 | 2,056·929 | 461·343 |

TABLE 37—ELECTRICITY GENERATION PURCHASE AND UTILISATION OF ENERGY BY STATES AND UNION TERRITORIES
(ELECTRIC UTILITY ONLY)

| Sl. No. | State/Union Territory/Power Corporation | Energy generated (Million kWh) | Energy Purchased (Million kWh) | | Energy used by power station auxiliaries (Million kWh) | Energy sent out cols. 3+4+5-6 (Million kWh) | Energy Sold (Million kWh) | | | Transformation, Transmission and distribution losses and energy unaccounted for | |
|---------|---|--------------------------------|--------------------------------|---|--|---|---------------------------|--------------------------------|-----------------|---|-------------------------|
| | | | From non-electric utilities | From public utilities in the adjoining States | | | To adjoining States | To consumers within the States | Total Cols. 8+9 | Million kWh | As percentage of Col. 7 |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1 | Andhra Pradesh | 1,601·102 | 1·787 | 46·039 | 68·564 | 1,580·364 | 139·580 | 1,020·849 | 1,160·429 | 419·935 | 26·57 |
| 2 | Assam | 140·875 | .. | .. | 4·797 | 136·078 | .. | 103·278 | 103·278 | 32·800 | 24·10 |
| 3 | Bihar | 418·366 | 3·387 | 1,171·056 | 38·054 | 1,554·755 | 180·289 | 1,211·856 | 1,392·145 | 162·610 | 10·46 |
| 4 | Gujarat | 2,491·824 | 0·778 | .. | 200·351 | 2,292·251 | 0·957 | 2,019·009 | 2,019·966 | 272·285 | 11·88 |
| 5 | Jammu and Kashmir | 110·464 | .. | 45·306 | 1·141 | 154·629 | .. | 133·730 | 133·730 | 20·899 | 13·52 |
| 6 | Kerala | 1,083·113 | .. | 77·991 | 14·941 | 1,146·163 | 10·884 | 901·278 | 912·162 | 234·001 | 20·42 |
| 7 | Madhya Pradesh | 1,436·606 | 6·685 | 73·293 | 109·046 | 1,407·538 | 65·650 | 1,164·022 | 1,229·672 | 177·866 | 12·64 |
| 8 | Madras | 3,939·711 | .. | 569·894 | 212·847 | 4,296·758 | 158·593 | 3,405·192 | 3,563·785 | 732·973 | 17·06 |
| 9 | Maharashtra | 6,332·884 | .. | .. | 225·695 | 6,107·189 | 57·940 | 5,176·211 | 5,234·151 | 873·038 | 14·30 |
| 10 | Mysore | 2,459·743 | .. | 56·015 | 7·815 | 2,507·943 | 589·072 | 1,503·942 | 2,093·014 | 414·929 | 16·54 |
| 11 | Nagaland | 1·877 | .. | .. | 0·017 | 1·860 | .. | 1·744 | 1·744 | 0·116 | 6·24 |
| 12 | Orissa | 651·920 | 42·880 | 205·115 | 5·402 | 894·513 | 1·949 | 765·482 | 767·431 | 127·082 | 14·21 |
| 13 | Punjab & Haryana | 3,807·731 | .. | .. | 15·380 | 3,792·351 | 710·476 | 2,555·407 | 3,265·883 | 526·468 | 13·88 |
| 14 | Rajasthan | 159·848 | .. | 283·154 | 12·610 | 430·392 | .. | 318·810 | 318·810 | 111·582 | 25·93 |
| 15 | Uttar Pradesh | 3,313·174 | .. | 424·856 | 128·124 | 3,609·906 | 58·350 | 2,852·494 | 2,910·844 | 699·062 | 19·37 |
| 16 | West Bengal | 3,825·938 | .. | 843·408 | 305·382 | 4,363·964 | 102·497 | 3,861·561 | 3,964·058 | 399·906 | 9·16 |
| 17 | Union Territories— | | | | | | | | | | |
| | (a) Delhi | 441·818 | .. | 411·943 | 43·306 | 810·455 | 13·280 | 693·234 | 706·514 | 103·941 | 12·82 |
| | (b) Andaman & Nicobar Islands | 2·684 | .. | .. | 0·261 | 2·423 | .. | 2·036 | 2·036 | 0·387 | 15·97 |
| | (c) Goa, Daman and Diu | 8·671 | .. | 10·864 | 0·375 | 19·160 | .. | 15·720 | 15·720 | 3·440 | 17·95 |
| | (d) Dadra & Nagar Haveli | .. | .. | 0·217 | .. | 0·217 | .. | 0·196 | 0·196 | 0·021 | 9·68 |
| | (e) Himachal Pradesh | 3·258 | .. | 37·092 | 0·025 | 40·325 | .. | 35·722 | 35·722 | 4·603 | 11·41 |
| | (f) Laccadive, Minicoy & Amindive Islands | 0·112 | .. | .. | 0·006 | 0·106 | .. | 0·096 | 0·096 | 0·010 | 9·43 |
| | (g) Manipur | 3·414 | .. | .. | 0·204 | 3·210 | .. | 2·356 | 2·356 | 0·854 | 26·60 |
| | (h) N.E.F.A. | Data | .. | not available | .. | .. | Data | .. | .. | not available | .. |
| | (i) Pondicherry | .. | .. | 58·345 | .. | 58·345 | .. | 49·809 | 49·809 | 8·536 | 14·63 |
| | (j) Tripura | 6·358 | .. | .. | 0·094 | 6·264 | .. | 5·042 | 5·042 | 1·222 | 19·51 |
| 18 | Damodar Valley Corporation | 4,134·096 | .. | 164·591 | 398·181 | 3,900·506 | 2,389·662 | 1,328·560 | 3,718·22 | 182·284 | 4·67 |
| | ALL-INDIA | 36,375·587 | 55·517 | .. | 1,792·618 | 34,638·486 | .. | 29,127·636 | 29,127·636 | 5,510·850 | 15·91 |

9-1 GWPC/69

PER CAPITA CONSUMPTION OF ELECTRICITY

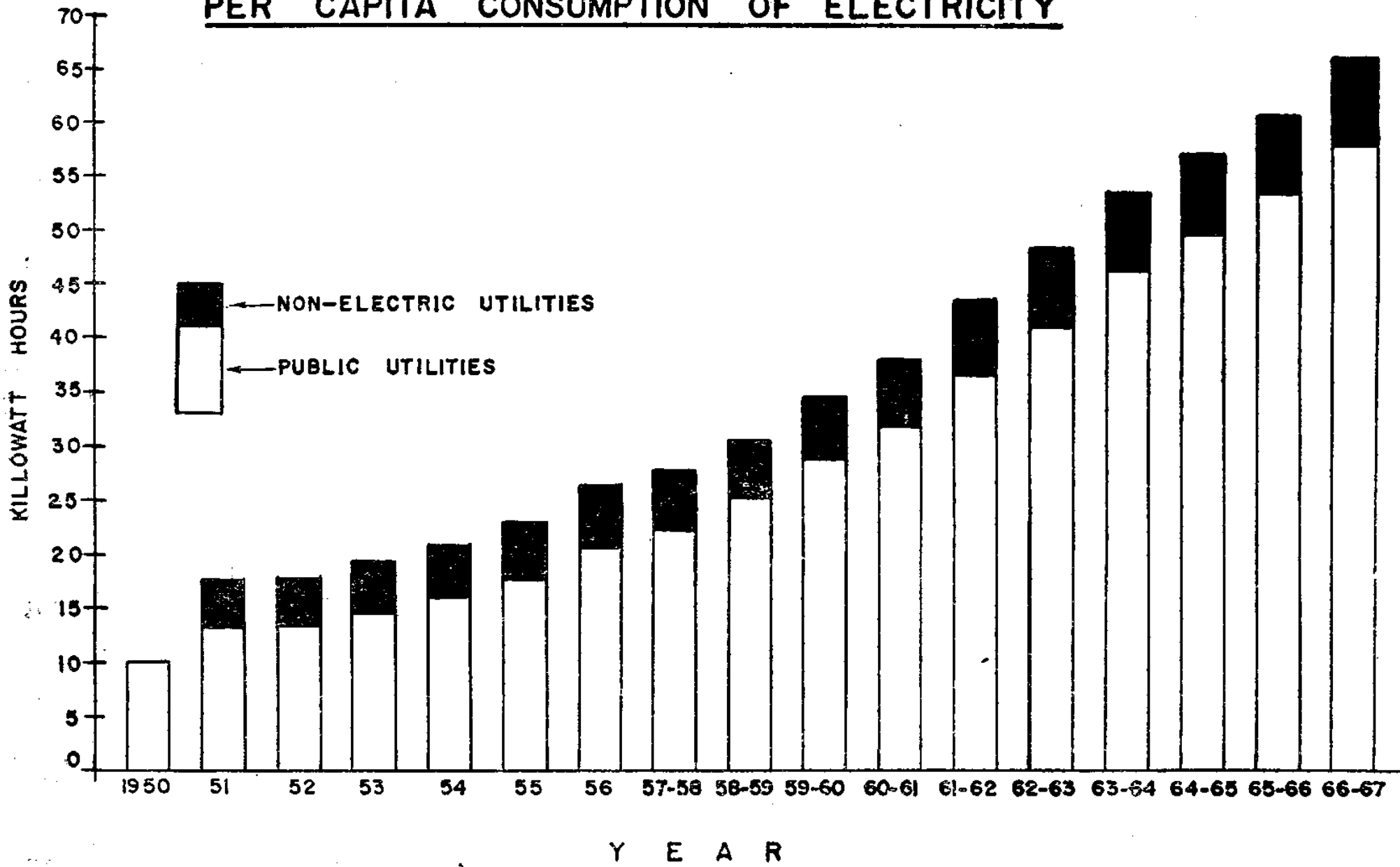


TABLE 39—INSTALLED PLANT CAPACITY (AS ON 31-3-67) AND ENERGY CONSUMPTION PER SQUARE KILOMETER AND PER THOUSAND OF POPULATION

| Sl. No. | Name of State/ Union Territory | Population* (Millions) | Area in square kilometers | Installed plant capacity (kW) | Installed capacity per 1000 of population (kW) | Installed capacity per square kilometer (kW) | Total energy consumed (million kWh) | Energy consumed per 1000 of population (kWh) | Energy consumed per square kilometer (kWh) |
|---------|--|------------------------|---------------------------|-------------------------------|--|--|-------------------------------------|--|--|
| 1 | Andhra Pradesh† | 40.09 | 275,281 | 422,228† | 10.53 | 1.53 | 1,020.849 | 25,464 | 3,708 |
| 2 | Assam | 13.96 | 121,966 | 159,507 | 11.43 | 1.31 | 103.278 | 7,398 | 847 |
| 3 | Bihar | 52.81 | 174,038 | 718,684 | 13.61 | 4.13 | 2,121.886 | 40,180 | 12,192 |
| 4 | Gujarat | 24.00 | 187,114 | 658,394 | 27.43 | 3.52 | 2,019.009 | 84,125 | 10,790 |
| 5 | Jammu and Kashmir | 3.85 | 222,800 | 29,057 | 7.55 | 0.13 | 133.730 | 34,735 | 600 |
| 6 | Kerala | 19.42 | 38,855 | 362,600 | 18.67 | 9.33 | 901.278 | 46,410 | 23,196 |
| 7 | Madhya Pradesh† | 37.17 | 443,452 | 365,610† | 9.85 | 0.82 | 1,164.022 | 31,316 | 2,625 |
| 8 | Madras | 37.02 | 130,357 | 1,394,150 | 37.66 | 8.24 | 3,405.192 | 91,982 | 26,121 |
| 9 | Maharashtra | 45.60 | 307,447 | 1,436,797 | 31.51 | 4.67 | 5,176.211 | 113,513 | 16,836 |
| 10 | Mysore† | 26.84 | 192,204 | 444,657† | 16.57 | 2.31 | 1,503.942 | 56,034 | 7,825 |
| 11 | Nagaland | 0.40 | 16,488 | 1,238 | 3.10 | 0.08 | 1.744 | 4,360 | 106 |
| 12 | Orissa† | 19.85 | 155,825 | 316,230† | 15.93 | 2.03 | 765.482 | 38,563 | 4,912 |
| 13 | Punjab & Haryana† | 24.08 | 122,004 | 920,704† | 38.21 | 7.55 | 2,555.07 | 106,122 | 20,944 |
| 14 | Rajasthan† | 23.65 | 342,273 | 295,477† | 12.49 | 0.86 | 318.810 | 13,480 | 931 |
| 15 | Uttar Pradesh | 83.48 | 294,364 | 930,462 | 11.15 | 3.16 | 2,852.494 | 34,170 | 9,690 |
| 16 | West Bengal | 40.59 | 87,617 | 1,592,092 | 39.22 | 18.17 | 4,280.091 | 105,447 | 48,850 |
| 17 | Union Territories— | | | | | | | | |
| | (a) Delhi | 3.51 | 1,484 | 126,820 | 36.13 | 85.46 | 693.234 | 197,502 | 467,139 |
| | (b) Andaman & Nicobar Islands | 0.08 | 8,327 | 1,658 | 20.73 | 0.20 | 2.036 | 25,450 | 245 |
| | (c) Goa, Daman & Diu | 0.66 | 4,182 | 5,973 | 9.05 | 1.43 | 15.720 | 23,818 | 3,759 |
| | (d) Dadra & Nagar Haveli | 0.07 | .. | .. | .. | .. | 0.196 | 2,800 | 392 |
| | (e) Himachal Pradesh | 1.54 | 28,192 | 1,241 | 0.81 | 0.04 | 35.722 | 23,196 | 1,267 |
| | (f) Laccadive, Minicoy & Amin-dive Islands | 0.30 | 28 | 317 | 10.57 | 11.32 | 0.096 | 3,200 | 3,429 |
| | (g) Manipur | 1.00 | 22,347 | 2,557 | 2.56 | 0.11 | 2.356 | 2,356 | 105 |
| | (h) N.E.F.A. | 0.37 | 81,400 | .. | Data | not | .. | available | .. |
| | (i) Pondicherry | 0.41 | 479 | .. | .. | .. | 49.809 | 121,485 | 103,985 |
| | (j) Tripura | 1.35 | 10,453 | 2,661 | 1.97 | 0.25 | 5.042 | 3,735 | 482 |
| | ALL INDIA | 501.83 | 3,268,977 | 10,189,114 | 20.30 | 3.12 | 29,127.636 | 58,043 | 8,910 |

*The figures for population have been estimated for September, 1966 (middle of 1966-67) on the basis of the estimated population figures for mid calendar-year received from the Registrar General of India.

†The installed plant capacity of Andhra Pradesh, Madhya Pradesh, Mysore, Orissa, Punjab and Rajasthan have been adjusted to include their shares of the jointly owned power stations. The installed plant capacities of Bihar and West Bengal have been adjusted to include Damodar Valley Corporation according to location of the power stations of the Corporation.

TABLE 40—PROGRESS OF ELECTRICITY SUPPLY ALL INDIA (ELECTRIC UTILITY ONLY)

| Year | Installed plant capacity in kW | | | | Aggregate of generating maximum demand (kW) | Energy generated (million kWh) | Energy generated per kW of capacity | Energy sold (million kWh) | Average load factor based on cols. 6 and 7 % | Average plant demand factor based on cols. 5 & 6 % |
|-----------|--------------------------------|------------------------|-----------|------------|---|--------------------------------|-------------------------------------|---------------------------|--|--|
| | Steam | Gas turbine and 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 | 5,5967.083 | 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 | 10,713.610 | 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 | 403,364 | 3,388,726 | 7,396,665 | 6,257,197 | 29,563.079 | 4,044 | 24,219.269 | 53.93 | 84.6 |
| 1965-66 . | 4,417,115 | 486,159 | 4,125,745 | 9,027,019 | 7,306,230 | 32,990.125 | 3,708 | 26,734.944 | 51.54 | 80.9 |
| 1966-67 . | 4,941,485 | 465,682 | 4,781,947 | 10,189,114 | 8,291,571 | 36,375.587 | 3,570 | 29,127.636 | 50.08 | 81.38 |

TABLE 41(1)—PROGRESS OF ELECTRICITY SUPPLY—ANDHRA PRADESH

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|----------------|----------------|----------------|------------------|------------------|
| Installed capacity (kW)— | | | | | |
| Steam | 46,000 | 46,000 | 83,500 | 113,500 | 233,500 |
| Gas Turbine | .. | .. | .. | 20,000 | 20,000 |
| Diesel | 13,164 | 19,876 | 20,188 | 12,128 | 12,128 |
| Hydro | .. | 66,000 | 166,150 | 207,000 | 207,000 |
| TOTAL | 59,164 | 131,876 | 269,838 | 352,628 | 472,628 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | 89·612 | 60·177 | 145·836 | 510·383 | 763·479 |
| Gas Turbine | .. | .. | .. | 38·405 | 17·105 |
| Diesel | 14·328 | 9·661 | 5·450 | 6·772 | 3·570 |
| Hydro | .. | 169·364 | 748·743 | 1,033·743 | 816·948 |
| TOTAL | 103·940 | 239·202 | 900·029 | 1,589·303 | 1,601·102 |
| Purchased from non-utilities and adjoining States | .. | .. | 1·040 | 41·159 | 47·816 |
| Used by power station auxiliaries | .. | .. | 23·237 | 43·767 | 68·564 |
| Energy sent out | .. | .. | 877·832 | 1,586·695 | 1,580·354 |
| Sales— | | | | | |
| (i) To adjoining States | .. | .. | 120·525 | 146·224 | 139·580 |
| (ii) Within the State Domestic light and small power | 20·946 | 32·666 | 70·815 | 85·748 | 81·039 |
| Commercial light and small power | 18·657 | 33·810 | 30·321 | 172·901 | 178·520 |
| Industrial power | 44·297 | 88·641 | 393·331 | 574·366 | 546·652 |
| Public lighting | 5·878 | 9·032 | 14·863 | 20·349 | 18·721 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and Dewatering | 4·905 | 10·458 | 54·827 | 172·665 | 172·400 |
| Public Water Works and Sewage Pumping | 3·493 | 6·410 | 7·399 | 22·315 | 23·517 |
| TOTAL (ii) | 98·176 | 181·017 | 571·556 | 1,048·344 | 1,020·849 |
| Lost in transformation, transmission, and distribution and unaccounted for | .. | .. | 185·751 | 392·127 | 419·925 |

TABLE 41(2)—PROGRESS OF ELECTRICITY SUPPLY—ASSAM

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|--------------|---------------|---------------|----------------|----------------|
| Installed capacity (kW)— | | | | | |
| Steam | 200 | 622 | .. | .. | .. |
| Gas turbine | .. | .. | .. | 81,500 | 81,500 |
| Diesel | 2,593 | 4,108 | 10,160 | 32,097 | 32,097 |
| Hydro | 550 | 550 | 9,270 | 45,940 | 45,910 |
| TOTAL | 3,343 | 5,280 | 19,430 | 159,537 | 159,507 |
| Energy (Million kWh)— | | | | | |
| Generation— | | | | | |
| Steam | 0,001 | .. | .. | .. | .. |
| Gas turbine | .. | .. | .. | 14·865 | 43·190 |
| Diesel | 4·469 | 8·372 | 15·336 | 26·652 | 24·709 |
| Hydro | 2,130 | 2,897 | 20·883 | 56·386 | 72·976 |
| TOTAL | 6,600 | 11·269 | 36·219 | 97·903 | 140·875 |
| Purchased from non-utilities and adjoining States | .. | .. | .. | .. | .. |
| Used by power station auxiliaries | .. | .. | 1·273 | 4·915 | 4·797 |
| Sent out | .. | .. | 34·946 | 92·988 | 136·078 |
| Sales— | | | | | |
| (i) To adjoining States | .. | .. | .. | .. | .. |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 2·080 | 3·331 | 9·897 | 23·588 | 41·883 |
| Commercial light and small power | 2·060 | 3·689 | 4·212 | 19·334 | 8·922 |
| Industrial power | 0·772 | 1·383 | 11·827 | 23·590 | 46·265 |
| Public lighting | 0·614 | 0·740 | 2·699 | 3·656 | 3·641 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation & Dewatering | .. | .. | .. | 0·107 | N.A. |
| Public Water Works and Sewage Pumping | 0·069 | 0·143 | 0·463 | 0·758 | 2·567 |
| TOTAL (ii) | 5·595 | 9·286 | 29·098 | 71·033 | 103·278 |
| Lost in transformation, transmission, and distribution and unaccounted for | .. | .. | 5·848 | 21·955 | 32·800 |

TABLE 41(3)—PROGRESS OF ELECTRICITY SUPPLY—BIHAR

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|---------|---------|-----------|-----------|-----------|
| <i>Installed capacity (kW)—</i> | | | | | |
| Steam | 39,510 | 185,045 | 288,520 | 608,770 | 658,770 |
| Diesel | 7,486 | 15,396 | 18,373 | 19,524 | 15,914 |
| Hydro | .. | 4,000 | 44,000 | 44,000 | 44,000 |
| TOTAL . | 46,996 | 204,441 | 350,893 | 672,294 | 718,684 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 118,870 | 580,118 | 1,408,554 | 3,079,558 | 3,486,947 |
| Diesel | 13,162 | 20,964 | 44,624 | 22,798 | 24,118 |
| Hydro | .. | 2,153 | 143,655 | 124,513 | 54,189 |
| TOTAL . | 132,032 | 603,235 | 1,596,833 | 3,226,869 | 3,565,254 |
| Purchased from non-utilities and adjoining States | .. | .. | 67,789 | 113,535 | 42,720 |
| Used by power station auxiliaries | .. | .. | 98,629 | 300,661 | 330,501 |
| Sent out | .. | .. | 1,565,993 | 3,039,743 | 3,277,473 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | 457,839 | 889,304 | 872,557 |
| <i>(ii) With in the State—</i> | | | | | |
| Domestic light and small power | 14,820 | 27,138 | 44,312 | 61,093 | 64,637 |
| Commercial light and small power | 6,062 | 13,296 | 29,830 | 69,354 | 84,613 |
| Industrial power | 87,847 | 298,543 | 776,395 | 1,397,251 | 1,500,075 |
| Public lighting | 1,098 | 1,937 | 3,647 | 4,804 | 4,867 |
| Railways/Tramways | .. | .. | 4,528 | 343,085 | 388,411 |
| Irrigation and Dewatering. | 4,599 | 4,272 | 18,255 | 29,325 | 49,249 |
| Public Water Works and Sewage Pumping | 4,167 | 8,126 | 12,238 | 27,635 | 30,034 |
| TOTAL (ii) | 118,593 | 353,312 | 889,205 | 1,932,547 | 2,121,886 |
| Lost in transformation, transmission, and distribution and unaccounted for | .. | .. | 218,949 | 217,892 | 283,030 |

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

TABLE 41(4)—PROGRESS OF ELECTRICITY SUPPLY—GUJARAT

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|---------|---------|-----------|-----------|-----------|
| <i>Installed capacity (kW)—</i> | | | | | |
| Steam | 108,930 | 183,600 | 280,900 | 609,600 | 609,600 |
| Diesel | 32,948 | 40,605 | 52,367 | 41,018 | 48,794 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL | 141,878 | 224,205 | 333,267 | 650,618 | 658,394 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| .. Steam | 316·405 | 739·372 | 1,209·144 | 2,155·479 | 2,474·894 |
| Diesel | 57·244 | 51·577 | 62·083 | 51·900 | 16·930 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL | 373·649 | 790·949 | 1,271·227 | 2,207·379 | 2,491·824 |
| Purchased from non-utilities and adjoining States | .. | .. | .. | 0·870 | 0·778 |
| Used by power station auxiliaries | .. | .. | 82·615 | 177·755 | 200·351 |
| Sent out | .. | .. | 1,188·612 | 2,030·494 | 2,292·251 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | .. | 0·399 | 0·956 |
| <i>(ii) Within the States—</i> | | | | | |
| Domestic light and small power | 30·901 | 46·726 | 71·573 | 141·539 | 155·366 |
| Commercial light and small power | 12·328 | 14·936 | 31·660 | 48·978 | 64·627 |
| Industrial power | 266·694 | 590·402 | 805·961 | 1,421·146 | 1,511·467 |
| Public lighting | 5·889 | 8·980 | 15·274 | 22·235 | 26·197 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and Dewatering | 1·326 | 6·060 | 19·610 | 100·532 | 193·430 |
| Public Water Works and Sewage Pumping | 12·083 | 26·746 | 39·560 | 62·039 | 67·922 |
| TOTAL (ii) | 329·221 | 693·850 | 983·638 | 1,796·469 | 2,019·009 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 204·974 | 233·626 | 277·286 |

TABLE 41(5)—PROGRESS OF ELECTRICITY SUPPLY—JAMMU & KASHMIR

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|--------|--------|---------|-----------|---------|
| Installed capacity (kW)— | | | | | |
| Steam | 1,500 | 1,500 | 1,500 | 1,500 | 1,500 |
| Diesel | 465 | 769 | 869 | 1,536 | 1,546 |
| Hydro | 4,514 | 10,606 | 10,612 | 28,071 | 26,011 |
| TOTAL | 6,479 | 12,875 | 12,981 | 31,107 | 29,057 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | 1.774 | .. | .. | N.A. | .. |
| Diesel | 0.261 | 0.075 | 0.025 | .. | 0.294 |
| Hydro | 23.479 | 23.896 | 43.489 | .. | 110.170 |
| TOTAL | 25.514 | 23.971 | 43.514 | .. | 110.464 |
| Purchased from non-utilities and adjoining States | .. | .. | 17.500 | 35.462 | 45.306 |
| Used by power station auxiliaries | .. | .. | 0.509 | N.A. | 1.141 |
| Sent out | .. | .. | 60.505 | N.A. | 154.629 |
| Sales (Estimated)— | | | | | |
| (i). To adjoining States | .. | .. | .. | .. | .. |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 7.660 | 8.864 | 22.500 | Data | 47.810 |
| Commercial light and small power | 0.811 | 0.176 | 1.000 | Not | 21.890 |
| Industrial power | 6.318 | 6.424 | 22.000 | Available | 33.340 |
| Public lighting | 0.552 | 0.566 | 1.300 | D.N.A. | 1.830 |
| Railways/Tramways | .. | .. | .. | D.N.A. | .. |
| Irrigation and Dewatering | 0.424 | 0.302 | 0.700 | D.N.A. | 6.680 |
| Public Water Works and Sewage Pumping | 1.610 | 2.086 | 3.500 | D.N.A. | 22.180 |
| TOTAL (ii) | 17.375 | 18.418 | 51.000 | .. | 133.730 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 9.505 | .. | 20.899 |

TABLE 41(6)—PROGRESS OF ELECTRICITY SUPPLY—KERALA

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|----------------|----------------|----------------|----------------|------------------|
| Installed capacity (kW) — | | | | | |
| Steam | .. | .. | .. | .. | .. |
| Diesel | 4,170 | 4,277 | 4,762 | 4,605 | 3,600 |
| Hydro | 28,500 | 85,500 | 132,500 | 192,500 | 359,000 |
| TOTAL | 32,670 | 89,777 | 137,262 | 197,105 | 362,600 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | .. | .. | .. | .. | .. |
| Diesel | 1.460 | 0.132 | .. | 1.602 | 0.376 |
| Hydro | 152.179 | 349.599 | 581.818 | 840.337 | 1,082.737 |
| TOTAL | 153.639 | 349.731 | 581.818 | 841.939 | 1,083.113 |
| Purchased from non-utilities and adjoining States | .. | .. | 50.341 | 116.478 | 77.991 |
| Used by power station auxiliaries | .. | .. | 18.394 | 18.816 | 14.941 |
| Sent out | .. | .. | 613.765 | 939.601 | 1,146.163 |
| Sales— | | | | | |
| (i) To adjoining States | .. | .. | 11.591 | 1.347 | 10.884 |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 13.748 | 22.890 | 51.073 | 89.926 | 64.411 |
| Commercial light and small power | 2.697 | 2.291 | 3.851 | 14.434 | 38.234 |
| Industrial power | 140.939 | 223.592 | 396.407 | 602.893 | 749.845 |
| Public lighting | 1.604 | 2.722 | 8.358 | 10.553 | 13.409 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and Dewatering | 6.170 | 10.721 | 18.287 | 24.032 | 30.462 |
| Public Water Works and Sewage Pumping | 3.292 | 7.001 | 7.844 | 7.960 | 4.917 |
| TOTAL (ii) | 168.450 | 269.217 | 485.820 | 749.798 | 901.278 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 116.344 | 188.456 | 234.001 |

