



GOVERNMENT OF INDIA  
MINISTRY OF ENERGY  
(Department of Power)  
CENTRAL ELECTRICITY AUTHORITY

**PUBLIC ELECTRICITY SUPPLY  
ALL INDIA STATISTICS  
1973-74**

**GENERAL REVIEW**

AS COMPILED BY THE COMMERCIAL DIRECTORATE



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## FOREWORD

As in previous years, the General Review for the year 1973-74 presenting in a summarised form, the salient features of the progress and development in the various aspects of the Electricity Supply Industry has been brought out. The format of the 'General Review' has been revised this year to facilitate quicker reference to any data relating to generation, transmission or consumption. While the general pattern of the tables has been retained, the sequence has been changed and regrouped into eight separate sections. A few new tables which are considered as useful have been introduced and at the same time some tables which were repetitive in nature have been deleted.

The Authority expresses its gratitude to the various organisations in the public and private sectors of the power supply industry and to the industrial undertakings who have supplied the necessary data for compilation of this review. In some of the cases where the data has not been received, the compilation of the figures have been carried out on estimations. This publication could have been brought out earlier if the data had been supplied by some organisations in time. The importance and utility of a statistical publication of this nature requires that the information is to be made available immediately after the completion of the year to which it relates. Therefore, the cooperation of all Electricity Supply Undertakings is solicited in furnishing statistical data to this Authority within the time stipulated. While all efforts have been made to ensure the accuracy of the information contained in this publication, the Authority accepts no responsibility for any error or omission therein.

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# PUBLIC ELECTRICITY SUPPLY ALL INDIA STATISTICS, 1973-74

## GENERAL REVIEW

### 1. GENERAL POWER SUPPLY POSITION

#### 1.1 Installed capacity and Generation

The total installed capacity of the utilities as at the end of the year under review was 16,664 MW inclusive of 96 MW of Chola Power Station belonging to the Central Railway. The gross addition to the generating capacity in the utility sector was 408.59 MW representing an increase of 2.51% over the total installed capacity at the end of the previous year. The gross energy produced was 66,689 Million kWh and the energy purchased from the non-utilities was 114.87 Million kWh. The percentage increase in the total energy availability over the previous year was 3.04%. The net energy sold to the ultimate consumers after taking into account the consumption in station auxiliaries, losses in transformation, transmission and distribution and unaccounted for energy was 50,246.38 Million kWh showing an increase of 2.36% over the previous year.

The installed capacity and the Gross energy produced in the non-utility sector to the extent the details were received (mainly by industries) were 1,732.7 MW and 6,067 Million kWh respectively, as compared to the previous year's figures of 1,652.8 and 1,268.7 Million kWh.

The year 1973-74 was not a good year in as much as the addition to capacity was less than 50% of the capacity added during the previous year. The percentage increase in energy generation was also lower being 3.32% as compared to an increase of 5.94% during the previous year. The hydro generation was much higher due to good rains but this was somewhat off set by lower outputs from the thermal power stations.

The second nuclear power station in the country at Kota, Rajasthan also started producing power and the total energy contribution from the two nuclear power stations was appreciably higher being 2396.36 Million kWh. The increase over the previous year was of the order of 111.55%.

There was reduction in the generation of energy from diesel and gas turbine plants. As compared to 603.19 Million kWh during 1972-73 the output for the year 1973-74 was 467.75 Million kWh.

As the demand for power exceeded the availability, restrictions and power cuts were imposed in most parts of the country except in the states of Kerala, Rajasthan, Madhya Pradesh, Himachal Pradesh and Delhi. The over-all picture of the power development in the country since 1951 is summarised in Table I.

#### 1.2 Regional Grids

The entire country is divided into five regions for the purpose of coordinated operation of power-plants-power supplies. The Northern Region consists of power supply in the states/Territories of Punjab, Jammu & Kashmir, Haryana, Himachal Pradesh, Delhi, Uttar Pradesh and Rajasthan. The constituents of Western Region are the Madhya Pradesh, Maharashtra and Gujarat system. The power supply of Andhra Pradesh, Tamil Nadu, Kerala, and Karnataka constitute the Southern Region. The Eastern Region comprises of Bihar, West Bengal, Orissa and D.V.C. systems. The North-Eastern Region constitutes the power systems in Assam, Meghalaya, Manipur, Tripura, Nagaland, Mizoram and Arunachal Pradesh. Inter connections have been established between different power systems within the Region to permit coordinated operation of power plants. The Regions themselves are interconnected to permit flow of energy and power at any time from one region to another. The quantum of inter-state transfer of energy was 4,817.13 Million kWh corresponding to 7.2% of the total energy produced by the utilities.

#### 1.3 Classification of Electricity supply undertakings

Out of the 21 states only seventeen had the State Electricity Boards. States of Manipur, Tripura, Nagaland, and Meghalaya did not have their own Electricity Boards. Apart from Electricity Boards,

some Municipalities and local authorities, Government departments and private licensees including co-operatives were also engaged in the supply of power. Various agencies which were engaged in generation & distribution or distribution only, are given below :—

Ownership	Generating, and distributing	Generating, purchasing and distributing	Distributing
<b>1. Public Sector</b>			
(a) State Elec. Boards . . . . .	..	17	..
(b) Elec. Deptts/Govt. Undertakings/Corps. . . . .	15	5	3
(c) Municipalities and local authorities . . . . .	..	6	31
<b>2. Private Sector</b>			
Companies including cooperatives . . . . .	3	21	71

NOTE.—Renuagar Power Supply Company has not been included in the list of companies.

During the year 18 private electricity undertakings were acquired either after the expiry of the license periods or through special laws. Out of the existing 95 companies, three of them which were operating in Calcutta, Ahmedabad and Bombay areas handled 69.75% of total energy supplied to the consumers by all the private companies.

Majority of the private licensees were operating in the states of Maharashtra (23), Gujarat (14), West Bengal (14) and Uttar Pradesh (15). Haryana, Himachal Pradesh, Manipur, Tripura, Nagaland, J. & K. and Orissa did not have any private licensees/Cooperatives.

## 2. INSTALLED CAPACITIES AND TYPES OF PLANTS

### 2.1 Addition and deletion of plants

During the year under review 408.59 MW of power plant was added. This comprised 220 MW of steam, 179 MW of hydro and 9.59 MW of diesel plants. An important addition in the non-utility sector was 55 MW plant in Bokaro Steels Ltd. Twenty-three sets with an aggregate capacity of 52.31 MW were taken out of service during the year. This comprised 34.63 MW of steam, 12.5 MW of gas turbine and 5.18 MW of diesel plants. The 12.5 MW gas turbine set existing at Gauhati has been taken out of service only for reinstallation at Namrup. The largest unit that was retired was the 12.5 MW at Gossipore in Calcutta. The proportions of plant additions under hydro steam and diesel to the total added plant capacity are 43.81%, 53.84% and 2.35% respectively. The aggregate installed capacity, energy generated, kWh per kW for different types of plants (as at the end of the year) are indicated below :—

Aggregate installed plant capacity as on 31-3-74(MW)	Increase over previous year (%)	Gross Energy Generated 1972-73 (Million kWh)	Gross Energy Generated 1973-74 (Million kWh)	% increase over previous year (%)	kWh per kW of installed Capacity
1	2	3	4	5	6
<i>Hydro</i> 6,965.30	2.65	27,195.95	28,971.84	6.53	4,159
<i>Steam</i> 8,651.76	2.17	35,614.12	34,853.08	22.14	4,028
<i>Gas</i> 165.50	(—)7.02	458.54	343.14	(—)25.17	2,073
<i>Diesel</i> 241.00	4.64	144.65	124.61	(—)13.85	517
<i>Nuclear</i> 640.00	3.22	1,132.74	2,396.36	111.55	3,744
<b>TOTAL</b> 16,663.56	<b>2.34</b>	<b>65,546.00</b>	<b>66,689.03</b>	<b>3.32</b>	<b>4,002</b>

## 2.2 Ownership

Out of the aggregate capacity of 16,664 MW at the end of the year, bulk of the plants were operated and maintained by the State Electricity Boards, state Governments/Undertakings, and Central Government/Undertakings. The break-up of the installed capacities and energy generated by the different organisations were as follows :—

Ownership	Total installed capacity (M. W.)	%age of Aggregate capacity	Total energy generated (gross) (Million kWh)	%age of aggregate generation
1	2	3	4	5
(i) State Elec. Board . . . . .	11,062.84	66.39	44,452.25	66.66
(ii) State Govt. Undertakings . . . . .	1,088.99	6.54	5,345.05	8.01
(iii) Central Govt. Undertakings/Corporations . . . . .	2,792.50	16.76	9,650.40	14.47
(iv) Municipalities . . . . .	308.92	1.85	1,235.51	1.85
(v) Companies . . . . .	1,410.31	8.46	6,005.82	9.01
Aggregate . . . . .	16,663.56	100.00	66,689.03	100.00

## 2.3 Hydro Power station

There were in all 113 hydro stations having 368 sets. 69 plants had capacities above 10 MW and accounted for 98.88% of the total hydro plant capacity and their energy contribution was 98.96% of the total hydro energy produced. The position for hydro stations summarised is as follow :—

	1972-73	1973-74	%age increase over 1972-73
No. of hydro stations . . . . .	111	113	1.80
Aggregate plant (capacity (MW) . . . . .	6,785.41	6,965.30	2.65
Total energy generated (Million kWh) . . . . .	27,195.95	28,971.84	6.53
Average plant factor (%) . . . . .	45.75	47.48	3.78

The consumption by station auxiliaries in all the hydro power houses was 112.86 Million kWh corresponding to 0.38% of the total hydro generation of 28,972 Million kWh.