TABLE 41(7)—PROGRESS OF ELECTRICITY SUPPLY—MADHYA PRADESH

| | 1951 | 1956 | 1960.61 | 1965.66 | 1966.67 |
|--|--------|---------|---------|-----------|-----------|
| <i>Installed capacity (kW)—</i> | | | | | |
| Steam | 27,308 | 66,322 | 169,798 | 238,400 | 286,570 |
| Diesel | 11,979 | 15,984 | 28,739 | 26,139 | 21,540 |
| Hydro | .. | .. | 69,000 | 92,000 | 115,000 |
| TOTAL | 39,287 | 82,306 | 267,537 | 356,539 | 423,110 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 57,354 | 150,070 | 429,677 | 1,110,198 | 1,323,853 |
| Diesel | 15,953 | 19,271 | 24,049 | 19,956 | 14,288 |
| Hydro | .. | .. | 23,240 | 156,119 | 98,465 |
| TOTAL | 73,307 | 169,341 | 476,966 | 1,286,273 | 1,436,606 |
| Purchased from non-utilities and adjoining States | .. | .. | 30,000 | 69,293 | 79,978 |
| Used by power station auxiliaries | .. | .. | 30,985 | 100,064 | 109,046 |
| Sent out | .. | .. | 475,981 | 1,255,502 | 1,407,538 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | 3,000 | 79,625 | 65,650 |
| <i>(ii) Within the State—</i> | | | | | |
| Domestic light and small power | 14,845 | 25,206 | 45,397 | 74,387 | 87,650 |
| Commercial light and small power | 7,470 | 13,525 | 20,790 | 26,644 | 41,456 |
| Industrial power | 23,094 | 77,280 | 301,267 | 868,380 | 964,741 |
| Public lighting | 2,183 | 4,801 | 9,113 | 9,966 | 14,046 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and dewatering | 0,188 | 0,698 | 3,890 | 11,757 | 17,883 |
| Public Water Works and Sewage Pumping | 10,321 | 18,486 | 25,243 | 37,282 | 38,246 |
| TOTAL (ii) | 58,101 | 139,996 | 405,700 | 1,028,416 | 1,164,022 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 662,281 | 147,461 | 177,866 |

TABLE 41(8)—PROGRESS OF ELECTRICITY SUPPLY—MADRAS

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|----------------|------------------|------------------|------------------|------------------|
| Installed capacity in (kW)— | | | | | |
| Steam | 52,000 | 84,000 | 101,500 | 401,500 | 401,500 |
| Diesel | 516 | 516 | 516 | 6,000 | 6,000 |
| Hydro | 101,950 | 165,150 | 415,450 | 906,650 | 986,650 |
| TOTAL | 154,466 | 249,666 | 517,466 | 1,314,150 | 1,394,150 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | 140·189 | 281·718 | 416·171 | 2,230·504 | 1,839·314 |
| Diesel | 0·195 | .. | .. | 0·276 | .. |
| Hydro | 579·173 | 802·619 | 1,797·545 | 1,978·633 | 2,100·397 |
| TOTAL | 719·557 | 1,084·337 | 2,213·716 | 4,209·413 | 3,939·711 |
| Purchased from non-utilities and adjoining States | .. | .. | 23·866 | 218·600 | 569·984 |
| Used by power station auxiliaries | .. | .. | 64·746 | 266·327 | 212·847 |
| Sent out | .. | .. | 2,172·836 | 4,161·686 | 4,296·758 |
| Sales— | | | | | |
| (i) To adjoining States | .. | .. | 80·549 | 210·617 | 158·593 |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 59·340 | 108·915 | 152·890 | 213·700 | 225·543 |
| Commercial light and small power | 54·693 | 90·398 | 156·712 | 299·135 | 313·276 |
| Industrial power | 324·291 | 449·368 | 909·791 | 1,792·322 | 1,995·168 |
| Public lighting | 14·178 | 20·774 | 33·920 | 48·910 | 50·974 |
| Railways/Tramways | 15·749 | 12·628 | 15·000 | 20·290 | 27·920 |
| Irrigation and dewatering | 69·636 | 138·300 | 382·403 | 819·653 | 763·096 |
| Public Water Works and Sewage Pumping | 8·625 | 10·319 | 14·427 | 28·112 | 29·215 |
| TOTAL (ii) | 546·512 | 830·702 | 1,665·143 | 3,222·122 | 3,405·192 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 427·177 | 728·947 | 733·023 |

TABLE 41(9)—PROGRESS OF ELECTRICITY SUPPLY—MAHARASHTRA

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|-----------|-----------|-----------|-----------|-----------|
| <i>Installed capacity in (kW)—</i> | | | | | |
| Steam | 64,954 | 225,110 | 443,250 | 653,250 | 646,000 |
| Diesel | 21,122 | 27,917 | 34,363 | 52,358 | 41,973 |
| Hydro | 253,114 | 279,914 | 281,914 | 598,888 | 748,824 |
| TOTAL | 339,190 | 532,941 | 759,527 | 1,304,496 | 1,436,797 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 280·038 | 742·343 | 1,834·760 | 2,415·922 | 2,511·272 |
| Diesel | 32·203 | 38·879 | 68·171 | 61·709 | 47·869 |
| Hydro | 1,229·024 | 1,467·483 | 1,364·946 | 3,157·555 | 3,773·743 |
| TOTAL | 1,541·265 | 2,248·705 | 3,267·877 | 5,635·186 | 6,332·884 |
| Purchased from non-utilities and adjoining States | .. | .. | 2·200 | .. | .. |
| Used by power station auxiliaries | .. | .. | 136·118 | 212·659 | 225·695 |
| Sent out | .. | .. | 3,133·959 | 5,422·527 | 6,107·189 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | 30·000 | 55·409 | 57·940 |
| <i>(ii) Within the State—</i> | | | | | |
| Domestic light and small power | 107·964 | 165·574 | 259·901 | 448·208 | 494·539 |
| Commercial light and small power | 86·133 | 131·301 | 198·230 | 363·381 | 406·766 |
| Industrial power | 815·801 | 1,234·899 | 1,852·666 | 3,297·263 | 3,606·046 |
| Public lighting | 7·129 | 14·503 | 19·883 | 38·571 | 41·804 |
| Railways/Tramways | 270·946 | 344·463 | 338·927 | 413·863 | 435·787 |
| Irrigation and dewatering | 2·748 | 5·129 | 14·759 | 89·555 | 113·589 |
| Public Water Works and Sewage Pumping | 23·346 | 31·366 | 35·157 | 65·696 | 77·680 |
| TOTAL (ii) | 1,314·067 | 1,927·235 | 2,719·523 | 4,716·537 | 5,176·211 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 384·436 | 650·581 | 873·038 |

TABLE 41(10)—PROGRESS OF ELECTRICITY SUPPLY—MYSORE

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|----------------|----------------|------------------|------------------|------------------|
| Installed capacity (kW)— | | | | | |
| Steam | 57 | .. | .. | 1,100 | .. |
| Gas turbine | .. | .. | .. | 10,000 | 10,000 |
| Diesel | 7,681 | 12,264 | 12,876 | 12,532 | 2,657 |
| Hydro | 107,200 | 178,200 | 178,200 | 417,600 | 417,600 |
| TOTAL | 114,938 | 190,464 | 191,076 | 441,232 | 430,257 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | .. | .. | .. | 1·626 | .. |
| Gas turbine | .. | .. | .. | 0·611 | .. |
| Diesel | 13·159 | 16·449 | 19·242 | 17·522 | 3·216 |
| Hydro | 525·343 | 809·725 | 1,038·756 | 1,855·563 | 2,456·527 |
| TOTAL | 538·502 | 826·174 | 1,057·998 | 1,875·322 | 2,459·743 |
| Purchased from non-utilities and adjoining States | .. | .. | 48·250 | 57·770 | 56·015 |
| Used by power station auxiliaries | .. | .. | 16·652 | 9·597 | 7·815 |
| Sent out | .. | .. | 1,089·590 | 1,923·496 | 2,507·945 |
| Sales— | | | | | |
| (i) To adjoining States | .. | .. | .. | 277·006 | 589·072 |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 31·987 | 55·489 | 75·243 | 131·255 | 150·036 |
| Commercial light and small power | 8·734 | 17·785 | 21·299 | 27·292 | 34·060 |
| Industrial power | 292·174 | 486·229 | 731·889 | 1,035·514 | 1,126·859 |
| Public lighting | 7·140 | 13·838 | 18·880 | 28·682 | 36·642 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and dewatering | 6·967 | 16·465 | 28·714 | 66·015 | 63·398 |
| Public Water Works and Sewage Pumping | 37·034 | 42·574 | 58·915 | 92·846 | 92·947 |
| TOTAL (ii) | 384·036 | 632·380 | 934·940 | 1,381·604 | 1,503·942 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 154·640 | 314·884 | 414·931 |

TABLE 41(11)—PROGRESS OF ELECTRICITY SUPPLY—NAGALAND

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|---|------|------|---------|---------|---------|
| Installed capacity in (kW)— | | | | | |
| Steam | .. | .. | .. | .. | .. |
| Diesel | .. | .. | .. | 725 | 1,238 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL | .. | .. | .. | 725 | 1,238 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | .. | .. | .. | .. | .. |
| Diesel | .. | .. | .. | 1.013 | 1.877 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL | .. | .. | .. | 1.013 | 1.877 |
| Purchased from non-utilities and adjoining States | | | | | |
| Used by powerstation auxiliaries | | | | | |
| Sent out | .. | .. | .. | 0.012 | 0.017 |
| Sales— | | | | | |
| (i) To adjoining States | | | | | |
| (ii) Within the State— | | | | | |
| Domestic light and small power | .. | .. | .. | 0.649 | 0.866 |
| Commercial light and small power | .. | .. | .. | .. | 0.523 |
| Industrial power | .. | .. | .. | 0.073 | 0.422 |
| Public lighting | .. | .. | .. | 0.068 | 0.126 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and dewatering | .. | .. | .. | .. | .. |
| Public Water Works and Sewage Pumping | .. | .. | .. | 0.052 | 0.107 |
| TOTAL(ii) | .. | .. | .. | 0.842 | 1.744 |
| Lost in transformation, transmission and distribution, and unaccounted for | | | | | |
| | .. | .. | .. | 0.159 | 0.116 |

TABLE 41(12)—PROGRESS OF ELECTRICITY SUPPLY—ORISSA

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|-------|--------|---------|-----------|---------|
| <i>Installed capacity (kW)—</i> | | | | | |
| Steam | 776 | 5,776 | 5,776 | 5,750 | 5,750 |
| Diesel | 4,079 | 3,991 | 7,468 | 4,806 | 4,468 |
| Hydro | 5 | 24,005 | 123,005 | 270,012 | 270,012 |
| TOTAL | 4,860 | 33,772 | 136,249 | 280,568 | 280,230 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 2.133 | 17.617 | .. | .. | 5.006 |
| Diesel | 4.665 | 3.517 | 5.901 | 0.966 | 0.754 |
| Hydro | 0.013 | 0.011 | 483.738 | 946.900 | 646.160 |
| TOTAL | 6.811 | 21.145 | 489.639 | 947.866 | 651.920 |
| Purchased from non-utilities and .. adjoining States | .. | .. | 104.813 | 100.830 | 247.995 |
| Used by power station auxiliaries | .. | .. | 3.680 | 4.257 | 5.402 |
| Sent out | .. | .. | 590.773 | 1,044.439 | 894.512 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | 25.000 | 19.754 | 1.949 |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 2.256 | 4.023 | 18.300 | 29.928 | 32.491 |
| Commercial light and small power | 1.408 | 1.938 | 7.870 | 16.692 | 26.078 |
| Industrial power | 1.117 | 7.578 | 457.465 | 882.212 | 687.629 |
| Public lighting | 0.243 | 0.614 | 1.487 | 7.947 | 3.106 |
| Railways/Tramways | .. | .. | .. | 32.718 | 10.523 |
| Irrigation and dewatering | .. | .. | 0.752 | 1.734 | 1.309 |
| Public Water Works and Sewage Pumping | 0.101 | 1.049 | 2.297 | 5.363 | 4.346 |
| TOTAL (ii) | 5.125 | 15.202 | 488.171 | 976.594 | 765.482 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 77.602 | 48.091 | 127.081 |

TABLE 41(13)—PROGRESS OF ELECTRICITY SUPPLY—PUNJAB AND HARYANA

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|----------------|----------------|------------------|------------------|------------------|
| Installed capacity in (kW)— | | | | | |
| Steam | 2,376 | 7,826 | 7,876 | 33,100 | 33,100 |
| Diesel | 18,245 | 20,647 | 16,725 | 19,375 | 19,325 |
| Hydro | 49,990 | 145,990 | 326,476 | 775,076 | 1,015,076 |
| TOTAL | 70,611 | 174,463 | 351,077 | 827,551 | 1,067,501 |
| Energy (Million kWh) | | | | | |
| Generation— | | | | | |
| Steam | 2·881 | 6·769 | 6·658 | 22·147 | 54·768 |
| Diesel | 19·882 | 8·359 | 8·093 | 8·214 | 2·900 |
| Hydro | 184·420 | 425·697 | 988·887 | 3,385·305 | 3,750·063 |
| TOTAL | 207·183 | 440·825 | 1,003·638 | 3,415·666 | 3,807·731 |
| Purchased from non-utilities and adjoining States | .. | .. | .. | 0·067 | .. |
| Used by power station auxiliaries | .. | .. | 7·955 | 10·930 | 15·360 |
| Sent out | .. | .. | 995·683 | 3,404·833 | 3,792·351 |
| Sales— | | | | | |
| (i) To adjoining States | .. | .. | 182·875 | 558·096 | 710·476 |
| (ii) Within the State— | | | | | |
| Domestic light and small power | 24·898 | 40·840 | 69·867 | 113·542 | 128·057 |
| Commercial light and small power | 12·006 | 34·819 | 61·397 | 86·431 | 88·541 |
| Industrial power | 56·128 | 153·632 | 355·974 | 1,915·702 | 2,061·174 |
| Public lighting | 2·443 | 5·755 | 9·092 | 9·871 | 11·828 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and dewatering | 0·490 | 22·655 | 74·848 | 210·852 | 257·126 |
| Public Water Works and Sewage Pumping | 6·589 | 8·729 | 9·121 | 13·411 | 8·681 |
| TOTAL (ii) | 102·554 | 266·430 | 580·299 | 2,349·809 | 2,555·407 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 232·509 | 496·928 | 526·478 |

TABLE 41(14)—PROGRESS OF ELECTRICITY SUPPLY—RAJASTHAN

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|---------------|---------------|----------------|----------------|----------------|
| <i>Installed capacity in (kW)—</i> | | | | | |
| Steam | 17,265 | 24,000 | 46,250 | 48,500 | 46,150 |
| Gas turbine | .. | .. | .. | 10,000 | 10,000 |
| Diesel | 13,675 | 19,787 | 24,425 | 31,806 | 35,030 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL . | 30,940 | 43,787 | 70,675 | 90,306 | 91,180 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 42·716 | 61·279 | 70·411 | 127·309 | 111·564 |
| Gas turbine | .. | .. | .. | 1·384 | 5·241 |
| Diesel | 21·552 | 29·030 | 37·991 | 36·161 | 43·043 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL . | 64·268 | 90·309 | 108·402 | 164·854 | 159·848 |
| Purchased from non-utilities and adjoining States | .. | .. | 22·808 | 253·233 | 283·154 |
| Used by power station auxiliaries | .. | .. | 6·395 | 10·552 | 12·610 |
| Sent out | .. | .. | 124·815 | 407·535 | 430·392 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | .. | .. | .. |
| <i>(ii) Within the State—</i> | | | | | |
| Domestic light and small power | 10·834 | 12·325 | 20·734 | 38·510 | 39·880 |
| Commercial light and small power | 5·833 | 11·115 | 15·858 | 38·261 | 41·947 |
| Industrial power | 14·198 | 21·890 | 33·580 | 197·810 | 167·266 |
| Public lighting | 1·969 | 2·987 | 5·200 | 7·268 | 7·698 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and dewatering | 1·664 | 1·845 | 3·621 | 19·684 | 29·378 |
| Public Water Works and Sewage Pumping | 12·923 | 14·459 | 19·537 | 24·260 | 32·641 |
| TOTAL (ii) . | 47·421 | 64·621 | 98·530 | 325·793 | 318·810 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 26·285 | 81·742 | 111·582 |

TABLE 41(15)—PROGRESS OF ELECTRICITY SUPPLY—UTTAR PRADESH

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|---------|---------|-----------|-----------|-----------|
| <i>Installed capacity in (kW)—</i> | | | | | |
| Steam | 161,090 | 179,860 | 270,810 | 398,235 | 398,235 |
| Gas turbine | .. | .. | .. | 12,500 | 12,500 |
| Diesel | 12,883 | 32,490 | 34,164 | 42,047 | 41,972 |
| Hydro | 26,220 | 96,390 | 92,470 | 477,755 | 477,755 |
| TOTAL | 200,193 | 308,740 | 397,444 | 930,537 | 930,462 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 398·271 | 490·829 | 786·262 | 1,450·667 | 1,583·298 |
| Gas turbine | .. | .. | .. | 14·030 | 14·924 |
| Diesel | 14·181 | 20·343 | 26·092 | 25·104 | 26·012 |
| Hydro | 157·320 | 232·309 | 439·967 | 1,542·858 | 1,688·940 |
| TOTAL | 569·772 | 743·481 | 1,252·321 | 3,032·659 | 3,313·174 |
| Purchased from non-utilities and adjoining States | .. | .. | .. | 134·108 | 424·856 |
| Used by power station auxiliaries | .. | .. | 59·551 | 118·354 | 128·124 |
| Sent out | .. | .. | 1,192·770 | 3,048·413 | 3,609·909 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | .. | 109·161 | 58·350 |
| (ii) Within the State— | .. | .. | .. | .. | .. |
| Domestic light and small power | 49·587 | 71·510 | 122·718 | 190·496 | 214·206 |
| Commercial light and small power | 40·451 | 59·317 | 74·736 | 116·110 | 125·399 |
| Industrial power | 230·991 | 314·181 | 503·928 | 1,639·757 | 2,001·742 |
| Public lighting | 6·246 | 8·384 | 13·848 | 18·613 | 20·653 |
| Railways/Tramways | .. | .. | .. | 20·320 | 34·975 |
| Irrigation and dewatering | 98·230 | 90·441 | 199·992 | 315·995 | 380·252 |
| Public Water Works and Sewage Pumping | 32·434 | 42·145 | 60·481 | 70·943 | 75·267 |
| TOTAL (ii) | 457·939 | 585·978 | 975·703 | 2,372·234 | 2,852·494 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 217·067 | 506·635 | 698·062 |

TABLE 41(16)—PROGRESS OF ELECTRICITY SUPPLY—WEST BENGAL

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|------------------|------------------|------------------|------------------|------------------|
| <i>Installed capacity in (kW)—</i> | | | | | |
| Steam | 539,901 | 528,351 | 676,975 | 1,211,210 | 1,513,710 |
| Diesel | 3,513 | 5,612 | 9,473 | 13,472 | 10,874 |
| Hydro | 2,760 | 4,760 | 67,208 | 67,508 | 67,508 |
| TOTAL | 546,174 | 538,723 | 753,656 | 1,292,190 | 1,592,092 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 1,196,920 | 1,765,624 | 2,150,169 | 3,879,683 | 4,713,262 |
| Diesel | 4,443 | 4,632 | 8,684 | 16,362 | 20,359 |
| Hydro | 5,929 | 8,335 | 159,886 | 144,895 | 79,535 |
| TOTAL | 1,207,274 | 1,778,591 | 2,318,739 | 4,040,940 | 4,813,146 |
| Purchased from non-utilities and adjoining States | .. | .. | 604,970 | 51,846 | 340,337 |
| Used by power station auxiliaries | .. | .. | 130,595 | 329,449 | 411,116 |
| Sent out | .. | .. | 2,793,114 | 4,463,337 | 4,742,367 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | 10,000 | 0,920 | 0,508 |
| <i>(ii) Within the State—</i> | | | | | |
| Domestic light and small power | 180,831 | 253,402 | 353,517 | 510,140 | 562,785 |
| Commercial light and small power | 37,550 | 79,275 | 115,786 | 173,871 | 193,412 |
| Industrial power | 731,949 | 1,291,502 | 1,808,128 | 3,009,712 | 3,083,502 |
| Public lighting | 8,346 | 15,112 | 23,395 | 29,799 | 32,339 |
| Railways/Tramways | 42,899 | 47,487 | 95,297 | 227,006 | 282,597 |
| Irrigation and dewatering | .. | 2,170 | 0,650 | 4,254 | 7,625 |
| Public Water Works and Sewage Pumping | 32,564 | 65,594 | 95,993 | 110,144 | 117,831 |
| TOTAL (ii) | 1,034,139 | 1,754,542 | 2,492,766 | 4,046,926 | 4,280,091 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 290,348 | 397,491 | 461,768 |

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

TABLE 41(17)—PROGRESS OF ELECTRICITY SUPPLY—DELHI

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|----------------|----------------|----------------|----------------|----------------|
| <i>Installed capacity in (kW)—</i> | | | | | |
| Steam | 35,150 | 52,400 | 53,600 | 91,600 | 106,000 |
| Diesel | 7,436 | 2,791 | 22,703 | 20,820 | 20,820 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL . | 42,586 | 55,191 | 76,303 | 112,420 | 126,820 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 131·881 | 231·676 | 271·406 | 387·132 | 426·244 |
| Diesel | 5·400 | 0·541 | 39·350 | 7·349 | 15·574 |
| Hydro | .. | .. | .. | .. | .. |
| TOTAL . | 137·281 | 232·217 | 310·756 | 394·481 | 441·818 |
| Purchased from non-utilities and adjoining States | .. | .. | 142·837 | 336·170 | 411·943 |
| Used by power station auxiliaries | .. | .. | 39·243 | 38·253 | 43·306 |
| Sent out | .. | .. | 414·350 | 692·396 | 810·455 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | .. | 0·067 | 13·280 |
| <i>(ii) Within the State—</i> | | | | | |
| Domestic light and small power | 24·250 | 52·462 | 97·101 | 186·512 | 213·968 |
| Commercial light and small power | 33·003 | 57·629 | 72·892 | 167·295 | 134·705 |
| Industrial power | 32·406 | 74·306 | 153·892 | 178·425 | 255·284 |
| Public lighting | 2·637 | 6·491 | 10·937 | 15·876 | 17·383 |
| Railways/Tramways | .. | 0·347 | 0·171 | .. | .. |
| Irrigation and dewatering | 5·730 | 4·928 | 5·007 | 6·913 | 6·056 |
| Public Water Works and Sewage Pumping | 21·420 | 31·592 | 43·185 | 55·049 | 65·838 |
| TOTAL (ii) . | 119·446 | 227·755 | 383·185 | 610·070 | 693·234 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | .. | 31·475 | 82·259 | 103·938 |

TABLE 41(18)—PROGRESS OF ELECTRICITY SUPPLY—UNION TERRITORIES (EXCLUDING DELHI)

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|--|--------------|--------------|---------------|---------------|----------------|
| <i>Installed capacity in (kW)—</i> | | | | | |
| Steam | 550 | 6,000 | 6,000 | 1,100 | 1,100 |
| Diesel | 725 | 1,258 | 1,964 | 11,171 | 11,706 |
| Hydro | 376 | 376 | 406 | 745 | 1,601 |
| TOTAL | 1,651 | 7,634 | 8,370 | 13,016 | 14,407 |
| <i>Energy (Million kWh)</i> | | | | | |
| <i>Generation—</i> | | | | | |
| Steam | 0.032 | 6.308 | 3.361 | 1.573 | 1.543 |
| Diesel | 0.615 | 1.554 | 2.930 | 19.322 | 19.696 |
| Hydro | 0.688 | 0.789 | 1.028 | 2.164 | 3.258 |
| TOTAL | 1.335 | 8.651 | 7.319 | 23.059 | 24.497 |
| Purchased from non-utilities and adjoining States | .. | .. | 32.006 | 81.427 | 106.518 |
| Used by power station auxiliaries | .. | .. | 1.281 | 1.115 | 0.965 |
| Sent out | .. | .. | 38.044 | 103.371 | 130.050 |
| <i>Sales—</i> | | | | | |
| (i) To adjoining States | .. | .. | .. | .. | .. |
| <i>(ii) Within the State—</i> | | | | | |
| Domestic light and small power | 0.910 | 2.761 | 6.453 | 15.918 | 21.560 |
| Commercial light and small power | 0.372 | 0.553 | 1.601 | 9.960 | 16.680 |
| Industrial power | 0.173 | 3.575 | 15.783 | 39.468 | 53.625 |
| Public lighting | 0.140 | 0.531 | 1.345 | 2.401 | 2.766 |
| Railways/Tramways | .. | .. | .. | .. | .. |
| Irrigation and dewatering | .. | 1.734 | 6.606 | 18.762 | 14.550 |
| Public Water Works and Sewage Pumping | 0.009 | 0.251 | 0.830 | 1.296 | 1.796 |
| TOTAL (ii) | 1.604 | 9.405 | 32.618 | 87.805 | 110.977 |
| Lost in transformation, transmission and distribution, and unaccounted for | .. | 2.326 | 5.426 | 15.566 | 19.073 |

TABLE 42—INDEX NUMBER OF PUBLIC ELECTRICITY SUPPLY—ALL INDIA

| | 1951 | 1956 | 1960-61 | 1965-66 | 1966-67 |
|---|------|-------|---------|---------|---------|
| <i>Installed plant capacity—</i> | | | | | |
| (a) Steam | 100 | 145.4 | 222.0 | 402.4 | 450.2 |
| (b) Gas turbine and diesel | 100 | 139.1 | 184.5 | 298.8 | 286.3 |
| (c) Hydro | 100 | 184.5 | 333.2 | 736.9 | 831.4 |
| ALL TYPES | 100 | 157.2 | 253.5 | 491.8 | 555.0 |
| <i>Energy generated—</i> | | | | | |
| (a) Steam | 100 | 184.4 | 314.2 | 625.1 | 694.3 |
| (b) Gas turbine and diesel | 100 | 106.2 | 167.5 | 178.6 | 157.6 |
| (c) Hydro | 100 | 150.1 | 274.0 | 532.4 | 585.2 |
| ALL TYPES | 100 | 164.9 | 289.1 | 563.1 | 621.5 |
| Coal consumption* | 100 | 166.4 | 257.4 | 414.6 | 453.3 |
| Diesel oil consumption in gas turbine and diesel power stations | 100 | 104.3 | 153.1 | 233.1 | 149.7 |
| Aggregate maximum demand | 100 | 165.1 | 294.2 | 606.2 | 688.0 |
| <i>Energy sales—</i> | | | | | |
| Domestic light and small power | 100 | 157.2 | 251.2 | 396.4 | 442.0 |
| Commercial light and small power | 100 | 165.4 | 256.9 | 500.0 | 551.3 |
| Industrial power | 100 | 174.0 | 317.0 | 617.1 | 667.0 |
| Public lighting | 100 | 173.2 | 285.8 | 413.6 | 455.7 |
| Railways/Tramways | 100 | 122.9 | 137.7 | 324.4 | 358.0 |
| Irrigation and dewatering | 100 | 155.7 | 410.2 | 931.7 | 1,037.0 |
| Public Water Works and Sewage Pumping | 100 | 150.9 | 207.6 | 297.5 | 331.1 |
| All categories | 100 | 166.1 | 288.9 | 557.8 | 607.6 |

*Excludes wood and lignite.

(Base 1951=100)

TABLE 43—TRANSMISSION AND DISTRIBUTION LINES AS ON 31-3-1967

(Circuit kilometres)

| Sl. No. | Name of the State/Union Territory/ Power Corporation | Distri- bution lines upto 500 Volts | 2·2/3-3 kV | | 5/6·6 kV | | 15/11 kV | | 22/20 kV | |
|---------|---|--|------------|------|----------|-------|-----------|-------|----------|------|
| | | | O.H. | U.G. | O.H. | U.G. | O.H. | U.G. | O.H. | U.G. |
| 1 | Andhra Pradesh | 25,513 | .. | .. | .. | .. | 20,097 | .. | .. | .. |
| 2 | Assam* | 1,275 | 24 | 2 | .. | .. | 927 | 25 | .. | .. |
| 3 | Bihar | 17,368 | 40 | 13 | 219 | 54 | 16,721 | 38 | .. | .. |
| 4 | Gujarat | 15,319 | 140 | 151 | 7 | .. | 10,140 | 568 | 3,424 | .. |
| 5 | Jammu & Kashmir | 14,346 | .. | .. | 864 | .. | 1,289 | .. | .. | .. |
| 6 | Kerala | 15,373 | 35 | 102 | 4 | 11 | 6,625 | 34 | 177 | .. |
| 7 | Madhya Pradesh | 8,693 | 127 | 47 | 169 | 12 | 7,800 | 26 | .. | .. |
| 8 | Madras | 87,562 | 86 | 1 | 193 | 84 | 22,759 | 305 | 12,636 | .. |
| 9 | Maharashtra | 33,059 | 116 | 120 | 198 | 812 | 17,800 | 710 | 3,783 | 385 |
| 10 | Mysore | 28,126 | 53 | 4 | 6,148 | 187 | 16,922 | 27 | 72 | .. |
| 11 | Nagaland | 176 | .. | .. | .. | .. | 27 | .. | .. | .. |
| 12 | Orissa | 2,075 | 63 | 3 | 32 | .. | 2,396 | 21 | .. | .. |
| 13 | Punjab and Haryana | 15,722 | 3 | 83 | .. | .. | 17,355 | 5 | .. | .. |
| 14 | Rajasthan | 7,493 | 107 | .. | 58 | 13 | 7,137 | 15 | .. | .. |
| 15 | Uttar Pradesh† | 16,368 | 92 | 176 | 403 | 382 | 38,531 | 101 | .. | .. |
| 16 | West Bengal | 7,901 | 62 | 45 | 550 | 1,538 | 4,866 | 121 | .. | 62 |
| 17 | Union Territories— | | | | | | | | | |
| | (a) Delhi | 4,102 | .. | .. | 85 | 271 | 998 | 425 | .. | .. |
| | (b) Andaman & Nicobar Islands | 49 | .. | .. | 15 | .. | .. | .. | .. | .. |
| | (c) Goa, Daman & Diu | 332 | 564 | 3 | .. | .. | 149 | .. | .. | .. |
| | (d) Dadra & Nagar Haveli | 10 | .. | .. | .. | .. | 19 | .. | .. | .. |
| | (e) Himachal Pradesh | 2,035 | .. | .. | .. | .. | 834 | .. | 671 | .. |
| | (f) Laccadive Minicoy and Islands | 32 | .. | .. | .. | .. | .. | .. | .. | .. |
| | (g) Manipur | 224 | .. | .. | .. | .. | 135 | .. | .. | .. |
| | (h) N.E.F.A. | .. | .. | .. | No | data | available | .. | .. | .. |
| | (i) Pondicherry | 1,874 | 11 | .. | .. | .. | 36 | .. | 276 | .. |
| | (j) Tripura | 122 | .. | .. | .. | .. | 210 | .. | .. | .. |
| 18 | Damodar Valley Corporation | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| | ALL INDIA TOTAL‡ | 305,149 | 1,523 | 750 | 8,945 | 3,364 | 193,773 | 2,421 | 21,039 | 447 |

NOTES :

*1965-66 data for Assam Board repeated due to data having not been made available.

†It transpires that the 1965-66 data submitted by the U. P. State Electricity Board and thus included in the General Review for 1965-66 included length of even non-commissioned lines (The present figures of 1966-67, on length of lines for U.P. do not include non-commissioned lines now).

‡All-India figures include 1965-66 figures of Assam (see note * above) and are exclusive of N.E.F.A., data of which were not made available.

TABLE 43—contd.

(Circuit kilometres)

| Sl. No. | 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. | |
| 1 | Andhra Pradesh | 4,990 | .. | .. | 2,909 | .. | 2,823 | 217 | .. | 56,549 |
| 2 | Assam* | 746 | .. | .. | 273 | .. | 278 | .. | .. | 3,550* |
| 3 | Bihar | 4,258 | .. | .. | .. | .. | 964 | .. | .. | 39,675 |
| 4 | Gujarat | 2,371 | .. | 1 | 2,435 | .. | 782 | 364 | .. | 35,702 |
| 5 | Jammu & Kashmir | 129 | .. | .. | 200 | .. | .. | .. | .. | 16,828 |
| 6 | Kerala | 36 | .. | .. | 1,720 | 731 | .. | 272 | .. | 25,120 |
| 7 | Madhya Pradesh | 6,003 | .. | .. | 506 | .. | 2,240 | 551 | .. | 26,174 |
| 8 | Madras | 2,335 | 46 | .. | 3,117 | 5,032 | .. | .. | 1,191 | 135,347 |
| 9 | Maharashtra | 3,946 | .. | .. | 2,006 | 1,883 | 1,077 | 618 | .. | 66,513 |
| 10 | Mysore | 1,186 | .. | .. | 2,228 | 2,472 | .. | 434 | .. | 57,859 |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. | .. | .. | 203 |
| 12 | Orissa | 2,893 | 26 | .. | 518 | .. | 1,829 | .. | .. | 9,856 |
| 13 | Punjab and Haryana | 27,930 | .. | .. | 620 | .. | 1,249 | 687 | .. | 63,654 |
| 14 | Rajasthan | 4,406 | .. | .. | 344 | .. | 1,148 | .. | .. | 20,721 |
| 15 | Uttar Pradesh† | 3,639 | 37 | 3,347 | 2,177 | .. | 1,643 | 220 | .. | 67,116 |
| 16 | West Bengal | 1,790 | 457 | .. | 228 | .. | 722 | 68 | .. | 18,350 |
| 17 | Union Territories— | | | | | | | | | 6,019 |
| | (a) Delhi | 127 | 11 | .. | .. | .. | .. | .. | .. | 64 |
| | (b) Andaman & Nicobar Islands | .. | .. | .. | .. | .. | .. | .. | .. | 1,495 |
| | (c) Goa, Daman & Diu | 379 | .. | .. | .. | 68 | .. | .. | .. | 29 |
| | (d) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. | .. | .. | 4,018 |
| | (e) Himachal Pradesh | 383 | .. | .. | 95 | .. | .. | .. | .. | .. |
| | (f) Laccadive Minicoy and Amindive Islands | .. | .. | .. | .. | .. | .. | .. | .. | 32 |
| | (g) Manipur | .. | .. | .. | .. | .. | .. | .. | .. | 359 |
| | (h) N.E.F.A. | .. | .. | .. | No | data | available | .. | .. | 2,197 |
| | (i) Pondicherry | .. | .. | .. | .. | .. | .. | .. | .. | 332 |
| | (j) Tripura | .. | .. | .. | .. | .. | .. | .. | .. | .. |
| 18 | Damodar Valley Corporation | 274 | .. | .. | .. | .. | 2,823 | .. | .. | 3,097 |
| | ALL INDIA TOTAL‡ | 67,821 | 577 | 3,348 | 19,376 | 10,186 | 17,578 | 3,371 | 1,191 | 660,859 |

NOTES :

*1965-66 data for Assam Board repeated due to data having not been made available.

†It transpires that the 1965-66 data submitted by the U.P. State Electricity Board and thus included in the General Review for 1965-66 included length of even non-commissioned lines (The present figures of 1966-67, on length of lines for U. P. do not include non-commissioned lines now).

‡All India figures include 1965-66 figures of Assam (see note * above) and are exclusive of N.E.F.A., data of which were not made available.

TABLE 44—LENGTH OF TRANSMISSION LINES (33 kV AND ABOVE) COMMISSIONED DURING THE YEAR 1966-67

| ANDHRA PRADESH | | |
|--------------------|-----------------------------------|---|
| 8 | Circuit kilometres of 220 kV line | Andhra Pradesh State Electricity Board. |
| 606 | Circuit kilometres of 132 kV line | |
| 179 | Circuit kilometres of 33 kV line | |
| No data available. | | ASSAM |
| | | BIHAR |
| 262 | Circuit kilometres of 33 kV line | Bihar State Electricity Board. |
| | | GUJARAT |
| 364 | Circuit kilometres of 220 kV line | Gujarat Electricity Board. |
| 182 | Circuit kilometres of 66 kV line | |
| 353 | Circuit kilometres of 33 kV line | |
| | | MADHYA PRADESH |
| 144 | Circuit kilometres of 220 kV line | Madhya Pradesh Electricity Board. |
| 487 | Circuit kilometres of 33 kV line | |
| | | MADRAS |
| 102 | Circuit kilometres of 220 kV line | Madras State Electricity Board. |
| 180 | Circuit kilometres of 110 kV line | |
| 100 | Circuit kilometres of 66 kV line | |
| 173 | Circuit kilometres of 33 kV line | |
| | | MAHARASHTRA |
| 95 | Circuit kilometres of 220 kV line | Maharashtra State Electricity Board. |
| 748 | Circuit kilometres of 132 kV line | |
| 243 | Circuit kilometres of 110 kV line | |
| | | MYSORE |
| 280 | Circuit kilometres of 110 kV line | Mysore State Electricity Board. |
| 158 | Circuit kilometres of 66 kV line | |
| | | ORISSA |
| 67 | Circuit kilometres of 33 kV line | Orissa State Electricity Board. |
| | | PUNJAB AND HARYANA |
| 30 | Circuit kilometres of 220 kV line | Punjab State Electricity Board. |
| 16 | Circuit kilometres of 33 kV line | |
| | | RAJASTHAN |
| 442 | Circuit kilometres of 33 kV line | Rajasthan State Electricity Board. |
| | | UTTAR PRADESH |
| 220 | Circuit kilometres of 220 kV line | U. P. State Electricity Board. |
| 723 | Circuit kilometres of 132 kV line | |
| 201 | Circuit kilometres of 66 kV line | |
| | | WEST BENGAL |
| 34 | Circuit kilometres of 132 kV line | West Bengal State Electricity Board. |
| 388 | Circuit kilometres of 33 kV line | |

TABLE 45—INSTALLED TRANSFORMER CAPACITY AS ON 31-3-67

| Sl. No. | Name of the 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 | 81 | 767,793 | 437 | 1,192,930 | 9,940 | 742,276 | 10,458 | 2,702,999 |
| 2 | Assam* | 49 | 197,250 | 79 | 187,659 | 364 | 68,923 | 492 | 453,832* |
| 3 | Bihar | 50 | 143,575 | 233 | 558,900 | 7,678 | 401,258 | 7,961 | 1,103,733 |
| 4 | Gujarat | 52 | 612,750 | 274 | 1,305,650 | 5,521 | 526,091 | 5,847 | 2,444,491 |
| 5 | Jammu & Kashmir | 10 | 28,684 | 16 | 22,500 | 704 | 57,552 | 730 | 108,736 |
| 6 | Kerala | 39 | 517,875 | 104 | 467,150 | 4,295 | 766,199 | 4,438 | 1,751,224 |
| 7 | Madhya Pradesh | 66 | 409,995 | 213 | 637,995 | 3,078 | 255,932 | 3,357 | 1,303,922 |
| 8 | Madras | 92 | 1,673,453 | 583 | 3,527,314 | 20,193 | 1,570,193 | 20,868 | 6,770,960 |
| 9 | Maharashtra | 127 | 1,828,550 | 400 | 3,224,475 | 10,766 | 1,267,309 | 11,293 | 6,320,334 |
| 10 | Mysore | 59 | 511,100 | 297 | 1,203,550 | 15,441 | 535,065 | 15,797 | 2,249,715 |
| 11 | Nagaland | 4 | 800 | .. | .. | 15 | 925 | 19 | 1,725 |
| 12 | Orissa | 18 | 308,725 | 141 | 669,350 | 1,037 | 116,235 | 1,196 | 1,094,310 |
| 13 | Punjab and Haryana | 40 | 1,283,578 | 263 | 1,504,858 | 11,031 | 750,370 | 11,334 | 3,538,806 |
| 14 | Rajasthan | 56 | 36,918 | 142 | 217,735 | 2,740 | 250,400 | 2,938 | 505,053 |
| 15 | Uttar Pradesh† | 94 | 808,400 | 368 | 1,291,675 | 10,772 | 1,581,445† | 11,234 | 3,681,520 |
| 16 | West Bengal | 96 | 976,890 | 272 | 1,614,600 | 2,546 | 324,805 | 2,914 | 2,916,295 |
| 17 | Union Territories— | .. | .. | .. | .. | .. | .. | .. | .. |
| | (a) Delhi | 1 | 20,000 | 34 | 221,500 | 1,298 | 369,332 | 1,333 | 610,832 |
| | (b) Andaman and Nicobar Islands | 3 | 750 | .. | .. | 14 | 1,000 | 17 | 1,750 |
| | (c) Goa, Daman and Diu | 2 | 205 | 8 | 606 | 64 | 4,513 | 74 | 5,324 |
| | (d) Dadra and Nagar Haveli | .. | .. | .. | .. | 4 | 350 | 4 | 350 |
| | (e) Himachal Pradesh | 5 | 2,550 | 9 | 10,800 | 520 | 20,605 | 534 | 33,955 |
| | (f) Laccadive, Minicoy & Amindive Islands | .. | .. | No No | data data | available available | .. | .. | .. |
| | (g) N.E.F.A. | 6 | 2,420 | .. | .. | 33 | 1,605‡ | 39 | 4,025 |
| | (h) Manipur‡ | .. | .. | 3 | 700 | 257 | 24,500 | 260 | 25,200 |
| | (i) Pondicherry | 6 | 1,900 | .. | .. | 47 | 3,900 | 53 | 5,800 |
| | (j) Tripura | 16 | 1,225,000 | 65 | 1,304,000 | .. | .. | 81 | 2,529,900 |
| 18 | Damodar Valley Corporation | .. | .. | .. | .. | .. | .. | .. | .. |
| | TOTAL@ | 972 | 11,359,161 | 3,941 | 19,163,947 | 108,358 | 9,640,783 | 113,271 | 40,163,891 |

*Due to non-availability of data of the Assam State Electricity Board, last year's (1965-66) data repeated.

†Due to non-availability of data regarding number of distribution transformer for U. P. State Electricity Board, last year's figure repeated.

‡Due to non-availability of data number and capacity of distribution transformer for Manipur repeated from the previous year.

@Excludes N.E.F.A.'s transformer capacity, and Assam's increase in transformer capacity during 1966-67 as no data for N.E.F.A., and Assam's data of 1965-66 only were available.

TABLE 46—IMPORTANT TRANSFORMERS COMMISSIONED DURING THE YEAR 1966-67

| Name of State/Union Territory/Power Corporation | Voltage Ratio (kVA) | Unit Capacity (kVA) | No. | Aggregate Capacity (kVA) | Remarks |
|---|--|---------------------|-------|--------------------------|---|
| Andhra Pradesh | 132/220 | 65,000 | 2 | 130,000 | Andhra Pradesh State Electricity Board. |
| | 13·8/132 | 65,000 | 2 | 130,000 | |
| | 132/66 | 20,000 | 1 | 20,000 | |
| | 132/33 | 75,000 | 1 | 75,000 | |
| | 132/33 | 7,500 | 1 | 7,500 | |
| | 132/11 | 15,000 | 1 | 15,000 | |
| | 33/3·45 | 7,500 | 1 | 7,500 | |
| Assam | No data available for Assam State Electricity Board. | | | | |
| Bihar | 132/33 | 50,000 | 1 | 50,000 | Damodar Valley Corporation. |
| | 132/33 | 15,000 | 1 | 15,000 | |
| | 132/33/3·15 | 50,000 | 2 | 100,000 | |
| | 14·25/138 | 165,000 | 1 | 165,000 | |
| | 33/11 } 132/35 } 10·5/33/134 } | N.A. | 10 | 92,900 | Bihar State Electricity Board. |
| Gujarat | 66/22 | 30,000 | 1 | 30,000 | Gujarat Electricity Board. |
| | 66/22 | 10,000 | 2 | 20,000 | |
| | 66/11 | 15,000 | 1 | 15,000 | |
| | 66/11 | 10,000 | 4 | 40,000 | |
| | 66/11 | 7,500 | 1 | 7,500 | |
| | 33/11 | 7,500 | 1 | 7,500 | |
| Kerala | 11/220 | N.A. | 9 | 166,500 | Kerala State Electricity Board. |
| | 11/10 | N.A. | 3 | 66,000 | |
| | 220/110 | N.A. | 3 | 60,000 | |
| | 110/66 | 15,000 | 1 | 15,000 | |
| | 110/11 | 5,000 | 2 | 10,000 | |
| Madhya Pradesh | 6·6/11 | N.A. | 2 | 1,500 | Madhya Pradesh Electricity Board. |
| | 132/33 | N.A. | 4 | 75,000 | |
| | 33/11 | N.A. | 28 | 20,450 | |
| | 33/3·3 | 1,000 | 2 | 2,000 | |
| | 33/11 | 1,500 | 1 | 1,500 | |
| Maharashtra | 11/230 | 30,000 | 9 | 270,000 | Maharashtra State Electricity Board. |
| | 100/32 | 22,400 | 2 | 44,800 | |
| | 220/100/22 | 12,500 | 1 | 12,500 | |
| | 220/110/11 | 20,000 | 1 | 20,000 | |
| | 220/110/11 | 125,000 | 1 | 125,000 | |
| | 220/33/11 | 10,000 | 1 | 10,000 | |
| | 110/23·1 | 60,000 | 4 | 240,000 | |
| | 110/33 | 3,000 | 1 | 3,000 | |
| | Mysore | 110/33 | 5,000 | 1 | 5,000 |
| 110/11 | | 5,000 | 1 | 5,000 | |
| 66/11 | | 10,000 | 4 | 40,000 | |
| 66/11 | | 5,000 | 2 | 10,000 | |
| Orissa | 132/33/11 | 10,500 | 1 | 10,500 | Orissa State Electricity Board. |
| | 33/11 | 3,000 | 1 | 3,000 | |
| Punjab and Haryana | 11/220 | 13,500 | 3 | 40,500 | Punjab State Electricity Board. |
| | 11/33 | N.A. | N.A. | 4,000 | |
| | 132/33/11 | N.A. | 3 | 38,800 | |
| | 132/33/3·3 | 12,000 | 1 | 12,000 | |
| | 132/11 | 10,000 | 1 | 10,000 | |
| | 66/33/11 | N.A. | 5 | 48,000 | |

TABLE 46—contd.

| Name of State/Union Territory/Power Corporation | Voltage Ratio (kVA) | Unit Capacity (kVA) | No. | Aggregate Capacity (kVA) | Remarks |
|---|---------------------|---------------------|-----|--------------------------|--|
| Rajasthan . . . | 11/33 | 5,000 | 1 | 5,000 | } Rajasthan State Electricity Board. |
| | 33/11 | 5,000 | 2 | 10,000 | |
| | 132/33/11 | 6,000 | 1 | 6,000 | |
| | 66/11 | 3,000 | 3 | 9,000 | |
| Uttar Pradesh . . . | 132/66 | 20,000 | 1 | 20,000 | } U. P. State Electricity Board. |
| | 132/33 | 20,000 | 3 | 60,000 | |
| | 132/33 | 12,500 | 8 | 100,000 | |
| | 132/6·6 | 20,000 | 2 | 40,000 | |
| | 132/11 | 12,500 | 2 | 25,000 | |
| West Bengal . . . | 6/33 | 3,000 | 2 | 6,000 | } West Bengal State Electricity Board. |
| | 33/11 | 3,000 | 2 | 6,000 | |
| | 66/11 | 3,000 | 2 | 10,000 | |

TABLE 47—CLASSIFICATION OF CONSUMERS AS ON 31-3-1967

| Sl. No. | Name of the State/Union Territory | Domestic | | Commercial | | Industrial | | Public Lighting | |
|---------|---|-----------|---------|-------------------|--------|------------|--------|-----------------|------|
| | | A.C. | D.C. | A.C. | D.C. | A.C. | D.C. | A.C. | D.C. |
| 1 | Andhra Pradesh | 367,693 | .. | 127,559 | .. | 13,513 | .. | 4,034 | .. |
| 2 | Assam* | 33,656 | 2,773 | 3,206 | 1,235 | 779 | 43 | 74 | 2 |
| 3 | Bihar† | 203,446 | 583 | 106,134 | 249 | 18,535 | 33 | 5,098 | .. |
| 4 | Gujarat | 718,224 | 680 | 114,811 | 193 | 45,819 | 102 | 3,143 | 1 |
| 5 | Jammu & Kashmir | 105,313 | .. | 13,685 | .. | 2,721 | .. | 4 | .. |
| 6 | Kerala | 255,642 | .. | 111,869 | .. | 11,348 | .. | 926 | .. |
| 7 | Madhya Pradesh | 262,015 | 3,429 | 54,790 | 1,232 | 16,684 | 67 | 869 | 6 |
| 8 | Madras | 888,043 | .. | 219,114 | .. | 46,769 | .. | 20,939 | .. |
| 9 | Maharashtra | 1,099,294 | 45 | 249,044 | .. | 44,703 | 12 | 4,035 | .. |
| 10 | Mysore | 545,447 | .. | 55,927 | .. | 25,323 | .. | 5,028 | .. |
| 11 | Nagaland | 2,661 | .. | 595 | .. | 28 | .. | 11 | .. |
| 12 | Orissa | 70,109 | .. | 21,300 | .. | 2,879 | .. | 468 | .. |
| 13 | Punjab and Haryana | 797,936 | 6,900 | 198,447 | 11,389 | 35,532 | 335 | 540 | .. |
| 14 | Rajasthan‡ | 178,889 | .. | 56,566 | .. | 7,121 | .. | 705 | .. |
| 15 | Uttar Pradesh | 451,625 | 38,331 | 112,647 | 15,986 | 41,700 | 997 | 1,238 | 3 |
| 16 | West Bengal | 350,847 | 277,382 | 49,152 | 553 | 23,761 | 13,254 | 292 | 9 |
| 17 | Union Territories— | | | | | | | | |
| | (a) Delhi | 341,381 | 4,887 | 59,978 | 2,162 | 9,916 | 10 | 845 | 46 |
| | (b) Andaman & Nicobar Islands | 3,095 | .. | 61 | .. | 39 | .. | 5 | .. |
| | (c) Goa, Daman & Diu | 6,098 | 1,181 | 3,201 | 1,003 | 535 | 28 | 8 | .. |
| | (d) Dadra & Nagar Haveli | 271@ | .. | N.A.§ | .. | 24 | .. | 3 | .. |
| | (e) Himachal Pradesh | 40,556 | .. | 8,966 | .. | 590 | .. | 47 | .. |
| | (f) Laccadive, Minicoy & Amindive Islands | 565 | .. | 70 | .. | 4 | .. | 8 | .. |
| | (g) Manipur | 4,311 | .. | 33 | .. | 90 | .. | 108 | .. |
| | (h) N.E.F.A. | | | No Data Available | | | | | |
| | (i) Pondicherry | 14,982 | .. | 517 | .. | 348 | .. | 9 | .. |
| | (j) Tripura¶ | 3,947 | .. | 228 | .. | 86 | .. | 5 | .. |
| | ALL INDIA TOTAL | 6,746,046 | 336,191 | 1,567,900 | 34,002 | 348,847 | 14,952 | 48,442 | 67 |

NOTES :

*Due to non-availability of data of Assam State Electricity Board 1965-66 data repeated.

†Due to non-availability of data, No. of consumers for irrigation, public lighting, water works & sewage pumping for Bihar Board repeated from data for 1965-66.

‡Due to non-availability of data of Rajasthan Board, 1965-66 data repeated.

¶Due to discrepancy in the data submitted by Tripura, 1964-65 data repeated (1965-66 data were also repeated from 1964-65).

§N.A. means not available.

@Figure 271 seems to be a combined for domestic and commercial.

TABLE 47—contd.

| Sl. No. | Name of the State/Union Territory | Traction | | 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 | .. | .. | 66,744 | .. | 385 | .. | 579,928 | .. | 579,928 |
| 2 | Assam* | .. | .. | N.A.* | .. | 25 | 1 | 37,740 | 4,054 | *41,794 |
| 3 | Bihar† | N.A. | N.A. | 10,822 | 1 | 257 | 7 | 344,292 | 873 | †345,165 |
| 4 | Gujarat | .. | .. | 28,241 | .. | 1,557 | .. | 911,795 | 976 | 912,771 |
| 5 | Jammu & Kashmir | .. | .. | 14 | .. | N.A. | N.A. | 121,737 | .. | 121,737 |
| 6 | Kerala | .. | .. | 8,511 | .. | 364 | .. | 388,660 | .. | 388,660 |
| 7 | Madhya Pradesh | .. | .. | 10,970 | .. | 362 | .. | 345,690 | 4,734 | 350,424 |
| 8 | Madras | 4 | .. | 284,488 | .. | 545 | .. | 1,459,902 | .. | 1,459,902 |
| 9 | Maharashtra | .. | 1 | 67,054 | .. | 686 | .. | 1,464,816 | 58 | 1,464,874 |
| 10 | Mysore | .. | .. | 54,828 | .. | 655 | .. | 687,208 | .. | 687,208 |
| 11 | Nagaland | .. | .. | N.A. | .. | 7 | .. | 3,302 | .. | 3,302 |
| 12 | Orissa | 2 | .. | 145 | .. | 64 | .. | 94,967 | .. | 94,967 |
| 13 | Punjab and Haryana | .. | .. | 53,682 | .. | 33 | 10 | 1,086,170 | 18,634 | 1,104,804 |
| 14 | Rajasthan‡ | .. | .. | 6,817 | .. | 676 | .. | 250,774 | .. | ‡250,774 |
| 15 | Uttar Pradesh | 21 | .. | 22,000 | 3 | 398 | 6 | 629,629 | 55,326 | 684,955 |
| 16 | West Bengal | 13 | .. | 710 | .. | 161 | .. | 424,936 | 291,178 | 716,114 |
| 17 | Union Territories— | | | | | | | | | |
| | (a) Delhi | .. | .. | 206 | .. | 46 | .. | 412,372 | 7,196 | 419,568 |
| | (b) Andaman & Nicobar Islands | .. | .. | .. | .. | 6 | .. | 3,206 | .. | 3,206 |
| | (c) Goa, Daman & Diu | .. | .. | 12 | .. | 9 | .. | 9,863 | 2,212 | 12,075 |
| | (d) Dadra & Nagar Haveli | .. | .. | 17 | .. | .. | .. | 315 | .. | 315 |
| | (e) Himachal Pradesh | .. | .. | 28 | .. | 4 | .. | 50,191 | .. | 50,191 |
| | (f) Laccadive, Minicoy and Amin- dive Islands | .. | .. | .. | .. | .. | .. | 647 | .. | 647 |
| | (g) Manipur | .. | .. | N.A. | .. | 4 | .. | 4,546 | .. | 4,546 |
| | (h) N.E.F.A. | .. | .. | .. | NO | DATA | AVAILABLE | .. | .. | .. |
| | (i) Pondicherry | .. | .. | 3,774 | .. | 128 | .. | 19,758 | .. | 19,758 |
| | (j) Tripura¶ | .. | .. | .. | .. | .. | .. | 4,266 | .. | ¶4,266 |
| | ALL INDIA TOTAL | 40 | 1 | 619,063 | 4 | 6,372 | 24 | 9,336,710 | 385,241 | 9,721,951 |

NOTES :

*Due to non-availability of data of Assam State Electricity Board 1965-66 data repeated.