## 2.4 Steam power stations

There were in all 95 steam power stations (excluding nuclear) having 322 sets. Out of these 4.1 plants had installed capacities exceeding 50 MW and accounted for 94.23% of the total energy produced. The position of steam power stations is summarised below :—

	1972-73	1973-74	%age increase over 72-73
	1	2	3
(i) No. of stations . . . . .	95	95	..
(ii) Aggregate installed capacity (MW) . . . . .	8,467.98	8,651.76	2.17
(iii) Total energy generated (gross) . . . . .	35,614.12	34,853.08	(—)2.14
(iv) Installed capacity of plants above 50 (MW) . . . . .	7,756.00	7,963.50	2.68
(v) Energy generated from plants above 50 (MW) . . . . .	33,332.52	32,841.98	(—)1.47
(vi) Fuel consumed			
(a) Coal (tonnes) average calorific value kilo cal/k. g. . . . .	18,666,237 4810	18,306,348 5265	(—)1.39

	1	2	3
(b) Lignite (tonnes) Average calorific value k. cal/k. g. . . . .	2,391,000	2,875,000	20.24
(c) Wood (tonnes) . . . . .	2,353	2,368	
Average calorific value k. cal./k.g. . . . .	11,832	11,707	(-)-1.06
	1,250	1,250	..
(d) Furnace oil (kilolitres) . . . . .	1,721,699	1,762,164	2.35
Average calorific value kilo-cal/liter . . . . .	10,600	9,798	..
(vii) Overall thermal efficiency for plants above 50 MW . . . . .	26.73	25.75	(-)-3.67
(viii) Overall kWh per kW . . . . .	4,206	4,028	(-)-4.23
(ix) kWh per kW installed capacity for plants above 50 MW . . . . .	4,298	4,124	(-)-4.05

8 Power stations had thermal efficiency ranging between 20 to 25 percent and generated 3,713.89 Million kWh. 7 stations operated with efficiencies between 25 to 30 percent and generated 13,735.31 Million kWh. Only 10 stations operated at efficiency more than 30 percent and produced 11,040.79 Million kWh. Eight Power houses with an aggregate capacity of 843.00 MW generated between 4,000 to 4,500 kWh/kW and 4 stations with an aggregate capacity of 772.50 MW produced between 4,500 to 5,000 kWh/kW. There were 22 power plants with an aggregate capacity of 2,389.60 MW which produced more than 5,000 kWh/kW. The maximum output of 7,173 kWh per kW was achieved by Amar-Kantak station which has an installed capacity of 60 MW.

For the entire country 3,258.34 Million kWh corresponding to 9.35% of gross energy generated was consumed in power station auxiliaries.

### 2.5 Nuclear power stations

The first unit of 220 MW capacity of second nuclear power station in the country in Rajasthan commenced producing power during the year. The output of Tarapore Power Station was also substantially higher resulting in a gross increase in generation to 2,396 Million kWh from nuclear sources. 9.54% of the energy generated corresponding to 228.81 Million kWh was consumed in station auxiliaries. The position of nuclear stations vis-a-vis 1972-73 was as follow :-

Name of the Power house	Generation (Million kWh)		
	1972-73	1973-74	%age increase over the year 1972-73
1	2	3	4
1. Tarapore . . . . .	1,132.74	1,908.83	68.51
2. Ranapratsagar . . . . .	Neg.	487.53	100.00
TOTAL . . . . .	1,132.74	2,396.36	111.55

### 2.6 Gas turbine and diesel power stations

Five gas turbine stations with an aggregate capacity of 165.50 MW were in operation and produced 343.14 Million kWh. The output from these stations reduced by 115.40 Million kWh corresponding to a total decrease of 25.17%. Only five states Andhra Pradesh, Assam, Gujarat, Rajasthan, Uttar Pradesh are having gas turbine plants with installed capacity of 20.0, 69.0, 54.0, 10.0 and 12.5 MW respectively.