†Due to non-availability of data, No. of consumers for irrigation public lighting, water works & sewage pumping for Bihar Board repeated from data for 1965-66.

‡Due to non-availability of data of Rajasthan Board, 1965-66 data repeated.

¶Due to discrepancy in the data submitted by Tripura, 1964-65 data repeated (1965-66 data were also repeated from 1964-65).

§N.A. means not available.

@Figure 271 seems to be a combined for domestic and commercial.

TABLE 48—CLASSIFICATION OF CONNECTED LOAD AS ON 31-3-1967

| Sl. No. | Name of State/Union Territory | Domestic | | Commercial | | Industrial | | Public Lighting | |
|---------|--|-----------|---------|------------|--------|------------|--------|-----------------|-------|
| | | A.C. | D.C. | A.C. | D.C. | A.C. | D.C. | A.C. | D.C. |
| 1 | Andhra Pradesh | 189,223 | .. | 86,055 | .. | 451,112 | .. | 8,856 | .. |
| 2 | Assam* | 23,317 | 1,730 | 4,046 | 1,113 | 28,722 | 422 | 1,070 | 63 |
| 3 | Bihar† | 109,678 | 222 | 84,518 | 140 | 443,421 | 200 | 2,682 | .. |
| 4 | Gujarat | 373,228 | 135 | 84,448 | 24 | 640,846 | 380 | 8,191 | 9 |
| 5 | Jammu & Kashmir | 15,591 | .. | 5,193 | .. | 23,009 | .. | N. A. | .. |
| 6 | Kerala | 153,310 | .. | 64,306 | .. | 351,929 | .. | 5,157 | .. |
| 7 | Madhya Pradesh | 144,784 | 1,181 | 38,957 | 1,092 | 373,675 | 358 | 6,316 | 60 |
| 8 | Madras | 499,071 | .. | 133,963 | .. | 883,879 | .. | 23,634 | .. |
| 9 | Maharashtra | 1,001,073 | 669 | 204,562 | .. | 778,116 | 126 | 18,597 | .. |
| 10 | Mysore | 208,547 | .. | 36,980 | .. | 475,518 | .. | 12,101 | .. |
| 11 | Nagaland | 1,607 | .. | 489 | .. | 172 | .. | 119 | .. |
| 12 | Orissa | 52,493 | .. | 23,540 | .. | 221,997 | .. | 2,585 | .. |
| 13 | Punjab and Haryana | 260,014 | 5,706 | 112,970 | 3,939 | 700,656 | 1,655 | 3,881 | 183 |
| 14 | Rajasthan‡ | 96,978 | 30 | 35,930 | 40 | 111,027 | .. | 3,823 | .. |
| 15 | Uttar Pradesh | 242,002 | 27,419 | 88,691 | 10,917 | 722,469 | 7,254 | 16,804 | 337 |
| 16 | West Bengal | 381,986 | 313,271 | 57,205 | 464 | 770,216 | 58,790 | 5,544 | 4,201 |
| 17 | Union Territories— | | | | | | | | |
| | (a) Delhi | 186,632 | 1,597 | 72,458 | 4,756 | 111,481 | 1,033 | 3,393 | 125 |
| | (b) Andaman & Nicobar Islands** | 1,073 | .. | 119 | .. | 863 | .. | 21 | .. |
| | (c) Goa, Daman & Diu | 4,049 | 768 | 2,076 | 863 | 9,795 | 218 | 327 | 21 |
| | (d) Dadra & Nagar Haveli@ | 121 | .. | N.A. | .. | 106 | .. | 10 | .. |
| | (e) Himachal Pradesh | 18,718 | .. | 7,231 | .. | 3,596 | .. | 212 | .. |
| | (f) Laccadive, Minicoy and Amin- dive Islands | 211 | .. | 72 | .. | 30 | .. | 19 | .. |
| | (g) Manipur†† | 1,873 | .. | 65 | .. | 520 | .. | 27 | .. |
| | (h) N.E.F.A. | .. | .. | .. | .. | .. | .. | .. | .. |
| | (i) Pondicherry | 10,720 | .. | 1,636 | .. | 14,729 | .. | 392 | .. |
| | (j) Tripura‡‡ | 1,699 | .. | 159 | .. | 1,059 | .. | 37 | .. |
| | TOTAL | 3,977,998 | 332,727 | 1,145,669 | 23,348 | 7,118,943 | 70,436 | 123,798 | 4,999 |

NOTES :

* Assam's data for 1966-67 were not supplied to us. The figures given are those for 1965-66. The total figure against Assam excludes the Irrigation Load, data for which were not supplied in the figures supplied by them for 1965-66.

† Connected load for irrigation public lighting, water works and sewage pumping for Bihar Board being not available, last year figures repeated.

‡ Due to non-availability of data for Rajasthan Board, last year data repeated.

** Due to non-availability of data for Andaman & Nicobar last year data repeated.—(contd.)

@ Figure 121 seems to be combined for Domestic and Commercial.

TABLE 48—contd.

| Sl. No. | Name of State/Union Territory | Traction | | 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 | .. | .. | 319,590 | .. | 3,362 | .. | 1,058,198 | .. | 1,058,198 |
| 2 | Assam* | .. | .. | N.A. | N.A. | 462 | 24 | 57,617 | 3,352 | 60,969* |
| 3 | Bihar† | N.A. | N.A. | 42,594† | 4† | 8,942 | 200 | 691,835 | 766 | 692,601† |
| 4 | Gujarat | .. | .. | 140,685 | .. | 27,802 | .. | 1,275,200 | 548 | 1,275,748 |
| 5 | Jammu & Kashmir | .. | .. | 734 | .. | N.A. | N.A. | 44,527 | .. | 44,527 |
| 6 | Kerala | .. | .. | 54,982 | .. | 4,571 | .. | 634,255 | .. | 634,255 |
| 7 | Madhya Pradesh | .. | .. | 34,239 | .. | 12,746 | .. | 610,717 | 2,691 | 613,408 |
| 8 | Madras | 97,525 | .. | 983,746 | .. | 8,585 | .. | 2,630,403 | .. | 2,630,403 |
| 9 | Maharashtra | .. | 1,408 | 220,646 | .. | 24,325 | .. | 2,247,319 | 2,203 | 2,249,522 |
| 10 | Mysore | .. | .. | 190,295 | .. | 17,636 | .. | 941,077 | .. | 941,077 |
| 11 | Nagaland | .. | .. | .. | .. | 134 | .. | 2,521 | .. | 2,521 |
| 12 | Orissa | 25,000 | .. | 1,862 | .. | 2,029 | .. | 329,506 | .. | 329,506 |
| 13 | Punjab and Haryana | .. | .. | 252,129 | .. | 4,025 | 149 | 1,333,675 | 11,632 | 1,345,307 |
| 14 | Rajasthan‡ | .. | .. | 28,041 | .. | 13,003 | .. | 288,802 | 70 | 288,872‡ |
| 15 | Uttar Pradesh | 21,509 | .. | 206,228 | 14 | 17,654 | 295 | 1,315,357 | 46,236 | 1,361,593 |
| 16 | West Bengal | 15,099§ | .. | 5,661 | .. | 26,956 | .. | 1,262,667 | 376,726 | 1,639,393 |
| 17 | Union Territories— | | | | | | | | | |
| | (a) Delhi | .. | .. | 2,904 | .. | 19,494 | .. | 396,362 | 7,510 | 403,872 |
| | (b) Andaman & Nicobar Islands ** | .. | .. | .. | .. | 121 | .. | 2,197 | .. | 2,197** |
| | (c) Goa, Daman & Diu | .. | .. | 68 | .. | 331 | .. | 16,646 | 1,870 | 18,516 |
| | (d) Dadra and Nagar Haveli | .. | .. | 65 | .. | .. | .. | 302 | .. | 302 |
| | (e) Himachal Pradesh | .. | .. | 147 | .. | 95 | .. | 29,999 | .. | 29,999 |
| | (f) Laccadive, Minicoy and Amin-dive Islands | .. | .. | .. | .. | .. | .. | 332 | .. | 332 |
| | (g) Manipur†† | .. | .. | N.A. | .. | 27 | .. | 2,512 | .. | 2,512†† |
| | (h) N.E.F.A. | .. | .. | NO DATA | AVAILABLE | .. | .. | .. | .. | .. |
| | (i) Pondicherry | .. | .. | 16,588 | .. | 1,212 | .. | 45,277 | .. | 45,277 |
| | (j) Tripura‡‡ | .. | .. | .. | .. | .. | .. | 2,954 | .. | 2,954‡‡ |
| | TOTAL | 159,133 | 1,408 | 2,501,204 | 18 | 193,512 | 668 | 15,220,257 | 453,604 | 15,673,861 |

††Due to discrepancy in the data submitted by Manipur, last year data repeated.

‡‡Due to discrepancy in the data submitted by Tripura, last year data repeated.

§The traction figure for West Bengal does not include connected load of Traction of West Bengal State Electricity Board.

TABLE 49(a)—STATEMENT SHOWING THE NUMBER OF VILLAGES ELECTRIFIED IN THE VARIOUS POPULATION GROUPS (1961 CENSUS) AS ON 31-3-1967

| Sl. No. | Name of State | Population Groups | | | | | | Total Electrified | | Position |
|--------------------|--|-------------------|---------|-----------|-----------|-----------|-----------------|-------------------|-----------------------------|----------|
| | | 0-499 | 500-999 | 1000-1999 | 2000-4999 | 5000-9999 | 10000 and above | No. | % | |
| 1 | Andhra Pradesh | 295 | 735 | 1,397 | 1,682 | 338 | 25 | 4,472 | †As per 1951 Cen- sus | |
| 2 | Assam | 18 | 20 | 30 | 35 | 28 | .. | 105 | | |
| 3 | Bihar | 1,182 | 1,198 | 1,170 | 835 | 128 | 10 | 4,523 | | |
| 4 | Gujarat | 201 | 332 | 732 | 840 | 134 | 7 | 2,246 | | |
| 5 | Haryana | 273 | 324 | 342 | 270 | 40 | 2 | 1,251 | | |
| 6 | Jammu & Kashmir | 230 | 200 | 100 | 106 | 5 | .. | 641@ | | |
| 7 | Kerala | 60 | 160 | 500 | 730 | 355 | .. | 1,805 | | |
| 8 | Madhya Pradesh | 401 | 261 | 295 | 321 | 14 | .. | 1,292 | | |
| 9 | Madras | 621 | 1,532 | 2,551 | 2,228 | 378 | 96 | 7,406 | | |
| 10 | Maharashtra | 1,556 | 1,520 | 1,563 | 1,077 | 229 | 25 | 5,970 | | |
| 11 | Mysore | 1,635 | 1,351 | 1,130 | 615 | 105 | .. | 4,836 | | |
| 12 | Nagaland | 2 | 3 | 5 | .. | .. | .. | 10 | | |
| 13 | Orissa | 137 | 110 | 210 | 163 | 11 | .. | 631@ | | |
| 14 | Punjab | 1,212 | 1,020 | 1,040 | 360 | 40 | 1 | 3,673@ | | |
| 15 | Rajasthan | 563 | 393 | 384 | 275 | 72 | .. | 1,687 | | |
| 16 | Uttar Pradesh | 2,640 | 3,000 | 2,250 | 1,720 | 250 | 23 | 9,883@ | | |
| 17 | West Bengal | 200 | 332 | 370 | 350 | 90 | 13 | 1,355@ | | |
| SUB-TOTAL (STATES) | | 11,226 | 12,491 | 14,069 | 11,607 | 2,191 | 202 | 51,786 | | |
| Union Territories— | | | | | | | | | | |
| | (a) Andaman & Nicobar Islands | 21 | .. | 2 | .. | .. | .. | 23 | | |
| | (b) Chandigarh | 3 | 5 | 1 | .. | .. | .. | 9 | | |
| | (c) Dadra & Nagar Haveli | .. | .. | 1 | 2 | .. | .. | 3 | | |
| | (d) Delhi | 76 | 99 | 59 | 42 | .. | .. | 276 | | |
| | (e) Goa, Daman & Diu | .. | 5 | 6 | 16 | 4 | 1 | 32 | | |
| | (f) Himachal Pradesh | 1,343 | 132 | 29 | 2 | .. | .. | 1,506 | | |
| | (g) Laccadive, Minicoy & Amin- dive Islands | .. | .. | .. | 4 | .. | .. | 4 | | |
| | (h) Manipur | 9 | 12 | 29 | 23 | 1 | .. | 74 | | |
| | (i) N.E.F.A. | 19 | 7 | 4 | 5 | .. | .. | 35 | | |
| | (j) Pondicherry* | 142 | 76 | 60 | 21 | 3 | .. | 302 | | |
| | (k) Tripura | 4 | 18 | 7 | 13 | .. | .. | 42 | | |
| SUB-TOTAL (U.Ts.) | | 1,617 | 354 | 198 | 128 | 8 | 1 | 2,306 | | |
| GRAND TOTAL | | 12,843 | 12,845 | 14,267 | 11,735 | 2,199 | 203 | 54,092 | | |

*Includes Kariakal, Mahe and Yanam.

†Indicates population-wise break up estimated.

@Provisional.

TABLE 49(b)—STATEMENT SHOWING THE NUMBER OF TOWNS ELECTRIFIED IN THE VARIOUS POPULATION GROUPS
(1961 CENSUS) AS ON 31-3-1967

| Sl. No. | State/Union Territory | Population Groups | | | | | | Grand Total |
|---------|--|-------------------|-----------|-------------|-------------|---------------|-------------|-------------|
| | | 0-4999 | 5000-9999 | 10000-19999 | 20000-49999 | 50000 to lakh | Over 1 lakh | |
| 1 | Andhra Pradesh | 7 | 69 | 72 | 51 | 9 | 11 | 219 |
| 2 | Assam | 5 | 17 | 11 | 10 | 2 | 1 | 46 |
| 3 | Bihar | 8 | 46 | 52 | 33 | 7 | 7 | 153 |
| 4 | Gujarat | 8 | 58 | 54 | 43 | 9 | 6 | 178 |
| 5 | Haryana | 12 | 15 | 15 | 11 | 7 | 1 | 61 |
| 6 | Jammu & Kashmir | 29 | 6 | 4 | 1 | .. | 2 | 42@ |
| 7 | Kerala | 1 | 17 | 30 | 31 | 5 | 4 | 88 |
| 8 | Madhya Pradesh | 15 | 96 | 57 | 35 | 6 | 6 | 215 |
| 9 | Madras | 36 | 95 | 119 | 61 | 19 | 9 | 339 |
| 10 | Maharashtra | 15 | 83 | 85 | 47 | 15 | 12 | 257 |
| 11 | Mysore | 37 | 64 | 80 | 34 | 9 | 6 | 230 |
| 12 | Nagaland | .. | 3 | .. | .. | .. | .. | 3 |
| 13 | Orissa | 3 | 25 | 22 | 8 | 3 | 1 | 62 |
| 14 | Punjab | 20 | 35 | 23 | 23 | 4 | 4 | 109 |
| 15 | Rajasthan | 7 | 51 | 51 | 23 | 4 | 6 | 142 |
| 16 | Uttar Pradesh | 16 | 62 | 81 | 56 | 18 | 17 | 250@ |
| 17 | West Bengal | 10 | 44 | 45 | 46 | 19 | 12 | 176 |
| | SUB-TOTAL (STATES) . | 229 | 786 | 801 | 513 | 136 | 105 | 2,570 |
| | <i>Union Territories—</i> | | | | | | | |
| | (a) Andaman & Nicobar Islands | .. | .. | 1 | .. | .. | .. | 1 |
| | (b) Chandigarh | .. | 1 | .. | .. | 1 | .. | 2 |
| | (c) Dadra & Nagar Haveli | .. | .. | .. | .. | .. | .. | .. |
| | (d) Delhi | .. | .. | .. | 1 | .. | 2 | 3 |
| | (e) Goa, Daman & Diu | 5 | 4 | 1 | 1 | .. | .. | 11 |
| | (f) Himachal Pradesh | 18 | 7 | 4 | 1 | .. | .. | 30 |
| | (g) Laccadive, Minicoy and Amin- dive Islands | .. | .. | .. | .. | .. | .. | .. |
| | (h) Manipur | .. | .. | .. | .. | 1 | .. | 1 |
| | (i) N.E.F.A. | .. | .. | .. | .. | .. | .. | .. |
| | (j) Pondicherry | .. | 2 | 1 | 2 | .. | .. | 5 |
| | (k) Tripura | .. | 4 | 1 | .. | 1 | .. | 6 |
| | SUB-TOTAL (U.Ts.) . | 23 | 18 | 8 | 5 | 3 | 2 | 59 |
| | GRAND TOTAL | 252 | 804 | 809 | 518 | 139 | 107 | 2,629 |

@Estimated.

TABLE 50—ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES DURING 1966-67

| Sl. No. | Industry | Total Number of Factories covered | Installed Generating Plant capacity as on 31-3-67 (kW) | Aggregate Maximum Demand (kW) | | Energy Generated (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) | 6 | 22,734 | 14,720 | 244,728 | 108.103 | 1,690.928 | 1,787.469 | .. | 78.65 |
| 2 | Aluminium (Secondary) | 9 | 630 | 255 | 11,021 | 0.076 | 55.071 | 54.804 | .. | 55.48 |
| 3 | Cement (Primary) | 27 | 112,244 | 69,215 | 116,649 | 381.205 | 656.892 | 991.643 | 1.615 | 60.90 |
| 4 | Cement (Secondary) | 25 | 630 | 150 | 10,221 | 0.001 | 31.281 | 30.201 | .. | 33.24 |
| 5 | Chemicals | 35 | 30,297 | 30,874 | 100,572 | 161.152 | 557.031 | 684.293 | 0.778 | 59.43 |
| 6 | Collieries | 144 | 61,850 | 35,705 | 95,464 | 169.839 | 410.386 | 567.155 | 2.575 | 49.36 |
| 7 | Copper (Primary) | 1 | 8,975 | 1,500 | 7,240 | 9.199 | 40.399 | 49.138 | .. | 64.18 |
| 8 | Copper (Secondary) | 1 | .. | .. | 1,389 | .. | 5.056 | 5.056 | .. | 41.55 |
| 9 | Cotton Textiles | 330 | 117,688 | 71,471 | 542,730 | 274.876 | 2,632.091 | 2,852.006 | 20.026 | 53.01 |
| 10 | Engineering | 27 | 7,223 | 2,112 | 91,461 | 1.610 | 327.202 | 323.391 | .. | 39.45 |
| 11 | Ferro-Manganese | 5 | 32 | 226 | 61,390 | 0.003 | 341.914 | 341.015 | .. | 63.18 |
| 12 | Fertilizers | 5 | 82,405 | 61,150 | 220,848 | 404.362 | 1,534.097 | 1,902.270 | .. | 77.00 |
| 13 | Gold | 1 | 6,700 | 15 | 16,800 | 0.084 | 95.684 | 95.768 | .. | 65.02 |
| 14 | Iron & Steel (Primary) | 7 | 366,544 | 263,020 | 335,959 | 1,476.481 | 1,641.216 | 2,514.259 | 394.598 | 47.92 |
| 15 | Iron & Steel (Secondary) | 18 | 1,175 | 500 | 51,172 | 0.245 | 171.950 | 171.084 | 1.098 | 37.80 |
| 16 | Jute | 73 | 33,210 | 13,540 | 117,689 | 50.632 | 615.874 | 652.038 | 1.909 | 56.72 |
| 17 | Oil & Petroleum | 7 | 57,809 | 26,720 | 12,748 | 139.080 | 59.309 | 168.355 | 8.328 | 48.69 |
| 18 | Paper | 25 | 82,299 | 56,469 | 93,198 | 387.442 | 532.784 | 847.273 | 32.105 | 64.62 |
| 19 | Silk | 21 | 44,804 | 29,435 | 52,007 | 189.315 | 261.574 | 418.591 | 0.360 | 58.67 |
| 20 | Soap | 10 | .. | .. | 9,472 | .. | 31.949 | 31.753 | .. | 38.27 |
| 21 | Sugar | 141 | 166,773 | 108,762 | 17,363 | 277.549 | 45.547 | 301.952 | 3.420 | 27.33 |
| 22 | Tanneries | 7 | 757 | 658 | 5,033 | 0.926 | 21.950 | 22.512 | .. | 45.16 |
| 23 | Wool | 10 | 3,350 | 1,480 | 10,619 | 3.372 | 41.342 | 44.097 | .. | 41.61 |
| 24 | Mines | 6 | 4,936 | 2,103 | 7,413 | 5.481 | 11.410 | 16.183 | .. | 19.41 |
| 25 | Miscellaneous | 8 | 6,825 | 3,491 | 2,807 | 7.147 | 8.224 | 14.877 | 0.229 | 26.97 |
| TOTAL | | 949 | 1,219,890 | 793,571 | 2,235,993 | 4,048.180 | 11,821.161 | 14,887.183 | 467.041 | 56.10 |

TABLE 51—STATEWISE ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES DURING 1966-67

| Sl. No. | Name of State/Union Territory | Total Number of Factories covered | Installed Generating Plant Capacity as on 31.3.67 (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 | 34 | 59,897 | 37,187 | 80,302 | 180.782 | 435.271 | 568.786 | 34.651 |
| 2 | Assam | 3 | 9,891 | 5,070 | 265 | 28.844 | 0.811 | 28.866 | 0.223 |
| 3 | Bihar | 108 | 318,508 | 185,075 | 244,833 | 1,058.901 | 1,264.366 | 1,893.497 | 320.294 |
| 4 | Gujarat | 112 | 86,405 | 48,616 | 177,009 | 266.028 | 891.541 | 1,124.934 | 5.523 |
| 5 | Jammu & Kashmir | 1 | .. | .. | N.A. | .. | 0.260 | 0.260 | .. |
| 6 | Kerala | 20 | 18,034 | 13,528 | 91,132 | 65.079 | 512.217 | 561.580 | .. |
| 7 | Madhya Pradesh | 4+ | 98,906 | 77,010 | 110,110 | 450.041 | 554.345 | 875.895 | 46.136 |
| 8 | Madras | 89 | 34,838 | 26,975 | 129,883 | 74.149 | 674.915 | 725.098 | .. |
| 9 | Maharashtra | 149 | 70,708 | 54,802 | 316,198 | 153.242 | 1,646.097 | 1,786.074 | 2.644 |
| 10 | Mysore | 34 | 41,571 | 23,594 | 161,113 | 61.582 | 765.047 | 818.160 | 0.095 |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 10 | 144,854 | 130,930 | 141,153 | 723.752 | 638.577 | 1,235.062 | 42.880 |
| 13 | Punjab | 17 | 21,328 | 17,080 | 200,007 | 78.727 | 1,447.331 | 1,518.593 | .. |
| 14 | Rajasthan | 23 | 47,974 | 32,656 | 23,599 | 178.103 | 112.988 | 276.760 | 0.229 |
| 15 | Uttar Pradesh | 82 | 77,047 | 36,427 | 204,764 | 127.930 | 1,146.566 | 1,264.599 | 0.247 |
| 16 | West Bengal | 208 | 160,757 | 80,527 | 339,129 | 487.907 | 1,671.172 | 2,050.391 | 14.119 |
| 17 | Union Territories :— | | | | | | | | |
| | (a) Delhi | 6 | 22,791 | 21,516 | 8,493 | 106.781 | 33.676 | 127.493 | .. |
| | (b) The Rest | 9 | 6,381 | 2,578 | 8,003 | 6.332 | 25.981 | 31.115 | .. |
| | TOTAL | 949 | 1,219,890 | 793,571 | 2,235,993 | 4,048.180 | 11,821.161 | 14,887.183 | 467.041 |

TABLE 52—DISTRIBUTION OF GENERATING PLANT CAPACITY IN INDUSTRIAL ESTABLISHMENTS
ACCORDING TO THE RANGE OF INSTALLED PLANT CAPACITY 1966-67

| Sl. No. | Range of Installed Plant Capacity (kW) | No. of Industrial Establishments | Aggregate Installed Capacity of the Group (kW) | Percentage to total Capacity | Energy Generated by the Group (Million kWh) | Percentage to total Energy Generated |
|---------|--|----------------------------------|--|------------------------------|---|--------------------------------------|
| 1 | Under 1,000 | 210 | 81,643 | 6.69 | 129.877 | 3.21 |
| 2 | 1,001 to 5,000 | 128 | 264,478 | 21.68 | 552.501 | 13.65 |
| 3 | 5,001 to 10,000 | 21 | 158,730 | 13.01 | 435.628 | 10.76 |
| 4 | 10,001 to 25,000 | 19 | 288,895 | 23.68 | 1,113.626 | 27.51 |
| 5 | Over 25,000 | 5 | 426,144 | 34.94 | 1,816.548 | 44.87 |
| | TOTAL | 383 | 1,219,890 | 100.00 | 4,048.180 | 100.00 |

TABLE 53—INSTALLED GENERATING PLANT CAPACITY OF

| Sl. No. | Name of State/Union Territory | Aluminium (Primary) | Aluminium (Secondary) | Cement (Primary) | Cement (Secondary) | Chemicals | Collieries |
|---------|-------------------------------|---------------------|-----------------------|------------------|--------------------|---------------|---------------|
| 1 | Andhra Pradesh | .. | .. | .. | 310 | .. | 20,700 |
| 2 | Assam | .. | .. | .. | .. | .. | .. |
| 3 | Bihar | 4,284 | .. | 32,594 | .. | .. | 25,750 |
| 4 | Gujarat | .. | .. | 16,400 | .. | 14,680 | .. |
| 5 | Jammu & Kashmir | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | .. | 420 | .. | .. | 366 | .. |
| 7 | Mudhya Pradesh | .. | .. | 17,815 | .. | .. | 9,900 |
| 8 | Madras | .. | .. | 2,295 | 170 | .. | .. |
| 9 | Maharashtra | .. | .. | .. | 150 | 1,719 | .. |
| 10 | Mysore | .. | .. | 10,000 | .. | .. | .. |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | .. | 210 | 400 | .. | .. | 3,000 |
| 13 | Punjab | .. | .. | 2,700 | .. | .. | .. |
| 14 | Rajasthan | .. | .. | 30,040 | .. | .. | .. |
| 15 | Uttar Pradesh | .. | .. | .. | .. | 12,842 | .. |
| 16 | West Bengal | 18,450 | .. | .. | .. | 630 | 2,500 |
| 17 | Union Territories — | | | | | | |
| | (a) Delhi | .. | .. | .. | .. | 60 | .. |
| | (b) The Rest | .. | .. | .. | .. | .. | .. |
| | TOTAL | 22,734 | 630 | 112,244 | 630 | 30,297 | 61,850 |

SELECTED INDUSTRIES IN kW AS ON 31-3-1967

| Copper (Primary) | Copper (Secondary) | Cotton Textiles | Engineering | Ferro Manganese | Fertilizer | Gold |
|---------------------|-----------------------|--------------------|-------------|--------------------|------------|-------|
| .. | .. | 2,950 | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. |
| 8,975 | .. | .. | .. | .. | 80,500 | .. |
| .. | .. | 15,325 | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 341 | .. | .. | 1,200 | .. |
| .. | .. | 17,645 | .. | .. | .. | .. |
| .. | .. | 16,852 | .. | .. | .. | .. |
| .. | .. | 15,029 | 800 | .. | .. | .. |
| .. | .. | 6,817 | 3,600 | 32 | .. | 6,700 |
| .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 1,600 | .. | .. | .. | .. |
| .. | .. | 2,145 | .. | .. | 545 | .. |
| .. | .. | 9,664 | 2,371 | .. | 160 | .. |
| .. | .. | 4,322 | 452 | .. | .. | .. |
| .. | .. | 192 | .. | .. | .. | .. |
| .. | .. | 22,731 | .. | .. | .. | .. |
| .. | .. | 2,705 | .. | .. | .. | .. |
| 8,975 | .. | 117,688 | 7,223 | 32 | 82,405 | 6,700 |

TABLE 53—INSTALLED GENERATING PLANT CAPACITY OF

| Sl. No. | Name of State/Union Territory | Iron & Steel (Primary) | Iron & Steel (Secondary) | Jute | Mines | Oil and Petroleum | Paper |
|---------|-------------------------------|------------------------|--------------------------|---------------|--------------|-------------------|---------------|
| 1 | Andhra Pradesh | .. | .. | .. | .. | 75 | 18,200 |
| 2 | Assam | .. | .. | .. | .. | 9,516 | .. |
| 3 | Bihar | 120,500 | .. | 5,985 | .. | 24,000 | .. |
| 4 | Gujarat | .. | .. | .. | 705 | 24,000 | .. |
| 5 | Jammu & Kashmir | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | .. | 575 | .. | .. | .. | 1,232 |
| 7 | Madhya Pradesh | 36,000 | .. | .. | .. | .. | 580 |
| 8 | Madras | .. | .. | .. | .. | .. | 2,500 |
| 9 | Maharashtra | .. | .. | .. | .. | .. | .. |
| 10 | Mysore | 900 | .. | .. | .. | .. | 5,000 |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 129,144 | .. | .. | .. | .. | 10,500 |
| 13 | Punjab | .. | .. | .. | .. | .. | 9,750 |
| 14 | Rajasthan | .. | .. | .. | .. | .. | .. |
| 15 | Uttar Pradesh | .. | .. | 780 | .. | .. | 3,837 |
| 16 | West Bengal | 80,000 | 600 | 26,445 | .. | 218 | 30,700 |
| 17 | Union Territories :— | | | | | | |
| | (a) Delhi | .. | .. | .. | .. | .. | .. |
| | (b) Rest | .. | .. | .. | 4,231 | .. | .. |
| | TOTAL | 366,544 | 1,175 | 33,210 | 4,936 | 57,809 | 82,299 |

SELECTED INDUSTRIES IN kW AS ON 31-3-1967—contd.

| Silk | Soap | Sugar | Tanneries | Wool | Miscellaneous | Total |
|--------|------|---------|-----------|-------|---------------|-----------|
| .. | .. | 16,662 | .. | .. | 1,000 | 59,897 |
| .. | .. | .. | .. | .. | 375 | 9,891 |
| .. | .. | 14,900 | .. | .. | 10,203 | 18,508 |
| 12,840 | .. | 2,455 | .. | .. | .. | 86,405 |
| .. | .. | .. | .. | .. | .. | .. |
| 11,400 | .. | 2,500 | .. | .. | .. | 18,034 |
| 13,250 | .. | 3,716 | .. | .. | .. | 98,906 |
| .. | .. | 12,554 | 307 | .. | 160 | 34,838 |
| 4,480 | .. | 47,136 | .. | .. | 1,394 | 70,708 |
| .. | .. | 8,522 | .. | .. | .. | 41,571 |
| .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | 144,854 |
| .. | .. | 5,288 | .. | 900 | .. | 21,328 |
| 2,834 | .. | 884 | .. | .. | 2,021 | 47,974 |
| .. | .. | 51,134 | 450 | 2,450 | 780 | 77,047 |
| .. | .. | 1,022 | .. | .. | .. | 160,757 |
| .. | .. | .. | .. | .. | .. | 22,791 |
| .. | .. | .. | .. | .. | 75 | 6,381 |
| 44,804 | .. | 166,773 | 757 | 3,350 | 6,825 | 1,219,890 |

TABLE 54—ENERGY CONSUMED IN SELECTED

| Sl. No. | Name of State/Union Territory | Aluminium (Primary) | Aluminium (Secondary) | Cement (Primary) | Cement (Secondary) | Chemicals | Collieries |
|---------|-------------------------------|---------------------|-----------------------|------------------|--------------------|-----------|------------|
| 1 | Andhra Pradesh | .. | .. | 61·209 | 0·017 | .. | 64·692 |
| 2 | Assam | .. | .. | .. | .. | .. | .. |
| 3 | Bihar | 16·963 | 0·179 | 254·017 | 1·296 | 19·514 | 271·516 |
| 4 | Gujarat | .. | .. | 115·008 | 0·627 | 104·789 | .. |
| 5 | Jammu & Kashmir | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | 276·085 | 5·096 | 6·602 | .. | 31·267 | .. |
| 7 | Madhya Pradesh | .. | .. | 75·010 | 6·118 | .. | 57·004 |
| 8 | Madras | 152·003 | 0·104 | 138·667 | 1·127 | 75·265 | .. |
| 9 | Maharashtra | .. | 11·524 | .. | 7·648 | 197·114 | 2·391 |
| 10 | Mysore | .. | .. | 58·590 | .. | 0·857 | .. |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 362·658 | 3·763 | 35·946 | .. | .. | 12·437 |
| 13 | Punjab | .. | .. | 66·524 | .. | .. | .. |
| 14 | Rajasthan | .. | .. | 131·613 | 0·689 | .. | .. |
| 15 | Uttar Pradesh | 797·688 | .. | 48·457 | .. | 58·929 | .. |
| 16 | West Bengal | 182·072 | 34·138 | .. | 12·566 | 137·512 | 159·115 |
| 17 | Union Territories : | | | | | | |
| | (a) Delhi | .. | .. | .. | 0·113 | 59·046 | .. |
| | (b) Rest | .. | .. | .. | .. | .. | .. |
| | TOTAL | 1,787·469 | 54·804 | 991·643 | 30·201 | 684·293 | 567·155 |

INDUSTRIES 1966-67 (MILLION kWh)

| Copper (Primary) | Copper (Secondary) | Cotton Textiles | Engineering | Ferro- manganese | Fertilizer | Gold |
|---------------------|-----------------------|--------------------|-------------|---------------------|------------|--------|
| .. | .. | 14·831 | 4·363 | 117·855 | .. | .. |
| .. | .. | .. | .. | .. | .. | .. |
| 49·138 | .. | .. | 155·533 | .. | 404·542 | .. |
| .. | .. | 800·177 | 3·140 | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 10·499 | .. | .. | 156·895 | .. |
| .. | .. | 133·500 | 5·441 | .. | .. | .. |
| .. | .. | 286·893 | .. | .. | .. | .. |
| .. | 5·056 | 973·070 | 39·147 | 77·478 | .. | .. |
| .. | .. | 62·664 | 52·168 | 38·260 | 12·972 | 95·768 |
| .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | 107·422 | .. | .. |
| .. | .. | 38·472 | 1·989 | .. | 1,327·567 | .. |
| .. | .. | 128·628 | .. | .. | 0·294 | .. |
| .. | .. | 194·051 | 4·026 | .. | .. | .. |
| .. | .. | 119·136 | 57·584 | .. | .. | .. |
| .. | .. | 68·334 | .. | .. | .. | .. |
| .. | .. | 21·751 | .. | .. | .. | .. |
| 49·138 | 5·056 | 2,852·006 | 323·391 | 341·015 | 1,902·270 | 95·768 |

TABLE 54—ENERGY CONSUMED IN SELECTED

| Sl. No. | Name of State/Union Territory | Iron & Steel (Primary) | Iron & Steel (Secondary) | Jute | Mines | Oil and Petroleum | Paper |
|---------|-------------------------------|------------------------|--------------------------|---------|--------|-------------------|---------|
| 1 | Andhra Pradesh . . . | .. | .. | 11·059 | .. | 15·609 | 210·165 |
| 2 | Assam | .. | .. | .. | .. | 28·055 | .. |
| 3 | Bihar | 591·920 | 49·931 | 10·843 | 7·078 | 44·184 | .. |
| 4 | Gujarat | .. | .. | .. | .. | 38·024 | 8·018 |
| 5 | Jammu & Kashmir . . . | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | .. | 3·225 | .. | .. | .. | 8·032 |
| 7 | Madhya Pradesh . . . | 469·800 | .. | .. | .. | .. | 58·833 |
| 8 | Madras | .. | 4·085 | .. | .. | .. | 32·213 |
| 9 | Maharashtra | .. | 38·582 | .. | .. | 40·000 | 72·951 |
| 10 | Mysore | 380·817 | .. | .. | .. | .. | 75·830 |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 603·630 | .. | .. | .. | .. | 107·997 |
| 13 | Punjab | .. | .. | .. | .. | .. | 63·023 |
| 14 | Rajasthan | .. | 0·310 | .. | .. | .. | .. |
| 15 | Uttar Pradesh | .. | 10·743 | 12·860 | .. | .. | 40·762 |
| 16 | West Bengal | 468·092 | 64·208 | 617·276 | .. | 2·483 | 169·449 |
| 17 | Union Territories : | | | | | | |
| | (a) Delhi | .. | .. | .. | .. | .. | .. |
| | (b) Rest | .. | .. | .. | 9·105 | .. | .. |
| | TOTAL | 2,514·259 | 171·084 | 652·038 | 16·183 | 168·355 | 847·273 |

INDUSTRIES 1966-67 (MILLION kWh)—contd.

| Silk | Soap | Sugar | Tanneries | Wool | Miscellaneous | Total |
|---------|--------|---------|-----------|--------|---------------|------------|
| 32·389 | .. | 36·597 | .. | .. | .. | 568·786 |
| .. | .. | .. | .. | .. | 0·811 | 28·866 |
| .. | .. | 15·542 | .. | .. | 1·301 | 1,893·497 |
| 43·231 | .. | 7·782 | .. | 4·138 | .. | 1,124·934 |
| 0·260 | .. | .. | .. | .. | .. | 0·260 |
| 61·762 | .. | 2·117 | .. | .. | .. | 561·580 |
| 68·974 | .. | 1·215 | .. | .. | .. | 875·895 |
| .. | .. | 33·406 | 0·991 | .. | ·344 | 725·098 |
| 199·546 | 25·712 | 85·045 | .. | 6·417 | 4·393 | 1,786·074 |
| 0·546 | 0·395 | 17·365 | 0·062 | 21·866 | .. | 818·160 |
| .. | .. | .. | .. | .. | .. | .. |
| .. | .. | 1·229 | .. | .. | .. | 1,235·082 |
| 1·656 | .. | 12·672 | .. | 6·690 | .. | 1,518·593 |
| 8·748 | .. | 0·706 | .. | .. | 5·772 | 276·760 |
| .. | .. | 87·088 | 3·334 | 4·664 | 1·997 | 1,264·599 |
| 1·479 | 5·646 | 1·188 | 18·125 | 0·322 | .. | 2,050·391 |
| .. | .. | .. | .. | .. | .. | 127·493 |
| .. | .. | .. | .. | .. | 0·259 | 31·115 |
| 418·591 | 31·753 | 301·952 | 22·512 | 44·097 | 14·877 | 14,887·183 |

TABLE 55—INSTALLED PLANT CAPACITY AND GENERATION

| Sl. No. | Name of Railway | Installed Plant Capacity (kW) | | | | Energy Generated (Million kWh) | |
|---------|-----------------------------|-------------------------------|--------|-------|--------|--------------------------------|--------|
| | | Steam | Diesel | Hydro | Total | Steam | Diesel |
| 1 | *Central Railway . . . | *4,500 | 3,756 | .. | 8,256 | 6·667 | 4·583 |
| 2 | Eastern Railway . . . | 8,300 | ·41 | .. | 8,341 | 16·097 | 0·046 |
| 3 | Northern Railway . . . | 4,900 | 4,773 | .. | 9,673 | 12·074 | 1·833 |
| 4 | North-Eastern Railway . . | 3,000 | 1,624 | .. | 4,624 | 0·102 | 0·427 |
| 5 | North-East Frontier Railway | .. | 10,367 | .. | 10,367 | .. | 15·198 |
| 6 | Southern Railway . . . | .. | .. | .. | .. | .. | .. |
| 7 | †South Central Railway . . | .. | 2,243 | .. | 2,243 | .. | 0·126 |
| 8 | South-Eastern Railway . . | 7,645 | 282 | .. | 7,927 | 16·118 | 0·084 |
| 9 | Western Railway . . . | 7,800 | [4,797 | .. | 12,597 | 10·680 | 4·385 |
| | TOTAL . . . | 36,145 | 27,883 | .. | 64,028 | 61·738 | 26·682 |

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

†Repeated last years figures due to non-receipt of data for 1966-67.

BY THE INDIAN RAILWAYS FOR THE YEAR 1966-67

| Energy Generated (Million kWh) | | Maximum Demand (kW) | Energy used for power sta- tion auxi- liaries (Million kWh) | Fuel Consumed | | | |
|-----------------------------------|--------|---------------------------|---|------------------|----------------------------------|---|---------------------------|
| Hydro | Total | | | Coal (Tonnes) | Furnace oil (kilo- litres) | Light/High speed Diesel Oil (kilo- litres) | Lubricant (kilolitres) |
| .. | 11.250 | 3,316 | 1.134 | 37,189 | .. | 1,667 | 77 |
| .. | 16.143 | 3,755 | 0.135 | 25,489 | .. | 31 | 9 |
| .. | 13.907 | 8,558 | **1.113 | 17,121 | .. | 1,030 | 36 |
| .. | 0.529 | 1,632 | **0.026 | 80 | .. | 191 | 13 |
| .. | 15.198 | 4,248 | **0.533 | .. | .. | 5,330 | 150 |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 0.126 | 1,035 | 0.012 | .. | .. | 62 | 7 |
| .. | 16.202 | 3,644 | **1.267 | 47,988 | .. | 89 | .. |
| .. | 15.065 | 6,449 | **1.087 | 17,134 | .. | 1,685 | 58 |
| .. | 88.420 | 32,637 | 5.307 | 145,010 | .. | 10,085 | 350 |

**Partly Estimated.

TABLE 56—STATEWISE INSTALLED CAPACITY AND

| Sl. No. | Name of State | Installed Plant Capacity (kW) | | | | Generation (Million kWh) | |
|---------|-----------------------------|-------------------------------|--------|-------|--------|--------------------------|--------|
| | | Steam | Diesel | Hydro | Total | Steam | Diesel |
| 1 | Andhra Pradesh | .. | .. | .. | .. | .. | .. |
| 2 | Assam | .. | 6,320 | .. | 6,320 | .. | 9.224 |
| 3 | Bihar | 8,300 | 1,288 | .. | 9,588 | 16.097 | 1.120 |
| 4 | Gujarat | 3,300 | 1,293 | .. | 4,593 | 6.219 | 0.645 |
| 5 | Jammu & Kashmir | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | .. | .. | .. | .. | .. | .. |
| 7 | Madhya Pradesh | .. | 1,441 | .. | 1,441 | .. | 2.222 |
| 8 | Madras | .. | .. | .. | .. | .. | .. |
| 9 | Maharashtra | 2,250* | 436 | .. | 2,686 | 4.761* | 11.159 |
| 10 | Mysore | .. | 2,243 | .. | 2,243 | .. | 0.126 |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | .. | 57 | .. | 57 | .. | 0.014 |
| 13 | Punjab & Haryana | .. | 1,423 | .. | 1,423 | .. | 0.107 |
| 14 | Rajasthan | 4,500 | 5,173 | .. | 9,673 | 4.461 | 4.325 |
| 15 | Uttar Pradesh | 10,155 | 4,752 | .. | 14,902 | 14.082 | 2.492 |
| 16 | West Bengal | 7,640 | 3,457 | .. | 11,102 | 16.118 | 5.248 |
| 17 | Union Territories | .. | .. | .. | .. | .. | .. |
| | TOTAL | 36,145 | 27,883 | .. | 64,028 | 61.738 | 26.682 |

*Excludes figures for Kalyan Power House which is taken under utility.

GENERATION BY THE INDIAN RAILWAYS

| Generation (Million kWh) | | Maximum Demand (kW) | Energy used by power sta- tion auxi- liaries (kWh) | Fuel Consumed | | | |
|-----------------------------|--------|---------------------------|---|------------------|-----------------------------|--|-------------------------------|
| Hydro | Total | | | Coal (Tonnes) | Furnace oil (kilolitres) | Light/High speed Diesel oil (kilolitres) | Lubricant oil (kilolitres) |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 9.224 | 2,586 | 0.323 | .. | .. | 3,129 | 90 |
| .. | 17.217 | 4,472 | 0.189 | 25,489 | .. | 468 | 34 |
| .. | 6.864 | 2,115 | 0.407 | 7,990 | .. | 239 | 6 |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 2.222 | 753 | 0.087 | .. | .. | 783 | 21 |
| .. | 5.920* | 1,114* | 0.509* | 23,832* | .. | 446 | 35 |
| .. | 0.126 | 1,035 | 0.013 | .. | .. | 62 | 7 |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 0.014 | 15 | 0.001 | .. | .. | 19 | .. |
| .. | 0.107 | 1,115 | 0.012 | .. | .. | 106 | 3 |
| .. | 8.786 | 5,565 | 0.716 | 9,144 | .. | 1,925 | 66 |
| .. | 16.574 | 8,983 | 1.613 | 30,567 | .. | 979 | 47 |
| .. | 21.366 | 4,884 | 1.437 | 47,988 | .. | 1,929 | 41 |
| .. | .. | .. | .. | .. | .. | .. | .. |
| .. | 88.420 | 32,637 | 5.307 | 145,010 | .. | 10,085 | 350 |

TABLE 57—ELECTRICAL ACCIDENTS DURING 1966-67

| Sl. No. | Name of State/Union Territory | Generating and Sub-Stations | | | | Transmission | | | | Distribution | | | | Total | |
|---------|-------------------------------|------------------------------|-----------|-------------------------|-----------|------------------------------|-----------|-------------------------|-----------|------------------------------|-----------|-------------------------|-----------|---------|-----------|
| | | Electric Supply Undertakings | | Industrial Undertakings | | Electric Supply Undertakings | | Industrial Undertakings | | Electric Supply Undertakings | | Industrial Undertakings | | | |
| | | Fatal | Non-Fatal | Fatal | Non-Fatal | Fatal | Non-Fatal | Fatal | Non-Fatal | Fatal | Non-Fatal | Fatal | Non-Fatal | Fatal | Non-Fatal |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 |
| 1 | Andhra Pradesh | 8 | 13 | .. | .. | 11 | 7 | .. | .. | 84+16* | 43 | .. | .. | 103+16* | 63 |
| 2 | Assam | 1 | .. | .. | .. | 3 | 1 | .. | .. | 3 | 1 | 1 | .. | 8 | 2 |
| 3 | Bihar | 3 | 1 | .. | .. | 4 | 4 | .. | 1 | 6+1* | 8 | 12 | 14 | 25+1* | 28 |
| 4 | Gujarat | .. | 7 | .. | .. | 9+1* | 7 | .. | .. | 68+40* | 73 | 2 | .. | 79+41* | 87 |
| 5 | Jammu & Kashmir | Data not available | | | | Data not available | | | | Data not available | | | | | |
| 6 | Kerala | Data not available | | | | Data not available | | | | Data not available | | | | | |
| 7 | Madhya Pradesh | 2 | 2 | 2 | .. | 20+3* | 20+2* | .. | .. | 44+22* | 70+1* | 7 | 14 | 75+25* | 106+3* |
| 8 | Madras | 9 | 13 | .. | .. | 40 | 57 | .. | .. | 168+32* | 132 | 1 | 1 | 218+32* | 203 |
| 9 | Maharashtra | 7 | 3 | .. | .. | 39+2* | 40 | .. | .. | 114+20* | 149 | .. | 4 | 159+22* | 196 |
| 10 | Mysore | 2 | 3 | 1 | .. | 23 | 27 | .. | .. | 58 | 34 | 2 | 2 | 86 | 66 |
| 11 | Nagaland | Data Not available | | | | Data not available | | | | Data not available | | | | | |
| 12 | Orissa | .. | .. | .. | .. | 1 | .. | 1 | .. | 3 | 2 | 11 | 5 | 16 | 7 |

| | | | | | | | | | | | | | | | |
|----|---|--------------------|----|----|----|---------|--------|----|----|--------------------|--------|----|----|----------|--------|
| 13 | Punjab | Data not available | | | | | | | | Data not available | | | | | |
| 14 | Rajasthan | Data not available | | | | | | | | Data not available | | | | | |
| 15 | Uttar Pradesh | 15 | 30 | .. | .. | 51+7* | 48 | 10 | 10 | 45+6* | 21 | 9 | 11 | 130+13* | 120 |
| 16 | West Bengal | 5 | .. | .. | .. | 9 | 1 | 2 | .. | 22+7* | 5 | 7 | 15 | 45+7* | 21 |
| 17 | Union Territories : | | | | | | | | | | | | | | |
| | (a) Delhi | Data not available | | | | | | | | Data not available | | | | | |
| | (b) Andaman & Nicobar Islands | Data not available | | | | | | | | Data not available | | | | | |
| | (c) Goa, Daman & Diu | Data not available | | | | | | | | Data not available | | | | | |
| | (d) Himachal Pradesh | .. | 1 | .. | .. | .. | 3 | .. | .. | 1 | 3 | .. | .. | 1 | 7 |
| | (e) Laccadive, Minicoy & Amindive Islands | Data not available | | | | | | | | Data not available | | | | | |
| | (f) Manipur | Data not available | | | | | | | | Data not available | | | | | |
| | (g) Pondicherry | 1 | .. | .. | .. | .. | .. | .. | .. | 2+1* | 3 | .. | .. | 3+1* | 3 |
| | (h) Tripura | .. | .. | .. | .. | .. | .. | .. | .. | 1 | 1 | .. | .. | 1 | 1 |
| 18 | Mines | Data not available | | | | | | | | Data not available | | | | | |
| 19 | Railways | 1 | 1 | .. | .. | 5 | 13 | .. | .. | 14 | 8 | 1 | 6 | 21 | 28 |
| | TOTAL | 54 | 74 | 3 | .. | 214+13* | 228+2* | 13 | 12 | 633+145* | 553+1* | 53 | 72 | 970+158* | 938+3* |

*Accidents to animals.

The data for the following States/Union Territories have not been received.

- | | |
|---------------------|--|
| 1. Jammu & Kashmir. | 6. Delhi |
| 2. Kerala | 7. Andaman & Nicobar Islands |
| 3. Nagaland | 8. Goa, Daman & Diu |
| 4. Punjab. | 9. Laccadive, Minicoy & Amindive Islands |
| 5. Rajasthan | 10. Manipur. |

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, 1966

TABLE 58—CAPITAL EXPENDITURE

(Figures in Rs.lakhs)

| Serial No. | Name of the State Electricity Boards/Corporations/Union Territories | State Owned | | | | Private | | Total | |
|------------|---|------------------------------------|----------------|----------------|--------------|---------------|---------------|----------------|----------------|
| | | Government Boards and Corporations | | Municipalities | | Companies | | 1964-65 | 1965-66 |
| | | 1964-65 | 1965-66 | 1964-65 | 1965-66 | 1964-65 | 1965-66 | | |
| 1 | Andhra Pradesh | 8,189 | 8,953 | .. | .. | .. | .. | 8,189 | 8,953 |
| 2 | Assam | 753 | 3,481 | .. | .. | 119 | 111 | 872 | 3,592 |
| 3 | Bihar | 4,953 | 5,889 | .. | .. | 551 | 591 | 5,504 | 6,480 |
| 4 | Gujarat | 5,775 | 8,333 | 177 | 201 | 3,092 | 3,269 | 9,044 | 11,803 |
| 5 | Jammu & Kashmir | .. | .. | .. | .. | .. | .. | .. | .. |
| 6 | Kerala | 4,885 | 5,121 | 28 | 30 | 71 | 79 | 4,984 | 5,230 |
| 7 | Madhya Pradesh | 4,110 | 6,902 | .. | .. | 197 | 197 | 4,307 | 7,099 |
| 8 | Madras | 16,039 | 19,962 | 143 | 148 | 778 | 865 | 16,960 | 20,975 |
| 9 | Maharashtra | *7,977 | *9,927 | 3,198 | 3,372 | 6,182 | 7,824 | 17,357 | 21,123 |
| 10 | Mysore | 5,995 | 6,305 | .. | .. | 139 | 150 | 6,134 | 6,455 |
| 11 | Nagaland | .. | .. | .. | .. | .. | .. | .. | .. |
| 12 | Orissa | 2,508 | 2,713 | .. | .. | .. | .. | 2,508 | 2,713 |
| 13 | Punjab | 11,328 | 11,894 | 125 | 188 | 81 | 17 | 11,534 | 12,099 |
| 14 | Rajasthan | 3,548 | 4,278 | .. | .. | 143 | 155 | 3,691 | 4,433 |
| 15 | Uttar Pradesh | 11,646 | *25,477 | 217 | 219 | 858 | 1,078 | 12,721 | 26,774 |
| 16 | West Bengal | 1,672 | 2,269 | 24 | 26 | 6,595 | 6,914 | 8,291 | 9,209 |
| 17 | Power Corporations (DVC & Durgapur Projects Ltd.) | 11,684 | @14,081 | .. | .. | .. | .. | 11,684 | 14,081 |
| 18 | Union Territories : | | | | | | | | |
| | (a) Delhi | 689 | 796 | 2,623 | 2,811 | .. | .. | 2,623 | 2,811 |
| | (b) Rest | .. | .. | .. | .. | 8 | 9 | 697 | 805 |
| | TOTAL | 101,751 | 136,381 | 6,535 | 6,995 | 18,814 | 21,259 | 127,100 | 164,635 |

*Including Works-in-Progress.

@Including Durgapur.

TABLE 59(a)—contd.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|---|--------|-------|-------|--------|----------|---|-------|-----|-------|-------|
| | (c) Hydro Power Stations— | | | | | | | | | | |
| | (i) Land | 406 | 1 | 72 | 479 | G— 906 | 3. BY CONSUMERS CONTRIBUTION FOR SERVICE LINES | 2,617 | 343 | 1,215 | 4,175 |
| | (ii) Buildings | 2,525 | 6 | 113 | 2,644 | M— 316 | | | | | |
| G—19,076 | (iii) Hydraulic Power Plant. | 15,540 | 40 | 356 | 15,936 | C— 1,112 | | | | | |
| M— 75 | (iv) Civil Works | 7,575 | 29 | 1,374 | 8,978 | 2,334 | | | | | |
| C— 1,656 | GROUP TOTAL | 26,046 | 76 | 1,915 | 28,037 | | | | | | |
| 20,807 | SUB-TOTAL (Generation Assets). | 59,907 | 1,035 | 9,571 | 70,513 | | | | | | |
| 50,149 | 2. TO TRANSMISSION ASSETS | 28,285 | 113 | 2,051 | 30,449 | | | | | | |
| G—21,389 | | | | | | | | | | | |
| M— 105 | | | | | | | | | | | |
| C— 1,851 | | | | | | | | | | | |
| 23,345 | 3. TO DISTRIBUTION ASSETS— | | | | | | | | | | |
| | (i) Cables and Mains | 19,582 | 1,555 | 3,449 | 24,586 | | | | | | |
| G—33,303 | (ii) Sub-Stations, Transformers. | 9,993 | 949 | 2,140 | 13,082 | | | | | | |
| | (iii) Service Lines | 6,026 | 700 | 2,010 | 8,736 | | | | | | |
| M— 3,540 | (iv) Public Lighting | 605 | 91 | 197 | 893 | | | | | | |
| | (v) Meters, Testing Instruments etc. | 4,403 | 618 | 1,108 | 6,129 | | | | | | |
| C— 8,153 | GROUP TOTAL | 40,609 | 3,913 | 8,904 | 53,426 | | | | | | |
| 44,996 | 4. TO GENERAL ASSETS— | | | | | | | | | | |
| | (i) Land, Buildings and Structures etc. | 1,356 | 240 | 263 | 1,859 | | | | | | |
| | (ii) Office Furniture and Misc. Equipments. | 1,970 | 67 | 234 | 2,271 | | | | | | |
| | (iii) Workshop Plant and Equipment, Tools and Implements. | 1,401 | 31 | 56 | 1,488 | | | | | | |

| | | | | | | | | | | | | | |
|-----------------|------------------------------------|--|----------|-------|--------|----------|------------------------------------|----------|-------|--------|----------|--|--|
| 16-1 CW & PC/69 | G—4,218 M— 351 C— 633 | (iv) Transportation and Communications. | 932 | 34 | 117 | 1,083 | | | | | | | |
| | 5,202 | GROUP TOTAL . | 5,659 | 372 | 670 | 6,701 | | | | | | | |
| | G— 1,814 M— 37 C— 76 | 5. TO INTANGIBLE ASSETS | 1,921 | 43 | 63 | 2,027 | | | | | | | |
| | 1,927 | 6. TO SPECIAL ITEMS (Tramways in the case of Bombay). | .. | 1,519 | .. | 1,519 | | | | | | | |
| | M— 1,481 | | | | | | | | | | | | |
| | G—1,01,751 M— 6,535 C—18,814 | | | | | | G—1,35,991 M— 5,070 C— 9,656 | | | | | | |
| | 1,27,100 | TOTAL CARRIED TO GENERAL BALANCE SHEET. | 1,36,381 | 6,995 | 21,259 | 1,64,635 | 1,50,717 | 1,71,020 | 5,502 | 10,300 | 1,86,822 | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

G—Government.

M—Municipalities.

C—Companies.

O—Ordinary Share Capital.

SL—Secured Loan.

P—Preference Share Capital.

D—Debentures.

TABLE 59(b)—REVENUE ACCOUNT, 1965-66

(Figures in Rs. lakhs)

| 1964-65 | Particulars | Govt. Departments/ Boards/ Power Corporations | Municipalities | Companies | Total | 1964-65 | Particulars | Govt. Departments/ Boards/ Power Corporations | Municipalities | Companies | Total |
|--------------------------------|------------------------------|---|----------------|-----------|-------|--------------------------------|--|---|----------------|-----------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | TO OPERATING EXPENSES | | | | | | BY OPERATING REVENUES | | | | |
| | I. GENERATION— | | | | | | I. SALE OF ELECTRICITY.— | | | | |
| G— 2,169 M— 132 C— 1,690 | | | | | | G— 2,584 M— 716 C— 1,657 | | | | | |
| 3,991 | (a) (i) Coal . . . | 2,716 | 180 | 1,666 | 4,562 | 4,957 | (i) Domestic and Residential. | 2,999 | 761 | 1,662 | 5,422 |
| G— 306 M— 17 C— 145 | | | | | | G— 1,350 M— 494 C— 529 | | | | | |
| 468 | (ii) Oil . . . | 686 | 21 | 103 | 810 | 2,373 | (ii) Commercial . . . | 1,613 | 549 | 707 | 2,869 |
| G— 114 M— 6 C— 29 | | | | | | G— 5,449 M— 586 C— 4,046 | | | | | |
| 149 | (iii) Consumable Stores. | 215 | 8 | 27 | 250 | 10,081 | (iii) Industrial . . . | 7,091 | 626 | 4,215 | 11,932 |
| G— 418 M— 38 C— 182 | | | | | | G— 397 M— 41 C— 110 | | | | | |
| 638 | (b) Salaries and Wages | 575 | 34 | 199 | 808 | 548 | (iv) Public Lighting . . . | 447 | 39 | 107 | 593 |
| G— 391 M— 10 C— 215 | | | | | | G— 201 M— 68 C— 143 | | | | | |
| 616 | (c) Repairs and Maintenance. | 508 | 20 | 222 | 750 | 412 | (v) Public Water Works and Sewage Pumping. | 248 | 77 | 142 | 467 |

| | | | | | | | | | | | | |
|--------------------------------|--|-------|-----|-------|-------|--------------------------------|--|-------|-----|-------|-------|--|
| G— 3,327 M— 872 C— 2,021 | | | | | | G— 1,365 M— 11 C— 38 | | | | | | |
| 6,220 | (d) Purchase of Energy | 4,261 | 916 | 2,376 | 7,553 | 1,414 | (vi) Irrigation . . . | 1,923 | 14 | 48 | 1,985 | |
| | 2. TRANSMISSION— | | | | | G— 365 M— 1 C— 54 | | | | | | |
| | | | | | | 420 | (vii) Traction . . . | 486 | 1 | 62 | 549 | |
| G— 155 M— 3 C— 33 | | | | | | G— 4,745 M— 151 C— 1,131 | | | | | | |
| 191 | (a) Salaries and Wages | 214 | 4 | 37 | 255 | 6,027 | (viii) Supplies in Bulk to Distributing Licensees. | 5,858 | 173 | 1,084 | 7,115 | |
| G— 115 M— C— 15 | | | | | | | | | | | | |
| 130 | (b) Repairs and Main- tenance. | 124 | .. | 18 | 142 | G— 294 M— 54 C— 100 | | | | | | |
| | 3. DISTRIBUTION— | | | | | | | | | | | |
| G— 589 M— 116 C— 252 | | | | | | 448 | 2. METER AND OTHER RENTALS. | 346 | 63 | 105 | 514 | |
| 957 | (a) Salaries and Wages | 770 | 141 | 259 | 1,170 | G— 16 M— 2 C— 7 | | | | | | |
| G— 481 M— 60 C— 158 | | | | | | | | | | | | |
| 699 | (b) Repairs and Main- tenance. | 609 | 65 | 174 | 848 | 25 | 3. SERVICE CONNEC- TION FEES. | 32 | 3 | 7 | 42 | |
| G— 63 M— 14 C— 45 | | | | | | G— 20 M— 26 C— 17 | | | | | | |
| 122 | (c) Public Lighting (Attendance Repairs and Renewals). | 84 | 16 | 44 | 144 | 63 | 4. PUBLIC LIGHTING MAINTENANCE. | 15 | 31 | 17 | 63 | |
| | | | | | | G— 823 M— 66 C— 175 | | | | | | |
| | | | | | | 1,064 | 5. MISCELLANEOUS RECEIPTS. | 881 | 73 | 124 | 1,078 | |

TABLE 59 (b)—contd.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|------------------------------|---|-------|-----|-----|-------|---|---|---|----|----|----|
| | 4. CONSUMERS SERVICING— (Billing Accounting etc.) | | | | | | | | | | |
| G— 48 M— 8 C— 29 | | | | | | | | | | | |
| 85 | (a) Salaries and Wages | 74 | 8 | 30 | 112 | | | | | | |
| G— 70 M— 77 C— 161 | | | | | | | | | | | |
| 308 | (b) Other Expenses | 126 | 90 | 173 | 389 | | | | | | |
| | 5. GENERAL ESTABLISHMENT CHARGES— | | | | | | | | | | |
| G— 298 M— 40 C— 133 | | | | | | | | | | | |
| 471 | (a) Salaries and Wages | 520 | 45 | 152 | 717 | | | | | | |
| G— 1,699 M— 140 C— 374 | (b) Other Expenses (including Provident Fund etc.) | 2,045 | 171 | 467 | 2,683 | | | | | | |
| 2,213 | | | | | | | | | | | |
| | 6. MANAGEMENT EXPENSES— | | | | | | | | | | |
| C— 8 | (a) Directors' Fee and Expenses. | .. | .. | 9 | 9 | | | | | | |
| C— 109 | (b) Managing Agents Ordinary Remuneration and Office Allowance. | .. | .. | 84 | 84 | | | | | | |
| | 7. ADMINISTRATION— | | | | | | | | | | |
| M— 65 | Members Remuneration and Other Expenses (L.A.) | .. | 72 | .. | 72 | | | | | | |
| G— 2,345 M— 118 C— 534 | | | | | | | | | | | |
| 2,997 | 8. DEPRECIATION | 2,801 | 136 | 598 | 3,535 | | | | | | |

| | | | | | | | | | | | |
|----------------------------------|--------------------------|--------|-------|-------|--------|-----------------------------------|---------|--------|-------|-------|--------|
| G—12,588 M— 1,716 C— 6,133 | | | | | | | | | | | |
| 20,437 | TOTAL OPERATING EXPENSES | 16,328 | 1,927 | 6,638 | 24,893 | | | | | | |
| G— 5,021 M— 500 C— 1,874 | | | | | | | | | | | |
| 7,395 | TO BALANCE CARRIED OVER. | 5,611 | 483 | 1,642 | 7,736 | | | | | | |
| G—17,609 M— 2,216 C— 8,007 | | | | | | G— 17,609 M— 2,216 C— 8,007 | | | | | |
| 27,832 | TOTAL . | 21,939 | 2,410 | 8,280 | 32,629 | 27,832 | TOTAL . | 21,939 | 2,410 | 8,280 | 32,629 |

TABLE 59(c)—NET REVENUE AND APPROPRIATION ACCOUNT—1965-1966

(Figures in Rs. lakhs)

| 1964-65 | Particulars | Government Departments/Boards/Power Corporations | Municipalities | Companies | Total | 1964-65 | Particulars | Government Departments/Boards/Power Corporations | Municipalities | Companies | Total |
|-------------------------|---|--|----------------|-----------|-------|--------------------------------|--|--|----------------|-----------|--------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| | To Appropriation (Applicable to local authority licensee only). | | | | | G— 5,021 M— 500 C— 1,874 | By Balance brought forward from Revenue Account. | 5,611 | 483 | 1,642 | 7,736 |
| | | | | | | 7,395 | | | | | |
| M— 54 | (a) Interest on Loan Capital | .. | 66 | .. | 66 | G 115 M— 12 C— 32 | By interest on Securities and Investment. | 122 | 14 | 41 | 177 |
| 54 | | | | | | 159 | | | | | |
| M— 20 | (b) Instalment of redemption of loan capital. | .. | 27 | .. | 27 | M—(—) 71 | By deficit on incidental business (Tramways and Omnibuses of Bombay Municipality). | .. | (—)162 | .. | (—)162 |
| 20 | | | | | | (—)71 | | | | | |
| M— 113 | (c) General Rates | .. | 100 | .. | 100 | | | | | | |
| 113 | | | | | | | | | | | |
| G— 20 M— 2 C— 675 | To taxes on income and profits. | .. | 2 | 417 | 419 | M— 143 C— 53 | By Balance of Profit brought forward from previous year. | .. | 174 | 50 | 224 |
| 697 | | | | | | 196 | | | | | |
| G— 3 M— 1 C— 12 | To instalment of write down in respect of intangible assets. | 4 | .. | 12 | 16 | G— 3,888 | By Balance carried over to General Balance Sheet | 5,173 | .. | .. | 5,173 |
| 16 | | | | | | 3,888 | | | | | |
| M— 6 C— 68 | To contribution towards contingencies reserves | .. | 6 | 71 | 77 | | | | | | |
| 74 | | | | | | | | | | | |
| G— 53 M— 2 C— 114 | To Development Reserve | 27 | .. | 137 | 164 | | | | | | |
| 169 | | | | | | | | | | | |

| | | | | | |
|----------|--|-------|----|-----|-------|
| C— 30 | To Appropriation to Tariffs and Dividends Control Reserve. | .. | .. | 31 | 31 |
| 30 | | | | | |
| M— 9 | To Appropriations to Consumers Rebate Reserve. | .. | 6 | 29 | 35 |
| C— 31 | | | | | |
| 40 | | | | | |
| M— 28 | To Special Appropriations permitted by State Government. | .. | 1 | 6 | 7 |
| C— 7 | | | | | |
| 35 | | | | | |
| G— 665 | To Other Appropriations. | 891 | 52 | 287 | 1,230 |
| M— 64 | | | | | |
| C— 364 | | | | | |
| 1,093 | | | | | |
| | To Appropriation towards interest paid and accrued and dividends paid and payable. | | | | |
| M— 14 | (a) Interest on Debentures. | .. | 14 | 89 | 103 |
| C— 89 | | | | | |
| 103 | | | | | |
| G— 4,969 | (b) Interest on other Secured Loans. | 6,139 | 77 | 179 | 6,395 |
| M— 74 | | | | | |
| C— 124 | | | | | |
| 5,167 | | | | | |
| G— 18 | (c) Interest on Consumers Security Deposits. | 24 | 3 | 21 | 48 |
| M— 2 | | | | | |
| C— 17 | | | | | |
| 37 | | | | | |
| G— 37 | (d) Interest on Unsecured Loans, Advances, deposits, bank over drafts etc. | 108 | 14 | 70 | 192 |
| M— 14 | | | | | |
| C— 67 | | | | | |
| 118 | | | | | |
| C— 31 | (e) Dividends on Preference Share Capital. | .. | .. | 28 | 28 |
| 31 | | | | | |
| C— 280 | (f) Dividends on Ordinary Share Capital. | .. | .. | 300 | 300 |

TABLE 59(c)—contd.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|--------------------------------|---|--------|-----|-------|--------|--------------------------------|---------|--------|-----|-------|--------|
| G— 3,259 M— 28 C— 48 | To Balance of loss brought forward. | 3,713 | 26 | 43 | 3,782 | | | | | | |
| 3,335 | | | | | | | | | | | |
| M— 153 C— 2 | To Balance carried over to General Balance Sheet. | .. | 115 | 13 | 128 | | | | | | |
| 155 | | | | | | | | | | | |
| G— 9,024 M— 584 C— 1,959 | | | | | | G— 9,024 M— 584 C— 1,959 | | | | | |
| 11,657 | TOTAL . | 10,906 | 509 | 1,733 | 13,148 | 11,567 | TOTAL . | 10,906 | 509 | 1,733 | 13,148 |

TABLE 59(d)—GENERAL BALANCE SHEET AS ON 31ST MARCH, 1966

(Figures represent Rs. in lakhs)

| 1964-65 | Particulars | Government Departments/ Boards/ Power Corporations | Muni- cipali- ties | Com- panies | Total | 1964-65 | Particulars | Government Departments/ Boards/ Power Corporations | Muni- cipali- ties | Com- panies | Total |
|----------|---|--|--------------------------|----------------|----------|----------|---|--|--------------------------|----------------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| 1,50,717 | Fixed Capital raised and appropriated as per the Capital Account. | 1,71,020 | 5,502 | 10,300 | 1,86,822 | 1,27,100 | Capital Expenditure on works as per the Capital Account. | 1,36,381 | 6,995 | 21,259 | 1,64,635 |
| 3,158 | Capital Redemption Sinking Fund and other Reserves. | 1,308 | 1,378 | 372 | 3,058 | 22,602 | Less Accumulated Provision for Depreciation. | 17,813 | 1,646 | 6,734 | 26,193 |
| | RESERVES AND SURPLUS. | | | | | 1,04,498 | NET BLOCK | 1,18,568 | 5,349 | 14,525 | 1,38,442 |
| 6,993 | Non-Statutory Reserve . | 3,922 | 1,101 | 2,535 | 7,558 | 57 | Balance of written down cost of obsolete and inadequate assets. | 29 | 41 | 29 | 99 |
| 43 | Special appropriation (as permitted by State Government). | .. | 4 | 55 | 59 | | CURRENT ASSETS | | | | |
| 554 | Contingencies Reserve Fund. | .. | 64 | 522 | 586 | 37,376 | Capital Works in Progress. | 37,777 | 1,414 | 416 | 39,607 |
| 370 | Tariffs and Dividends Control Reserve. | 130 | 151 | 116 | 397 | | Stores and Materials in Hand. | | | | |
| 163 | Consumers Rebate Reserve. | .. | 77 | 171 | 248 | 897 | (a) Fuel Coal and /or Oil at cost. | 248 | 39 | 120 | 407 |
| 725 | Development Reserve . | 150 | 4 | 648 | 802 | 15,672 | (b) General Stores at a Below Cost. | 16,553 | 985 | 1,158 | 18,696 |
| 155 | Balance of net revenue and appropriation account. | .. | 115 | 13 | 128 | 4,535 | Sundry Debtors for Electricity supplied. | 3,975 | 704 | 1,234 | 5,913 |
| | CURRENT LIABILITIES AND PROVISIONS. | | | | | 13,019 | Other Debtors. | 16,614 | 53 | 306 | 16,973 |

TABLE 59(d)—contd.

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
|----------|--|----------|--------|--------|----------|----------|---|----------|--------|--------|----------|
| | CURRENT LIABILITIES AND PROVISIONS. | | | | | | | | | | |
| 10,972 | Creditors on open account. | 10,665 | 440 | 1,039 | 12,144 | 6,138 | Accounts receivable . | 5,715 | 590 | 74 | 6,379 |
| 4,377 | Consumers Security Deposits. | 3,371 | 376 | 804 | 4,551 | | INVESTMENT IN STATUTORY SECURITIES AT COST. | | | | |
| 17,331 | Accounts Payable . | 21,673 | 966 | 1,177 | 23,816 | 442 | (a) Contingencies Reserve Fund investment (Market value on closing date). | .. | 26 | 463 | 489 |
| 268 | Balance due on construction of plant and machinery. | 243 | 1 | 99 | 343 | | | | | | |
| 3,015 | Temporary accommodations, Bank over-drafts and other finances. | 2,914 | 281 | 1,189 | 4,384 | 5,036 | (b) Other Investment (Market Value on closing date). | 4,432 | 955 | 123 | 5,510 |
| | | | | | | | SPECIAL DEPOSITS | | | | |
| | | | | | | 234 | (a) In respect of taxation. | .. | .. | 111 | 111 |
| | | | | | | 1,151 | (b) Other | 1,498 | 9 | 35 | 1,542 |
| | | | | | | | BALANCE AT BANK | | | | |
| | | | | | | 1,909 | (a) Deposit Account . | 1,280 | 94 | 222 | 1,596 |
| | | | | | | 3,184 | (b) Current Account and at Call. | 2,848 | 142 | 194 | 3,184 |
| | | | | | | 558 | Cash in Hand . . . | 458 | 49 | 25 | 532 |
| | | | | | | | Debit Balances | | | | |
| | | | | | | 247 | Deferred Payments . | 228 | 10 | 5 | 243 |
| | | | | | | 3,888 | Debit Balance of net revenue and appropriation accounts. | 5,173 | .. | .. | 5,173 |
| 1,98,841 | TOTAL . | 2,15,396 | 10,460 | 19,040 | 2,44,896 | 1,98,841 | TOTAL . | 2,15,396 | 10,460 | 19,040 | 2,44,896 |

TABLE 60—AVERAGE PRICE OF ELECTRICITY

| Sl. No. | Category of Sale | kWh sold in 1965-66 (Millions) | Revenue Realised in Rupees (lakhs) | Revenue Realised per kWh sold (Paise) |
|---------|--|--------------------------------|------------------------------------|---------------------------------------|
| 1 | 2 | 3 | 4 | 5 |
| 1 | Domestic and Commercial premises for Lighting, Heating, Small Power etc. | 4,283 | 8,884 | 20.74 |
| 2 | Industrial and Traction | 20,546 | 12,948 | 6.30 |
| 3 | Agriculture | 1,892 | 1,985 | 10.49 |
| 4 | All Purposes | 26,721* | 23,817 | 8.91 |

†NOTE.—*About 14 Million kWh sales have been excluded corresponding to those few Electrical Undertakings from where financial data have not been received.

TABLE 61—SOME IMPORTANT FINANCIAL FEATURES FOR THE YEARS 1963-64 TO 1965-66

| Sl. No. | Particulars | Units | 1964 | 1965 | 1966 |
|---------|---|-------|-----------|-----------|------------|
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Installed Plant Capacity | kW | 6,228,533 | 7,310,200 | 8,513,447* |
| 2 | Average cost per kW installed | Rs. | 1,852 | 1,739 | 1,934 |
| 3 | Number of consumers | No. | 6,925,750 | 7,708,879 | 8,678,651 |
| 4 | Average Capital Outlay per consumer | Rs. | 1,665 | 1,649 | 1,897 |
| 5 | Maximum Demand | kW | 5,255,703 | 6,257,197 | 6,911,392* |
| 6 | Average Capital Outlay on transmission, distribution etc. per kW of maximum demand. | Rs. | 1,123 | 1,206 | 1,340 |

*About 513,572 kW and 394,838 kW—Installed Plant Capacity and Maximum Demand have been excluded corresponding to those few Electrical Undertakings where financial data have not been received.

TABLE 62—CONSOLIDATED CAPITAL OUTLAY BY OWNERSHIP FOR THE YEARS 1961-62 TO 1965-66

| Particulars | 1962 | | 1963 | | 1964 | | 1965 | | 1966 | |
|----------------------|------------------------|-----------------------------|------------------------|-----------------------------|------------------------|-----------------------------|------------------------|-----------------------------|------------------------|-----------------------------|
| | Outlay Rs. lakhs | Perce- ntage of total | Outlay Rs. lakhs | Perce- ntage of total | Outlay Rs. lakhs | Perce- ntage of total | Outlay Rs. lakhs | Perce- ntage of total | Outlay Rs. lakhs | Perce- ntage of total |
| Public Sector . . . | 74,703 | 82 | 86,797 | 83 | 96,459 | 84 | 108,286 | 85 | 143,376 | 87.09 |
| Private Sector . . . | 16,823 | 18 | 17,309 | 17 | 18,870 | 16 | 18,814 | 15 | 21,259 | 12.91 |
| | 91,526 | 100 | 104,106 | 100 | 115,329 | 100 | 127,100 | 100 | 164,635 | 100.00 |

CONSOLIDATED CAPITAL OUTLAY OF ELECTRICITY SUPPLY UNDERTAKINGS FOR THE YEARS 1961-62 TO 1965-66

| Particulars | Units | 1962 | 1963 | 1964 | 1965 | 1966 |
|---|-------------|--------|----------|----------|----------|----------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| On Electrical Works . . . | (Rs. Lakhs) | 90,117 | 102,635 | 1,13,910 | 1,25,619 | 1,63,116 |
| Non-Electrical Works like Tram- ways and Omni-bus. | (Rs. Lakhs) | 1,409 | 1,471 | 1,419 | 1,481 | 1,519 |
| TOTAL . . . | (Rs. Lakhs) | 91,526 | 1,04,106 | 1,15,329 | 1,27,100 | 1,64,635 |

APPENDIX
ADDRESSES OF PUBLIC ELECTRICITY SUPPLY
UNDERTAKINGS AND SYSTEM OF
SUPPLY AS ON 31-3-1967

ANDHRA PRADESH

| Sl. No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|---------|--|---|--|--|
| | | | Voltage | A.C. or D.C. & Phases |
| 1 | Andhra Pradesh State Electricity Board. (a) <i>Hydro Electric Power Stations</i> 1. Hampi 2. Machkund 3. Nizamsagar 4. Tungabhadra Dam (b) <i>Thermal Power Stations</i> 1. Gas Turbine, Erragadda 2. Hussainsagar 3. Nellore 4. Ramagundam 5. Vijayawada 6. Visakhapatnam 7. Kothagudam (c) <i>Diesel Stations</i> 1. Araku 2. Kolhapur 3. Ashwaraopet 4. Ieez 5. Venkatapuram 6. Hussainsagar 7. Mahboobnagar 8. Nirmal 9. Nizamabad 10. Nizamsagar 11. Trimulghery | BOARD The Chief Engineer, Electricity, Andhra Pradesh Electricity Board, opposite Bella Vista, P.O. Hyderabad-4. | 220,000 132,000 66,000 33,000 11,000 6,600 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 1 | Assam State Electricity Board. (a) <i>Hydro Electric Power Stations</i> 1. Umtru 2. Umiuam (b) <i>Thermal Power Stations</i> 1. Gas turbine, Gauhati 2. Gas turbine, Namrup (Naharkatia) (c) <i>Diesel Power Stations.</i> 1. Aizal 2. Abhoyapuri 3. Chaili 4. Dergaon | ASSAM BOARD The Chief Engineer, Assam State Electricity Board, Uzan Bazar, Gauhati. | 132,000 66,000 33,000 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |

BIHAR—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|--------------------------|--|---|---|--|
| | | | Voltage | A. C. or D. C. & Phases |
| POWER CORPORATION | | | | |
| 2 | Damodar Valley Corporation. (Power Houses located in Bihar area) Bokaro Chandrapura Tilaiya Panchet Hill (Power Houses located in West Bengal area) Durgapur Maithon | The Chief Electrical Engineer, Damodar Valley Corporation, Anderson House, Alipore, Calcutta-27. | 132,000 33,000 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 4 ph. A.C. 1 ph. A.C. |
| COMPANIES | | | | |
| 3 | Bhagalpur | The Bhagalpur Electric Supply Co., M/A. M/s. Octavious Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 4 | Chaibasa | The Chaibasa Electric Supply Co., C/o M/s. Madan Gopal, Chaibasa. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 5 | Chirkunda | The Chirkunda Electricity Supply Co., P.O. Barakar, District Burdwan. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 6 | Darbhanga Laherisarai | The Darbhanga Laherisarai Electric Supply Corporation Ltd., M/A. M/s. Baroliya Bros., Darbhanga. | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 7 | Jharia Coal Field | The Jharia Coal Field Electric Supply Co., Private Ltd., P. B. No. 16, Dhanbad. | 11,000 6,600 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 8 | Jugsalai | The Jugsalai Electric Supply Co., C/o M/s. Mangilal Rungta, Jugsalai (Tatanagar), S.E. Railway. | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 9 | Muzaffarpore | The Muzaffarpore Electric Supply Co., Ltd., M/A. M/s. Octavious Steel & Co. Ltd., 14, Old Court House Street, Calcutta-1. | 11,000 3,300 400 230 440 220 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. D.C. 3 Wire D.C. 2 Wire |
| 10 | Patna | The Patna Electric Supply Co. Ltd., M/A. M/s. Octavious Steel & Co. Ltd. | 11,000 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |

BIHAR—concl'd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|--------------------------|---|---|---------------------|--|
| | | | Voltage | A. C. or D. C. & Phases |
| 11 | Ranchi | The Ranchi Electric Supply Co. Ltd., M/A. M/s. Budhia Brothers, Private Ltd., Main Road, Ranchi. | 6,600 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 12 | Sijhua (Jherriah) | The Sijua (Jherriah) Electric Supply Co. Ltd., M/A. M/s. Bird & Co. Private Ltd., P.O. Bansjora (District Dhanbad). | 11,000 6,600 | 3 ph. A.C. 3 ph. A.C. |
| GUJARAT BOARD | | | | |
| 1 | Gujarat Electricity Board. | | | |
| | (a) Steam Power Stations. | | | |
| | 1. Kandla | The Chief Engineer, The Gujarat Electricity Board, Race Course, Baroda-1. | 220,000 | 3 ph. A.C. |
| | 2. Porbandar | | 132,000 | 3 ph. A.C. |
| | 3. Sikka | | 66,000 | 3 ph. A.C. |
| | 4. Shahpur | | 33,000 | 3 ph. A.C. |
| | 5. Utran | | 22,000 | 3 ph. A.C. |
| | 6. Dhuvran | | 11,000 | 3 ph. A.C. |
| | (b) Diesel Power Stations. | | | |
| | 1. Kothara | | 3,300 | 3 ph. A.C. |
| | 2. Rahpar | | 400 | 3 ph. A.C. |
| | 3. Mundra | | 230 | 1 ph. A.C. |
| | 4. Dhari | | | |
| | 5. Surendranagar | | | |
| | 6. Jamjodhpur | | | |
| | 7. Bhanwad | | | |
| | 8. Bagasara | | | |
| | 9. Devgadhi Baria | | | |
| | 10. Santrampur | | | |
| | 11. Dwarka | | | |
| | 12. Radhanpur | | | |
| | 13. Deesa | | | |
| | 14. Jasdai | | | |
| | 15. Jamkambolia | | | |
| | 16. Nakhtrana | | | |
| | 17. Chota Udaipur | | | |
| | 18. Vijapur | | | |
| | 19. Bhuj | | | |
| | 20. Vallabha Vidyanagar | | | |
| | 21. Mandvi | | | |
| | 22. Gandvi | | | |
| | 23. Savarkundla | | | |
| | 24. Mehua | | | |
| | 25. Ambaji | | | |
| | 26. Dhoraji | | | |
| | 27. Jamnagar | | | |
| | 28. Veraval | | | |
| | 29. Palitana | | | |
| | 30. Porbander | | | |
| | 31. Lathi | | | |
| | 32. Rajkot | | | |
| | 33. Morvi | | | |
| | 34. Botad | | | |
| | 35. Gadhada | | | |

GUJARAT—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|---|---|--|
| | | | Voltage | A. C. or D.C. & Phases |
| | | BOARD—contd. | | |
| | 36. Rajula 37. Vapi 38. Udwada 39. Sankheda 40. Jetpur 41. Wankaner 42. Sidhpur | The Chief Engineer, The Gujarat Electricity Board, Race Course, Baroda-1. | | |
| | | MUNICIPALITIES | | |
| 2 | Baroda | The Electrical Engineer, Department of Electricity, Baroda Borough Municipality, Post Box No. 17, Baroda-1. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 3 | Bhadran | The President, Bhadran Municipality, Bhadran. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 4 | Jhalod | Jhalod Gram Panchayat, Jhalod, Distt. Panchmahal. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 5 | Karjan | The President, Karjan Municipality, Karjan. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 6 | Nar | The Electrical Engineer, Nar Gram Panchayat, Nar (Via Anand). | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 7 | Palanpur (Iqbal) | The Electrical Engineer, The Iqbal Electric Supply, Municipal Power House, Palanpur. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 8 | Patan | The Electrical Engineer, Patan Municipality, Patan. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 9 | Petlad | The Electrical Engineer, Petlad Municipality, Petlad. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 10 | Sojitra | The President, Sojitra Nagar Panchayat, Sojitra. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 11 | Vadnagar | The Chief Officer, Electricity Department, Vadnagar Municipality, Vadnagar. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 12 | Visnagar | The Chief Officer, Visnagar Municipality, Visnagar. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| | | COMPANIES | | |
| 13 | Ahmedabad | The Ahmedabad Electricity Co. Ltd., M/A. M/s. Killick Industries Ltd., Electricity House, Lal Darwaja, Ahmedabad-1. | 66,000 11,000 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 14 | Anand | The Anand Electric Supply Co. Ltd., M/s. Sonawala Co. Ltd., Sonawala Buildings, 459, Apollo Street, Fort, Bombay-1. | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 15 | Bardoli | Shree Sardar Kheti Sahayak Sahakari Vidyut Mandal Ltd., Bardoli (District Surat). | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |

GUJARAT—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------------|---|--|-------------------------------|--|
| | | | Voltage | A. C. or D.C. & Phases |
| COMPANIES—contd. | | | | |
| 16 | Bulsar | The Amalgamated Electricity Co. Ltd., (Bulsar Branch) M/A. M/s. N. C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Bombay-1. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 17 | Bilimora | The Bilimora Electric Power Supply Co. Ltd., Bilimora. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 18 | Bhavnagar | The Bhavnagar Electricity Co. Ltd., P.O. Box No. 45, Bhavnagar. | 11,500 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 19 | 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. | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 20 | Dabhoi | The Dabhoi Electric Supply Co., C/o Seth Girdhari Lal Moti Lal Contractor, Dabhoi, District Baroda. | 400 220 | D.C. 3 Wire D.C. 2 Wire |
| 21 | Dakor Umreth | The Dakor-Umreth Electricity Co. Ltd; Dakor. | 440 230 | 3 ph. A.C. 1 ph. A.C. |
| 22 | Dohad | The Amalgamated Electricity Co. Ltd., (Dohad Branch) M/A. M/s. N. C. Javeri & Co., P. O. Box No. 879, 17-B, Horniman Circle, Bombay-1. | 6,600 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 23 | Godhra | The Godhra Electricity Co. Ltd., M/A. M/s. Udayan & Co., Power House, Godhra. | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 24 | Gandhidham | The Sindhu Resettlement Corporation Ltd., Power Supply Department, Adipur. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 25 | Jambusar | The Jambusar Electric Supply Co. Ltd., Sarodi Bhagal, Jambusar (District Broach). | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 26 | Kadi | The Kadi Electric Supply Co. Ltd., M/A. M/s. Parik & Co., Kadi. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 27 | Kalol | The Kalol Electric Supply & Industrial Co. Ltd., Power House, Kalol (North Gujarat). | 1,400 230 | 3 ph. A.C. 1 ph. A.C. |
| 28 | Kapadwanj | The Kapadwanj Town Co-operative Electricity Association Ltd., Sardar Baug, Kapadwanj. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 29 | Kholvad | The Kholvad Electric Supply Corporation, Kholvad (District Surat). | 22,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 30 | Lunawada | Lunawada Electric Supply Cooperative Society Ltd., Lunawada. | 400 230 | 3 ph. A.C. 3 ph. A.C. |
| 31 | Nadiad | The Nadiad Electric Supply Co. Ltd., M/A. M/s. Sonawala Co. Ltd., Sonawala Building, 59, Appollo Street, Bombay-1. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |

GUJARAT—concl'd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-------------------|---|--|--|--|
| | | | Voltage | A.C. or D.C. & Phases |
| COMPANIES—cont'd. | | | | |
| 32 | Navsari | The Navsari Electric Supply Co. Ltd., M/A. M/s. Ardeshir Modi and Co., Navsari. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 33 | Rander | The Rander Electric Supply Co. Ltd., M/A. M/s. Sunderrao Moreshwar Co., Lal Baug, Rander, District Surat. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 34 | Sanad | The Sanad Electric Supply Co. Private Ltd., M/A. M/s. Ranchodial Chandu Lal & Co., Station Road, Sanad. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 35 | Sihor | The Sihor Electric Works Ltd., The Tapi Electric Supply & Industrial Co., Sihor. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 36 | Surat | The Surat Electricity Co. Ltd., Central Admi- nistration Department, M/A. M/s. Killick Industries Ltd., 5, Graham Road (4th floor), Ballard Estate, (P.O. Box No. 199), Bombay-1. | 11,000 6,600 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 37 | Vallabh Vidyanagar | M/s. Charotar Gramodhar-Sahakari Mandal Ltd., Vallabh Vidyanagar. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 38 | Viramgam | The Viramgam Electric Supply Co. Ltd., M/A. M/s. Saifee & Co., Mandal Road, Viramgam. | 11,000 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 39 | Vyara-Kanpura | The Vyara-Kanpura Electric Supply Co-ope- rative Society Ltd., Vyara, District Surat. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| JAMMU & KASHMIR | | | | |
| 1 | Electricity Department J&K | | | |
| | (a) Hydro Power Stations. | | | |
| | 1. Mohra | The Chief Engineer, Electricity Department, Jammu & Kashmir, Jammu. | 66,000 | 3 ph. A.C. |
| | 2. Jammu | | 33,000 | 3 ph. A.C. |
| | 3. Ganderbal | | 11,000 | 3 ph. A.C. |
| | 4. Bandipore | | 6,600 | 3 ph. A.C. |
| | 5. Pahalgam | | 400 | 3 ph. A.C. |
| | 6. Muzefrabad | | 230 | 1 ph. A.C. |
| | 7. Poonch | | | |
| | 8. Udhampur | | | |
| | (b) Steam Power Station. | | | |
| | 1. Miran Sahib | | | |
| | (c) Diesel Power Stations. | | | |
| | 1. Cupwara | | | |
| | 2. Baramulla | | | |
| | 3. Ramnagar | | | |
| | 4. Dargaon | | | |
| | 5. Jammu | | | |
| | 6. Bardoli | | | |

KERALA

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-----------------------|---|--|------------------|--------------------------|
| | | | Voltage | A.C. or D.C. & Phases |
| BOARD | | | | |
| 1 | Kerala State Electricity Board. | | | |
| | (a) <i>Hydro Power Stations.</i> | | | |
| | 1. Neriamangalam | The Chief Engineer, Kerala State Electricity Board, P.O. Box No. 65, Trivandrum. | 220,000 | 3 ph. A.C. |
| | 2. Pallivasal | | 110,000 | 3 ph. A.C. |
| | 3. Poringalkuthu | | 66,000 | 3 ph. A.C. |
| | 4. Sengulam | | 33,000 | 3 ph. A.C. |
| | 5. Penniar | | 22,000 | 3 ph. A.C. |
| | 6. Sholayar | | 11,000 | 3 ph. A.C. |
| | 7. Sabirigiri | | 3,300 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |
| | (b) <i>Diesel Power Stations.</i> | | | |
| | 1. Ulloor | | | |
| | 2. Vellayambalam | | | |
| | 3. Pulluruthy | | | |
| | 4. Sabirigiri. | | | |
| MUNICIPALITY | | | | |
| 2 | Trichur | The Commissioner, Trichur Municipality, Trichur. | 11,000 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |
| COMPANIES | | | | |
| 3 | Ernakulam | The Cochin State Power Light Corporation Ltd; M/A. M/s. Chandrie & Co. (Private) Ltd., P.O. Box No. 156, National Insurance Building, Esplanade, Madras-1. | 11,000 | 3 ph. A.C. |
| | | | 6,600 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |
| 4 | Kottayam | The Kottayam Electric Supply Agency, C/c. M/s. Moos, Kottayam. | 11,000 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |
| 5 | Kannan Dewan Hills | The Kannan Dewan Hills Produce Co. Ltd; Headquarters Office, Munnar. | 11,000 | 3 ph. A.C. |
| | | | 2,200 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |
| 6 | Mattencherry | The Cochin Electric Co. Private Ltd., Mattencherry, Cochin-1. | 11,000 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |
| MADHYA PRADESH | | | | |
| BOARD | | | | |
| 1 | Madhya Pradesh Electricity Board. | | | |
| | (a) <i>Hydro Power Stations.</i> | | | |
| | | The Chief Engineer, Madhya Pradesh Electricity Board, P. O. Box No. 34, Rampur, Jabalpur. | 220,000 | 3 ph. A.C. |
| | | | 132,000 | 3 ph. A.C. |
| | | | 66,000 | 3 ph. A.C. |
| | | | 33,000 | 3 ph. A.C. |
| | | | 11,000 | 3 ph. A.C. |
| | | | 6,600 | 3 ph. A.C. |
| | | | 3,300 | 3 ph. A.C. |
| | | | 400 | 3 ph. A.C. |
| | | | 230 | 1 ph. A.C. |

MADHYA PRADESH—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|--|------------------------------------|---|
| | | | Voltage | A.C. or D.C. & Phases |
| 1 | <p>Gandhisagar</p> <p>(b) Steam Power Stations.</p> <ol style="list-style-type: none"> 1. Itarsi 2. Katni 3. Gwalior 4. Raipur 5. Bhopal 6. Nepanagar 7. Indore 8. Amarkantak 9. Korba 10. 200 M. W. Thermal Power Station Korba <p>(c) Diesel Power Stations.</p> <ol style="list-style-type: none"> 1. Amarkantak 2. Dindori 3. Jaishpur Nagar 4. Tarana 5. Kurwai 6. Sendhwa 7. Jhabua 8. Gotegaon 9. Teonther 10. Shujalpur 11. Chanderi 12. Mangoli 13. Sheopur 14. Harsud 15.endra Road 16. Shahdol 17. Basoda 18. Jagdalpur 19. Seronje 20. Bareilly 21. Begamganj 22. Tikamgarh 23. Ashoknagar 24. Pachmarhi 25. Raipur 26. Maheshwar 27. Barwani 28. Sanwad 29. Mandla 30. Dhar 31. Khargaon 32. Guna 33. Shivpuri 34. Ratlam 35. Gwalior 36. Laksar 37. Indore 38. Bilai 39. Burhampur | <p>BOARD</p> <p>COMPANIES</p> | | |
| 2 | Dewas (Senior) | The Dewas (Senior) Electric Supply Co. Private Ltd., Dewas Senior. | <p>3,300</p> <p>400</p> <p>230</p> | <p>3 ph. A.C.</p> <p>3 ph. A.C.</p> <p>1 ph. A.C.</p> |

MADHYA PRADESH—conclde

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-------------------------------|---|--|---|--|
| | | | Voltage | A.C. of D.C & Phases |
| COMPANIES—conclde. | | | | |
| 3 | Jubbulpur | The Jubbulpore Electric Supply Co. Ltd., M/A. M/s. Martin Burn Co. Ltd., Calcutta-1. | 33,000 11,000 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 4 | Mandsaur | The Mandsaur Electric Supply Co., Mandsaur. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| 5 | Saugor | The Saugor Electric Supply Co., Ltd., M/A. M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1. | 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 6 | Sehore | The Sehore Electric Supply Co. Private Ltd., Sehore Cantt. | 400 230 | 3 ph. A.C. 1 ph. A.C. |
| MADRAS BOARD | | | | |
| 1 | Madras State Electricity Board. (a) <i>Hydro Power Stations.</i> 1. Kundah-I 2. Kundah-II 3. Kundah-III 4. Kundah-IV 5. Kundah-V 6. Papanasam 7. Moya 8. Mettur Dam 9. Mettur Tunnel 10. Pykara 11. Periyar 12. Sarkarpathy (b) <i>Steam Power Stations</i> 1. Madurai 2. Basin Bridge | The Chief Engineer, Electricity, Madras State Electricity Board, 157, Mount Road, Madras. | 230,000 110,000 66,000 33,000 22,000 11,000 6,600 5,000 3,300 400 230 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| GOVERNMENT UNDERTAKING | | | | |
| 2 | Neyveli Lignite Corpora- tion Ltd. | The Deputy General Manager (Tech. & Works) Neyveli Lignite Corporation Ltd., Office of the Managing Director Technical & Works Branch, Administrative Officers Block I, Neyveli-1. | 220,000 110,000 11,000 | 3 ph. A.C. 3 ph. A.C. 3 ph. A.C. |
| MUNICIPALITIES | | | | |
| 3 | Coimbatore | The Commissioner, Coimbatore Municipa- lity, Coimbatore. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |
| 4 | Karur | The Commissioner, Karur Municipality, Karur, District Tiruchirapally. | 11,000 400 230 | 3 ph. A.C. 3 ph. A.C. 1 ph. A.C. |

MADRAS—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------------------------|---|--|--|--|
| | | | Voltage | A.C. or D.C. & Phases |
| MUNICIPALITIES—contd. | | | | |
| 5 | Madurai | The Commissioner, Madurai Municipality, Madurai. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 6 | Pollachi | The Commissioner, Pollachi Municipality, Pollachi. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 7 | Thanjavur | The Commissioner, Thanjavur Municipality, Thanjavur. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| COMPANIES | | | | |
| 8 | Kumbakonam | The Kumbakonam Electric Supply Corporation Ltd., M/A. The India Co. (Private) Ltd., Oriental Buildings, Armenian Street, Madras-1. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 9 | Mayawaram Mannargudi | The South Madras Electric Supply Corporation Ltd., Post Box No. 67, Tiruchirapalli. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 10 | 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. 3 ph. A. C. 1 ph. A. C. |
| 11 | 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 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 12 | Shencottah | The Shencottah Electric Supply Agency, Shencottah. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 13 | 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 6,600 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 14 | Tiruchirapalli | The South Madras Electric Supply Corporation, Post Box No. 67, Tiruchirapalli. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 15 | Vellore | The Vellore Electric Corporation Ltd., M/A. M/s. Chandrie & Co. (Private) Ltd., 20, Second Line Beach, Madras-1. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |

MAHARASHTRA

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|---|------------------|--------------------------|
| | | | Voltage | A.C. or D.C. & Phases |
| 1 | Maharashtra State Electricity Board. | | | |
| | (a) <i>Hydro Power Stations.</i> | | | |
| | 1. Bhatgarh | The Chief Engineer, Maharashtra State Electricity Board, Mercantile Bank Building, Mahatma Gandhi Road, Fort, Bombay-1. | 220,000 | 3 ph. A. C. |
| | 2. Radhanagiri | | 132,000 | 3 ph. A. C. |
| | 3. Koyna | | 110,000 | 3 ph. A. C. |
| | | | 66,000 | 3 ph. A. C. |
| | | | 33,000 | 3 ph. A. C. |
| | | | 22,000 | 3 ph. A. C. |
| | | | 11,000 | 3 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| | (b) <i>Steam Power Stations.</i> | | | |
| | 1. Balarshah | | | |
| | 2. Paras | | | |
| | 3. Khaparkheda | | | |
| | (c) <i>Diesel Power Stations.</i> | | | |
| | 1. Khandbara | | | |
| | 2. Aheri | | | |
| | 3. Sironcha | | | |
| | 4. Jawahar | | | |
| | 5. Dharnee | | | |
| | 6. Kinwat | | | |
| | 7. Deglur | | | |
| | 8. Ashti | | | |
| | 9. Taloda | | | |
| | 10. Dendoicha | | | |
| | 11. Manmad | | | |
| | 12. Bhoom | | | |
| | 13. Shahada | | | |
| | 14. Yeola | | | |
| | 15. Bijapur | | | |
| | 16. Chopda | | | |
| | 17. Pachora | | | |
| | 18. Amalner | | | |
| | 19. Udgir | | | |
| | 20. Bhir | | | |
| | 21. Shivpur | | | |
| | 22. Ratnagiri | | | |
| | 23. Dharangaon | | | |
| | 24. Nandid | | | |
| | 25. Aurangabad | | | |
| | 26. Nasik | | | |
| | 27. Panchgani | | | |
| | 28. Belapur Town | | | |
| | 29. Belapur Road | | | |
| | 30. Nandurbar | | | |
| | 31. Dhulia | | | |
| | 32. Nandgaon | | | |
| | 33. Aundh | | | |
| | 34. Akalkot | | | |
| | 35. Chandore | | | |

MAHARASHTRA—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-----------------------|---|--|---|---|
| | | | Voltage | A.C. or D.C. & Phases |
| BOARD—contd. | | | | |
| 2 | Chola Power Station | The Chief Electrical Engineer, Central Railway, Bombay V. T. | 99,700 2,000 400 230 230 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 2 Wire 3 ph. A. C. 1 ph. A. C. |
| 3 | Sholapur | The Station Superintendent, Sholapur Electric Undertaking, Sholapur. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| MUNICIPALITIES | | | | |
| 4 | Bombay | The Bombay Electric Supply and Transport Undertaking (Municipal Corporation), B.E. S.T. House, P. B. No. 192, Bombay-1. | 22,000 6,000 2,200 400 230 600 460 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 3 Wire D. C. 2 Wire |
| 5 | Karjat | Karjat Bhisgaon Panchayat, Karjat, District Kolaba. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 6 | Kasara Gram Panchayat | Kasara Gram Panchayat Elec. Undertaking, Kasara. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 7 | Bombay Municipal Corporation. | Bombay Municipal Corporation, Vaitarna-Tamser Street, Domestic Colony; Vaitarna. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 8 | Raver | The Electrical Engineer, Raver Municipal Power House, Raver. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 9 | Sangli | The Jubilee Electric Works (Sangli Nagarpalika Trust Property), Electric Power House, Sangli. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 10 | Savantwadi | The Electrical Engineer, Savantwadi Municipality, Savantwadi. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| COMPANIES | | | | |
| 11 | Ahmednagar | The Ahmednagar Electric Supply Co. Private Ltd., M/A. M/s. Nariman Sons Private Ltd., Power House, Station Road, Ahmednagar. | 11,000 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 12 | 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 |
| 13 | Barsi | The General Engineering Corporation Ltd. (Barsi Electric Supply), 60, Forbes Street, Temple Bazar Buildings, Fort, Bombay-1. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 14 | Bassein | The Bassein Electric Supply Co. Ltd., M/A. M/s. J. B. Maneckji & Co., Mehta House, Apollo Street, Fort, Bombay. | 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |

MAHARASHTRA—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------------|---|---|--------------------------------|--|
| | | | Voltage | A. C. or D. C. & Phases |
| COMPANIES—contd. | | | | |
| 15 | 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. | 22,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 16 | 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. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 17 | Bhor | Thopte Electric Supply Co. Pvt. Ltd., (Bhor Branch), M/s. Thopte Patel and Co., Nana Bhavan, 1194/20 Ghole Road, Poona-4. | 2,200 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 18 | Bombay Suburban | The Bombay Suburban Electric Supply Co. Ltd., Central Administration Deptt., M/s. Killick Industries Ltd., 5, Graham Road (4th Floor), Ballard Estate, P. O. Box No. 109, Bombay-1. | 22,000 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 19 | Chalisgaon | The Amalgamated Electricity Co. Ltd., (Chalisgaon Branch), M/A. M/s. N. C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Bombay-1. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 20 | Dhond | The Dhond Electric Supply Co., Dhond | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 21 | Ichalkaranji | The Ichalkaranji Electric Supply Co., Ichalkaranji (Distt. Satara). | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 22 | Igatpuri | The Igatpuri Electric Supply Co., M/A. M/s. Pandit & Co., 15, Forbes Street, Fort, Bombay-1. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 23 | Jalgaon | The Amalgamated Electricity Co. Ltd., Jalgaon Branch, M/A. M/s. N. C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Bombay. | 11,000 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 24 | Junnar | The Junnar Electric & Water Supply Co. Ltd., M/A. M/s. Thopte Patel & Co., 'Nana Bhavan' 1194/20, Ghole Road, Poona-4. | 22,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 25 | Karad | The Karad Electric Supply Co., Private Ltd., Karad. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 26 | Kurundwad | The Kurundwad Electric Supply Co. Ltd., Kurundwad (Distt. Kolhapur). | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 27 | Koregaon | The Allied Electric Agencies Private Ltd., Power House, Koregaon (North Satara) | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 28 | Karmala | The Karmala Electric Supply Co., Station Road, Pandharpur. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 29 | Lonavala-Khandala | The Lonavala-Khandala Electric Supply Co. Ltd., Lonavala. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |

MAHARASHTRA—contd.

| Serial No. | Name of the Undertaking/ Power station | Address of Undertaking. | System of Supply | |
|------------------|---|---|-------------------------------|--|
| | | | Voltage | A. C. or D. C. & Phase |
| COMPANIES—contd. | | | | |
| 30 | Lasalgaon | The Lasalgaon Cooperative Electric Supply Society Ltd., Lasalgaon, Distt. Nasik. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 31 | Madhavnagar | The Madhavnagar Electric Supply Co. Ltd., Madhavnagar. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 32 | Mahabaleshwar | The Mahabaleshwar Electric Supply Co. Ltd., M/A. M/s. Panchaguni Electric Supply Co. Ltd., 96, Dancan Road, Byculla, Bombay. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 33 | Mahad | The Mahad Electric Supply Co. Ltd., Mahad (Distt. Kolaba). | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 34 | Malegaon | The Amalgamated Electricity Co. Ltd., (Malegaon Branch) M/A. M/s. N. C. Javeri & Co., Post Box No. 879, 17-B, Horniman Circle, Fort, Bombay-1. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 35 | Matheran | The Matheran Electric Supply Co. Ltd., Mehta House, Apollo Street, Fort, Bombay. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 36 | Miraj | The Miraj Electric Supply Co. Ltd., Miraj (South Satara). | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 37 | Nagpur | The Nagpur Electric Light and Power Co. Ltd., Civil Lines, Post Box No. 2, Nagpur. | 11,000 3,300 400 230 | 3 ph. A. C. 3 Ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 38 | Nasarapur | The Nasarapur Electric Supply Co. Ltd., Prop. N. S. Chakke, 649, Shanwar Peth, Poona-2. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 39 | Nira-Lonand | The Nira-Lonand Electric Supply Co., M/A., M/s. Thopte Patel & Co. 'Nana Bhavan', 1194/20, Ghole Road, Poona-4. | 22,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 40 | Palghar Navli | The Light and Power Suppliers Ltd., (Palghar Navli Branch), M/A., Industrial Service Ltd., Gumaste Buildings, 180, Budhwar Peth, Laxmi Road, Poona-2. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 41 | Pandharpur | The Pandharpur Electric Supply Co., Station Road, Pandharpur. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 42 | Panvel-Taluka | The Panvel Taluka Electrical Development Co. Ltd., M/A. M/s. Bantia Brothers, Kesar Baug, Panvel. | 6,600 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 43 | Sailu | The Proprietor, Sailu Electric Supply Co., Sailu (Central Railway), Distt. Parbhani. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 44 | Sangamner | The Sangamner Electric Supply Co. Ltd., M/A. M/s. Penta & Co., Sangamner, Distt. Ahmednagar. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 45 | Satara | The Satara Electric Supply Co. Private Ltd., 217, Partapagang Peth, Satara City. | 400 230 | 3 ph. A. C. 1 ph. A. C. |

MAHARASHTRA—concl'd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------------|--|---|--|--|
| | | | Voltage | A. C. or D. C. & Phase |
| COMPANIES—contd. | | | | |
| 46 | Shirwal | Thopte Electric Supply Co. Pvt. Ltd., (Shirwal Branch), M/s. Thopte Patel & Co. 'Nana Bhavan' 1194/20, Ghole Road, Poona 4. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 47 | Tata Hydro | The Tata Hydro Electric Agencies Ltd., Bombay House, 24, Bruce Street, Fort, Bombay. | 110,000 22,000 6,600 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. |
| 48 | Tasgaon | The Tasgaon Electricity General Cooperative Society, Ltd., Tasgaon (Distt. Satara). | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 49 | Thana | The Thana Electric Supply Co. Private Ltd., Court House, (4th Floor), Carnac Road, Dhobi Talao, Bombay. | 11,000 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 50 | Vita | The Co-operative Electric Supply Society Ltd., Vita, (South Satara). | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| MYSORE | | | | |
| 1 | Hydro Electric Construction Project, Government of Mysore. | The Chief Engineer, Hydro Electric Construction Projects, Post Bag No. 360, Race Course, Cross Road, Bangalore-9. | 220,000 66,000 11,000 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. |
| | <i>Hydro Power Stations</i> | | | |
| | 1. Bhadra | | | |
| | 2. Sharavathi | | | |
| 2 | Mysore State Electricity Board. | Board | 220,000 110,000 66,000 33,000 22,000 11,000 6,600 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | (a) <i>Hydro Power Stations</i> | | | |
| | 1. Jog | | | |
| | 2. Munirabad | | | |
| | 3. Sivasamudram | | | |
| | 4. Shimashapura | | | |
| | (b) <i>Thermal Power Stations</i> | | | |
| | 1. Gas turbine Bangalore | | | |
| | <i>Diesel Power Stations</i> | The Chief Engineer (Electricity), Mysore State Electricity Board, Post Bag No. 16, Bangalore-1. | | |
| | 1. Achni | | | |
| | 2. Dharwar | | | |
| | 3. Ramdurg | | | |
| | 4. Kamlanagar | | | |
| | 5. Santhapur | | | |
| | 6. Bhalki | | | |
| COMPANIES | | | | |
| 3 | Bagalkot | Shri Venkatesh Power Works Ltd., Shrimant K. S. Sardesai, Bagalkot. | 400 230 | 3 ph. A. C. 1 ph. A. C. |

MYSORE—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-------------------------|---|---|----------------------|---|
| | | | Voltage | A. C. or D. C. & Phase |
| 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. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 5 | Byadgi | M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 6 | Gadag | M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 7 | Haveri | M/s. Manvi Brothers, Electric Light & Power Suppliers, Gadag, Distt. Dharwar. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 8 | Jamkhandi | The Electric Power Supply Private Ltd., Jamkhandi, Distt. Bijapur | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 9 | Karwar | The Karwar Electric Supply & Trading Co. Ltd., Karwar. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 10 | Nipani | The Nipani Electricity Co. Private Ltd., Dharwar, Nipani, Distt. Belgaum. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 11 | Ranebenur | M/s. Manvi Brothers Electric Light & Power Suppliers, Gadag, Distt. Dharwar. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 12 | Sirsa | The Kanara Electric Supply Co. Ltd. Sirsa (North Kanara). | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| NAGALAND | | | | |
| Nagaland | | | | |
| 1 | Dimapur | The Executive Engineer, Kohima Electrical Division, Kohima (Nagaland). | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 2 | Kohima | | | |
| 3 | Mokokchung | | | |
| 4 | Mor | | | |
| 5 | Tuensang | | | |
| 6 | Wokha | | | |
| 7 | Zumkehota | | | |
| 8 | Chazuba | | | |
| 9 | Tacimimga | | | |
| 10 | Sataka | | | |
| 11 | Agenata | | | |
| 12 | Longkhin | | | |

ORISSA

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|---------------|---|---|------------------|---------------------------|
| | | | Voltage | A. C. or D. C. & Phase |
| 1 | Hirakud Dam Project | The Superintending Engineer, Electrical Circle, Hirakud Dam Project, P. O. Burla, Distt. Sambalpur, Orissa. | 132,000 | 3 ph. A. C. |
| | <i>Hydro Power Stations</i> | | 66,000 | 3 ph. A. C. |
| | 1. Hirakud I | | 11,000 | 3 ph. A. C. |
| | 2. Hirakud II | | 6,600 | 3 ph. A. C. |
| | | | 440 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| BOARD | | | | |
| 2 | Orissa State Electricity Board. | The Chief Engineer, Orissa State Electricity Board, Bhubaneswar. | | |
| | (a) <i>Hydro Power Stations</i> | | | |
| | Deogarh | | | |
| | (b) <i>Steam Power Station</i> | | | |
| | 1. Jobra | | | |
| | 2. Choudhwar | | | |
| | (c) <i>Diesel Power Houses</i> | | | |
| | 1. Athamlic | | 132,000 | 3 ph. A. C. |
| | 2. Baliguda | | 66,000 | 3 ph. A. C. |
| | 3. Rourkela | | 33,000 | 3 ph. A. C. |
| | 4. Deogarh | | 11,000 | 3 ph. A. C. |
| | 5. Boudh | | 3,300 | 3 ph. A. C. |
| | 6. Padampur | | 400 | 3 ph. A. C. |
| | 7. G. Udayagiri | | 230 | 1 ph. A. C. |
| | 8. Phulbani | | | |
| | 9. Khariaroad | | | |
| | 10. Jaleswar | | | |
| | 11. Dasapola | | | |
| | 12. Surada | | | |
| | 13. Bhubaneswar | | | |
| | 14. Nayagarh | | | |
| | 15. Brahumputra | | | |
| | 16. Aska | | | |
| | 17. Khalikite | | | |
| | 18. Balengir | | | |
| | 19. Bhadrak | | | |
| | 20. Titalgarh | | | |
| PUNJAB | | | | |
| 1 | Bhakra Management Board | The Member (Power), Works Section, Bhakra Management Board, Patiala (Punjab). | | |
| | <i>Hydro Power Stations</i> | | | |
| | 1. Bhakra Right Bank | The Chief Engineer, Punjab State Electricity Board, Patiala. | 220,000 | 3 ph. A. C. |
| | 2. Bhakra Left Bank | | 132,000 | 3 ph. A. C. |
| | 3. Ganguwal | | 66,000 | 3 ph. A. C. |
| | 4. Kotla | | 33,000 | 3 ph. A. C. |
| | | | 11,000 | 3 ph. A. C. |
| | | | 3,300 | 3 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |

PUNJAB—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-----------------------|---|---|--------------------------|--|
| | | | Voltage | A. C. or D. C. & Phase |
| 2 | Punjab State Electricity Board. (a) <i>Hydro Power Stations</i> 1. Belling Nullah 2. Nidampur 3. Shanaun (Joginder Nagar) (b) <i>Thermal Power Stations</i> 1. Faridabad (new) 2. Faridabad (old) 3. Nangal 4. Surajpur 5. Yamunanagar (c) <i>Diesel Power Stations</i> 1. Bahadurgarh 2. Sonapat 3. Fazilka 4. Abhor 5. Kasouli 6. Moga 7. Rupar 8. Dalhousie 9. Panipat 10. Kandaghat 11. Sangrur 12. Ambala (New) 13. Ambala (Old) 14. Jullundur 15. Hoshiarpur 16. Faridkot 17. Faridabad 18. Patiala (Yadvindra) 19. Chandigarh 20. Kaithal 21. Rewari | The Chief Engineer, Punjab State Electricity Board, Patiala. | | |
| MUNICIPALITIES | | | | |
| 3 | Amritsar | The Chief Electrical Engineer, Amritsar Municipal Committee, Amritsar. | 400 230 440 230 | 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |
| 4 | Simla | The Chief Electrical Engineer, Municipal Committee, Simla-1. | 2,200 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| COMPANIES | | | | |
| 5 | Loharu | The Loharu Electric & Water Supply Co. (Private) Ltd., P. O. Loharu, Distt. Hissar. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 6 | Malerkotla | The Malerkotla Power Supply Co., Proprietor M/s. Bhagwan Dass & Sons, Malerkotla. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 7 | Sirsa | The Sirsa Electric Supply Co., C/o The Lal Chand Minda, Sirsa. | 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |

RAJASTHAN

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|--|------------------|----------------------------|
| | | | Voltage | A. C. or D. C. & Phases |
| 1 | Rajasthan State Electricity Board. | BOARD | | |
| | (a) Thermal Power Stations | | | |
| | 1. Alwar | | 132,000 | 3 ph. A. C. |
| | 2. Kotah | | 66,000 | 3 ph. A. C. |
| | 3. Bharatpur | | 33,000 | 3 ph. A. C. |
| | 4. Jodhpur (Old) | | 11,000 | 3 ph. A. C. |
| | 5. Bikaner | | 6,600 | 3 ph. A. C. |
| | 6. Jodhpur (New) | | 3,300 | 3 ph. A. C. |
| | 7. Jaipur | | 2,000 | 3 ph. A. C. |
| | 8. Gas Turbine Kotah. | | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| | (b) Diesel Power Stations | | | |
| | 1. Deogarh | | | |
| | 2. Ladnun | | | |
| | 3. Pokran | | | |
| | 4. Kushalgarh | | | |
| | 5. Nathdwara | | | |
| | 6. Partapgarh | | | |
| | 7. Kotah | | | |
| | 8. Deedwana | | | |
| | 9. Kankroli | | | |
| | 10. Baren | | | |
| | 11. Deoli | | | |
| | 12. Balotra | | | |
| | 13. Todabhim | | | |
| | 14. Sahnura | | | |
| | 15. Chhabra | | | |
| | 16. Jhalawar | | | |
| | 17. Kegri | | | |
| | 18. Serohi | | | |
| | 19. Jalore | | | |
| | 20. Nagaur | | | |
| | 21. Bundi | | | |
| | 22. Phalodi | | | |
| | 23. Sikar | | | |
| | 24. Rajgarh | | | |
| | 25. Sumerpur | | | |
| | 26. Jaisalmer | | | |
| | 27. Bhinmul | | | |
| | 28. Karauli | | | |
| | 29. Barmee | | | |
| | 30. Tonk | | | |
| | 31. Nawai | | | |
| | 32. Malpura | | | |
| | 33. Banswara | | | |
| | 34. Reodar | | | |
| | 35. Dungepur | | | |
| | 36. Dholpur | | | |
| | 37. Pali | | | |
| | 38. Sagwara | | | |
| | 39. Bhilwara | | | |
| | | The Chief Engineer, Rajasthan State Electricity Board, Jaipur. | | |

UTTAR PRADESH

| Sl. No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|---------|---|--|------------------|--------------------------|
| | | | Voltage | A.C. or D.C. & Phases |
| 1 | Uttar Pradesh State Electricity Board | BOARD | | |
| | (a) <i>Hydro Power Stations</i> | | | |
| | 1. Dharasu | | 220,000 | 3 ph. A. C. |
| | 2. Pipalkoti | | 132,000 | 3 ph. A. C. |
| | 3. Barkot | | 66,000 | 3 ph. A. C. |
| | 4. Simli | | 44,000 | 3 ph. A. C. |
| | 5. Bageshwar | | 33,000 | 3 ph. A. C. |
| | 6. Rudraprayag | | 22,000 | 3 ph. A. C. |
| | 7. Joshimath | | 11,000 | 3 ph. A. C. |
| | 8. Chanipwat | | 6,600 | 3 ph. A. C. |
| | 9. Uttarkashi | | 3,300 | 3 ph. A. C. |
| | 10. Palra | | | |
| | 11. Summera | | | |
| | 12. Bhola | | | |
| | 13. Chitaura | | | |
| | 14. Salawa | | | |
| | 15. Nirgajni | | | |
| | 16. Matatila | | | |
| | 17. Mohammadpur | | | |
| | 18. Pathri | | | |
| | 19. Dhakrani | | | |
| | 20. Khatima | | | |
| | 21. Dhalipur | | | |
| | 22. Rihand | | | |
| | (b) <i>Thermal Power Stations</i> | | | |
| | 1. Balrampur | | | |
| | 2. Rampur | | | |
| | 3. Mainpuri | | | |
| | 4. Allahabad | | | |
| | 5. Mau | | | |
| | 6. Gorakhpur | | | |
| | 7. Chandausi | | | |
| | 8. Faizabad | | | |
| | 9. Harduaganj (Old) | | | |
| | 10. Lucknow | | | |
| | 11. Harduaganj (New) | | | |
| | 12. Muradnagar Gas Turbine | | | |
| | 13. Kanpur | | | |
| | | The Chief Engineer (Hydel), Uttar Pradesh State Electricity Board, Lucknow. | | |
| | | The Kanpur Electricity Supply Administration, KESA House, P. B. No. 141, Kanpur. | 33,000 | 3 ph. A. C. |
| | | | 11,000 | 3 ph. A. C. |
| | | | 6,600 | 3 ph. A. C. |
| | | | 3,300 | 3 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| | (c) <i>Diesel Power Stations</i> | | | |
| | 1. Laksar | | | |
| | 2. Chamoli | | | |
| | 3. Pithorgarh | | | |
| | 4. Joshimath | | | |
| | 5. Tehri | | | |
| | 6. Tundla | | | |
| | 7. Palra | | | |

UTTAR PRADESH—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|---|---------------------|---|
| | | | Voltage | A. C. or D. C. & Phases |
| | | BOARD—contd. | | |
| | 8. Pauri | | 220,000 | 3 ph. A. C. |
| | 9. Saharanpur | | 132,000 | 3 ph. A. C. |
| | 10. Matatila | | 66,000 | 3 ph. A. C. |
| | 11. Gorakhpur City | | 44,000 | 3 ph. A. C. |
| | 12. Muradabad | | 33,000 | 3 ph. A. C. |
| | 13. Sohwal | | 22,000 | 3 ph. A. C. |
| | 14. Mainpuri | | 11,000 | 3 ph. A. C. |
| | 15. Meerut | | 6,600 | 3 ph. A. C. |
| | 16. Jhansi | | 3,300 | 3 ph. A. C. |
| | 17. Lohia Head | | | |
| | 18. Shahjahanpur | | | |
| | 19. Gorakhpur | | | |
| | 20. Nib-Karori | | | |
| | 21. Aligarh | | | |
| | 22. Dhakrani | | | |
| | 23. Kalagarh | | | |
| | 24. Damogh | | | |
| | 25. Sultanpur | | | |
| | 26. Baharaich | | | |
| | 27. Ghaziabad | | | |
| | | The Chief Engineer (Hydel), Uttar Pradesh State Electricity Board, Lucknow. | | |
| | | MUNICIPALITIES | | |
| 2 | Alomra | The Electrical and Water Works Engineer, Municipal Board, Almora. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 3 | Haldwani | The Electrical and Municipal Engineer, Muni- cipal Board, Haldwani-cum-Kathgodam, Hal- dwani. | 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 4 | Hardwar | The Electrical and Water Works Engineer, Municipal Board, Hardwar Union, Hardwar. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 5 | Kasganj | The Electrical Engineer, Municipal Electric Supply, Kasganj. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 6 | Khurja | The Electrical Engineer, Municipal Electric Supply, Municipal Board, Khurja. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 7 | Lalitpur | The Municipal Electric Supply Undertaking, Lalitpur. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 8 | Meerut | The Electrical Engineer, Municipal Board, Meerut. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 9 | Muzaffarnagar | The Electrical Engineer, Municipal Board, Muzaffarnagar. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 10 | Mussoorie | The President, Mussoorie Dehra Hydro Electric Undertaking, City Board, Mussoorie. | 6,600 300 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 11 | Nainital | The Electrical & Mechanical Engineer, Muni- cipal Board, Nainital. | 380 230 | 3 ph. A. C. 1 ph. A. C. |
| 12 | Roorkee | The President, Municipal Board, Roorkee | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 13 | Rishikesh | The President, Municipal Board, Rishikesh | 400 230 | 3 ph. A. C. 1 ph. A. C. |

UTTAR PRADESH—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|---|------------------|----------------------------|
| | | | Voltage | A. C. or D. C. & Phases |
| 14 | Unnao | MUNICIPALITIES—contd. The Electrical & Water Works Engineer, Municipal Board, Unnao. | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| 15 | Aligarh | COMPANIES The Aligarh Electric Supply Co. Ltd., M/A. M/s. Jain & Co. (Pvt.) Ltd., Udai Singh Jain Road, Mathura. | 11,000 | 3 ph. A. C. |
| | | | 3,300 | 3 ph. A. C. |
| 16 | Agra | The Agra Electric Supply Co. Ltd., M/A. M/s. Martin Burn Ltd., 12, Mission Row, Cal- cutta-1. | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| 17 | Banaras | The Banaras Electrical Light & Power Co. Ltd., M/A. M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1. | 11,000 | 3 ph. A. C. |
| | | | 3,300 | 3 ph. A. C. |
| 18 | Bareilly | The Bareilly Electric Supply Co. Ltd., M/A. M/s. Martin Burn Ltd., 12, Mission Row, Calcutta-1. | 6,600 | 3 ph. A. C. |
| | | | 3,300 | 3 ph. A. C. |
| 19 | Barabanki | The Barabanki Electric Supply Co. Ltd., M/A. The Progressive Industries, Barabanki. | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| 20 | Budaun | The Kishore Electric Supply Corporation, C/o Kishore Chand Shiv Charan Lal, Budaun. | 3,300 | 3 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| 21 | Etawah | The Western United Provinces Electric Power and Supply Co. Ltd., M/A. M/s. Alopi Prashad and Sons Private Ltd., P. B. No. 1097 Kashmere Gate, Delhi-6. | 230 | 1 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| 22 | Farrukhabad | The Farrukhabad Electric Supply Co. Ltd., M/A. M/s. Radheshyam & Brothers, Fate- garh. | 37,500 | 3 ph. A. C. |
| | | | 11,000 | 3 ph. A. C. |
| 23 | Faizabad | The Faizabad Electric Licensee (1953), C/o The British Insulated Calenders Cables Ltd., 116, Station Road, Faizabad. | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| 24 | Jaunpur | The Jaunpur Electric Licensees (1934), C/o The British Insulated Calenders Cables Ltd., Jaunpur. | 3,300 | 3 ph. C. A. |
| | | | 400 | 3 ph. A. C. |
| 25 | Kosikalan | The Kosi Electric Supply Co., Kosikalan, Distt. Mathura. | 230 | 1 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| 26 | Mathura | The Resident Engineer, The Mathura Electric Supply Co. Ltd., Mathura. | 230 | 1 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| 27 | Mirzapur | The Mirzapur Electric Supply Co. Ltd., Mirza- pur. | 3,000 | 3 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |

UTTAR PRADESH—concl'd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-------------------------|--|---|--------------------------|--|
| | | | Voltage | A. C. or D. C. & Phases |
| COMPANIES—contd. | | | | |
| 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. 1 ph. A. C. |
| 29 | Rai Bareili, Pratapgarh, Saharanpur, Bachrawan, Maharajgani, Salon & Jais. | The Commercial Officer, the Rohtak and Hissar Districts Electric Supply Co. Ltd., 5, Prayag Street, Allahabad.2. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 30 | Sadabad | The Sadabad Electric Supply Co., C/o M/s. M. N. Bhargava & Brothers, Sadabad. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 31 | Saharanpur | The Saharanpur Electric Supply Co. Ltd., Ram- nagar (Pathanpura Street), P. B. No. 16, Saharanpur. | 400 230 440 200 | 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |
| 32 | Shahajahanpur | The Shahjahanpur Electric Supply Co. Ltd., M/A. M/s. Octavious Steel & Co. Ltd., 14, Old Court House Street, P. B. No. 51, Cal- cutta. | 3,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| WEST BENGAL | | | | |
| BOARD | | | | |
| 1 | West Bengal State Elec- tricity Board. | | | |
| | (a) Hydro Power Stations | | | |
| | 1. Bijanbari | | | |
| | 2. Kurseong | | | |
| | (b) Steam Power Stations | | | |
| | 1. Farakka Packaged Plant | The Chief Engineer, West Bengal State Electricity Board, New Secretariat Buildings (7th Floor), 1 Hastings Street, Calcutta-1. | 220,000 | 3 ph. A. C. |
| | 2. Dishergarh Packaged Plant. | | 132,000 | 3 ph. A. C. |
| | 3. Gourepore | | 66,000 | 3 ph. A. C. |
| | 4. Bandel. | | 33,000 | 3 ph. A. C. |
| | | | 22,000 | 3 ph. A. C. |
| | | | 11,000 | 3 ph. A. C. |
| | | | 6,600 | 3 ph. A. C. |
| | | | 2,200 | 3 ph. A. C. |
| | | | 400 | 3 ph. A. C. |
| | | | 230 | 1 ph. A. C. |
| | (c) Diesel Power Stations | | | |
| | 1. Mal | | | |
| | 2. Haldibari | | | |
| | 3. Birpara | | | |
| | 4. Mathabhanga | | | |
| | 5. Changrabandha | | | |
| | 6. Balurghat | | | |
| | 7. Raiganj | | | |
| | 8. Malda | | | |
| | 9. Siliguri | | | |
| | 10. Cooch Behar | | | |
| | 11. C.D.S. Malda | | | |
| 2 | Govt. of West Bengal Mas- sanjore Hydel Power Sta- tion. | The Assistant Engineer, Massanjore Hydel Power Station, P. O. Massanjore Distt. Santhal Parganas. | 33,000 11,000 | 3 ph. A. C. 3 ph. A. C. |

WEST BENGAL—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-----------------------|---|--|---|---|
| | | | Voltage | A. C. or D. C. & Phases |
| 3 | Durgapur Projects Limited (A Govt. of West Bengal Undertaking). | Manager, Power Plant Deptt., The Durgapur Projects Limited, 10, Middleton Road, Calcutta-16. | 11,000 6,000 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| MUNICIPALITIES | | | | |
| 4 | Darjeeling | The Chairman, Darjeeling Municipality Elec- trical Department, Darjeeling. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| COMPANIES | | | | |
| 5 | Andul Mouri | The National Power Supply Corporation Ltd., (Andul Mouri Branch), 23-B, Allenby Road, Calcutta-6. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 6 | Asansol | The Asansol Electric Supply Co. Ltd., M/A. M/s. Bengal Trust Ltd., G. T. Road, Asansol. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 7 | Bankura | The West Bengal Power Supply Co. Ltd., M/A. M/s. B. N. Elias & Co. (P) Ltd., National Tobacco Building 1 & 2, Old Court House Corner, Calcutta-1. | 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 8 | Bansberia | The East India Electric Supply & Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 9 | Barakar | The Barakar Electric Supply Co. Licensee, Babu Hari Ram Agarwala, P. O. Bharakar, Distt. Burdwan. | 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 10 | Berhampur | The Berhampur Electric Supply Co. Ltd., M/A. M/s. S. C. Nag & Co., Berhampur, P. O. Khagra, Distt. Murshidabad. | 11,000 400 230 440 220 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |
| 11 | Bhatpara | The Riverside (Bhatpara) Electric Supply Co. Private Ltd., M/A. M/s. Development of Industries (India) Ltd., 135, Princep Street, Calcutta-1. | 11,000 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 12 | 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. 1 ph. A. C. |
| 13 | Chandernagore | The Chandernagore Electric Supply Co. Pvt. Ltd., M/A. M/s. S. Bhur Jr., 20, Park Street, Calcutta-16. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 14 | Calcutta | The Calcutta Electric Supply Corporation Ltd., Victoria House, Calcutta-1. | 132,000 33,000 22,000 6,600 3,300 400 230 450 225 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |

WEST BENGAL—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|-------------------------|---|---|-------------------------------|--|
| | | | Voltage | A. C. or D. C. & Phases |
| COMPANIES—contd. | | | | |
| 15 | Dishergarh | The Dishergarh Power Supply Co. Ltd., Central Office, Sanctoria, P. O. Dishergarh, Distt. Burdwan. | 11,000 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 16 | Hooghly Chinsura | The East India Electric Supply and Traction Co. Ltd., 3, Jogendra Kaviraj Row, Calcutta. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 17 | 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. 1 ph. A. C. |
| 18 | Jamuria | The Jamuria Electric Supply Co., M/A. M/s. Bengal Trust Ltd., G. T. Road, Asansol. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 19 | Kalimpong | The Kalimpong Electric Supply Co. Ltd., 16, Ganesh Ch. Avenue, Calcutta-13. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| 20 | Krishnagar | The West Bengal Power Supply Co. Ltd., M/A. M/s. B. N. Elias & Co. (P) Ltd., Norton Buildings, 1 & 2 Old Court House Corner, Calcutta. | 11,000 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 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. | 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 22 | Nabadwip | The West Bengal Power Supply Co. Ltd., M/A. M/s. B. N. Elias & Co. (P) Ltd., National Tobacco Building, 1 & 2 Old Court House Corner, Calcutta. | 11,000 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 23 | Naihati | The National Electric Supply Co. Ltd., M/A. M/s. Sanyal & Co., 309, Bowbazar Street, Calcutta-12. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 24 | Purulia | The Purulia Electric Supply Co. Ltd., M/A. M/s. The Purulia Trading Co. Private Ltd., Purulia. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 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. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 26 | Seebpore | Associated Power Co. Ltd. (Seebpore Power House), Central Office, Sanctoria, P. O. Dishergarh, Distt. Burdwan. | 11,000 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 27 | Tarakeshwar | The Tarakeshwar Electric Supply Co. Ltd., 9, Lalbazar Street, Calcutta-1. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 28 | Vishnupur | The Vishnupur Electric Supply & Industrial Development Co. Ltd., 23-B, Allenby Road, Calcutta-20. | 400 230 | 3 ph. A. C. 1 ph. A. C. |

UNION TERRITORIES GOVERNMENTS

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|--------------------------------------|--|---|---|---|
| | | | Voltage | A.C. or D.C. & Phases |
| DELHI | | | | |
| 1 | Delhi Electric Supply Undertaking. | The Chief Engineer, Electric Supply Undertaking, (Municipal Corporation of Delhi) Central Power House, Rajghat, P. O. Box No. 589, New Delhi. | 33,000 11,000 6,600 400 230 500 250 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |
| | (a) Steam Power Stations | | | |
| | 1. Chanderwal 2. Inderprastha 3. Rajghat | | | |
| | (b) Diesel Power Stations | | | |
| | 1. Rajghat 2. Lohorigate 3. Kilokeri | | | |
| 2 | New Delhi Municipal Committee. | The Electrical Engineer, Electricity Department, New Delhi Municipal Committee, New Delhi. | 6,600 400 230 440 220 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |
| ANDAMAN & NICOBAR ISLANDS | | | | |
| | Government of Andaman & Nicobar Islands, Port Blair. | The Resident Engineer, Andaman and Nicobar Islands, Port Blair. | 6,600 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | (a) Steam Power Station | | | |
| | Chatham | | | |
| | (b) Diesel Power Stations | | | |
| | 1. Chatham 2. Rangat 3. Mayabam | | | |
| GOA, DAMAN & DIU | | | | |
| 1 | Government of Goa, Daman & Diu. | The Chief Electrical Engineer, Government of Goa, Daman & Diu, 'Durga Bhavan' Tonda-Caranzalem, P. O. Panjim. | 110,000 33,000 11,000 400 230 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. D. C. 3 Wire D. C. 2 Wire |
| | Diesel Power Stations | | | |
| | 1. Div 2. Ponda 3. Carcharam 4. Daman | | | |

UNION TERRITORIES GOVERNMENTS—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|--|--|--|
| | | | Voltage | A.C. or D.C. & Phase |
| | | GOA, DAMAN & DIU—contd. | | |
| 2 | 5. Mapuca 6. Margao 7. Panjim Municipality Mormugoa | The President, Camara Municipal DE MORMUGOA, Secretaria, Vascode Gama. COMPANY | 3,300 460 | 3 ph. A. C. D. C. 3 Wire |
| | Chowgule | Chowgule & Co. Ltd., Mechanical Ore Handling Division, Plant Office Berth No. VII, MORMUGOA HARBOUR (GOA). DADRA NAGAR HAVELI | 3,300 | 3 ph. A. C. |
| | Government of Dadra Nagar Haveli. | The Executive Engineer, Dadra & Nagar Haveli P.W. D. Silvassa. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 1 | Government of Himachal Pradesh. (a) Hydro Power Stations | HIMACHAL PRADESH The Chief Engineer, Multipurpose Projects and Power, Himachal Pradesh Government, Simla-4. | 66,000 35,000 22,000 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | 1. Chaila 2. Bharmour 3. Chamba 4. Nogli 5. Shansha 6. Keylong 7. Jubbal (b) Diesel Power Stations | | | |
| | 1. Bharmour 2. Rampur 3. Theog 4. Solan | | | |
| | Government of Laccadives Minicoy. | LACCADIVES MINICOY ISLANDS The Executive Engineer, P. W.D., Union Territory of Laccadives, Kavarathi (Via.) H.P.O. Calicut. | 400 230 | 3 ph. A. C. 1 ph. A. C. |
| | Diesel Power Stations | | | |
| | 1. Minicoy Island Power House. 2. Kavarathi Island Power House. 3. Amin Island Power House. 4. Androth Island Power House. | | | |

UNION TERRITORIES GOVERNMENTS—contd.

| Serial No. | Name of the Undertaking/ Power Station | Address of Undertaking | System of Supply | |
|------------|---|---|--------------------------------|--|
| | | | Voltage | A. C. or D. C. & Phases |
| | | MANIPUR | | |
| | Government of Manipur (a) <i>Hydro Power Station</i> | The Principal Engineer, Manipur Government P.W.D., Imphal. | 22,000 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | Leimokhong | | | |
| | (b) <i>Diesel Power Stations</i> | | | |
| | 1. Moreh 2. Thoubal 3. Jiribam 4. Moirang 5. Ukhrul 6. Imphal 7. Mao | | | |
| | | PONDICHERRY | | |
| 1 | Government of Pondicherry | The Director of Electricity, Electricity Department, Pondicherry. | 22,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | | COMPANIES | | |
| 2 | Karaikal | The Karaikal Electric Supply Co. Ltd., M/A. M/s. A. S. Ahilandam, 13, West Boulevard Road, Tiruchirapalli-8. | 11,000 3,300 400 230 | 3 ph. A. C. 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| 3 | Mahe | The Electrical Engineer, The West Coast Electric Supply Corporation Ltd., M/A. M/s. Chandrie and Co. (Private) Ltd. | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | | TRIPURA | | |
| | Government of Tripura | The Executive Engineer, Government of Tripura, Electrical and Mechanical Division, Agartala (Tripura). | 11,000 400 230 | 3 ph. A. C. 3 ph. A. C. 1 ph. A. C. |
| | <i>Diesel Power Stations</i> | | | |
| | 1. Khowai 2. Kailashwar 3. Udaipur 4. Dharamnagar 5. Agartala 6. Ambassa 7. Bagaffa | | | |

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| Jointly owned | 2·3(11) |
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