The diesel plants are mostly concentrated in the States of Assam, Bihar, Gujarat, Punjab, Rajasthan, West Bengal and in Delhi. The position regarding diesel plants is indicated below :

No. of generating stations . . . . .	214
No. of sets . . . . .	745
Aggregate capacity of the sets . . . . .	241.00 MW
Total energy generated . . . . .	124.61 Million kWh
Percentage increase over the previous year . . . . .	(-)-13.85

The consumption in station auxiliaries was 6.89 Million kWh corresponding to 5.52%.

### 2.7 D. C. Generation

There are still a few generating plants producing direct current and they are situated in Dhabhanga (Bihar), Ambala (Haryana), Dobhoi (Gujarat), Dibrugarh (Assam) and Malda (West Bengal). The total capacity of the D. C. plants was 3.15 MW and produced 3 Million kWh energy.

### 2.8 Generation voltage & frequency

The Generation voltage varied from 230 volts to a maximum of 33 kV in case of A. C. sets. The most common voltage however was 11 kV. The standard frequency was 50 Hz. except for one power house namely Sivasamundram (Karnataka) plant which is still producing power at 25 Hz. The voltage range in D. C. generating sets was from 110 to 500 volts.

### 2.9 Per capita installed capacity and generation

The average installed capacity per thousand of population was 28.90 kW as compared to 29.83 kW in the previous year. The average installed capacity was 5.1 kW per sq. km as compared to 5.0 kW in 1972-73. The per capita generation was 126.26 kWh as compared 124.84 kWh in the previous year.

### 2.10 Details of plants and generation by non-utilities stations

Apart from generation by the utilities a number of industrial units are also having their own generating stations either for the purpose of captive generation or for emergencies. The coverage of details about self generation is not complete, as it is difficult to collect data from the thousands of industrial establishments having their own generating sets. However, data from most of the major industries was collected. Based on the data received from 1,157 industrial establishments, the total installed capacity in the non-utilities is 1,732.7 MW and the gross generation was 6,067 Million kWh. The break-up on the basis of prime movers was 1,569.9 MW of steam, 2.7 MW of hydro and 160.1 MW gas and diesel.

Tables 2.1.1 to 2.1.26 and tables 2.2.1 to 2.2.5 furnish additional details of power plants and generation in different classifications.

## 3. TRANSMISSION AND DISTRIBUTION

### 3.1 Transmission and distribution lines

The Power produced in the various generating stations are evacuated through an extensive transmission system. The maximum voltage in service during the year was 230 kV. The other standard voltages are 132 kV, 110 kV and 66 kV though there are some sections of different voltages. The power thus transmitted is supplied to consumers at different voltages from 220 kV to 230 V depending upon the quantum consumed. The table below gives the extent of transmission and distribution lines of different voltages as at the end of the year.

	1972-73 (Circuit kms)		1973-74 (Circuit kms)		%age increase over previous year (Cir.km)	
	O. H.	U. G.	O. H.	U. G.	O. H.	U. G.
220/230 kV . . . . .	12,721	..	13,932	..	9.52	..
132/110 kV . . . . .	44,682	..	45,041	..	0.80	..
78/66 kV . . . . .	23,870	..	24,252	..	1.60	..
44/33/22 kV . . . . .	113,247	1,673	114,530	1,360	1.13	(--) 18.71
11/6.6 kV . . . . .	438,305	8,265	477,713	9,288	8.99	12.38
3.3/2.2 kV . . . . .	3,021	964	3,806	655	25.98	(--) 32.05
Upto 500 volts . . . . .	771,616	..	855,520	..	10.87	..

The densities of transmission lines on 66 kV and above and distribution lines 500 V and below were 0.03 and 0.26 km per sq. kilometre respectively. There were 1.25 km of transmission lines 66 kV and above for every Million kWh generated and 0.82 kms per every 1,000 kWh consumed.

### 3.2 Transformers

The aggregate capacity of step-up transformers at the generating stations was 20,792.40 MVA corresponding to 1.25 kVA per kW of installed generating capacity. There were 7,310 stepdown stations with a total capacity of 45,491.2 MVA corresponding to 2.73 kVA per kW of installed capacity. As at the end of the year there were 316,828 distribution transformers with an aggregate capacity of 22,734.61 MVA.

The tables relating to transmission and distribution system are given in section 3.

## 4. UTILISATION

### 4.1 Sectorwise utilisation

Out of the 66,689 Million kWh gross energy generated 3,615.43 Million kWh was consumed in station auxiliaries. The net energy available after taking into account the purchase of 114.87 Million kWh from non-utilities. The transmission transformation and distribution losses and energy un-accounted for amounted to 12,931.12 Million kWh corresponding to 20.46% of the total energy available. The percentage losses for the previous year was 20.00.

Total energy sold during the year to the ultimate consumers, by the utilities was 50,246.38 Million kWh, an increase of 2.36% over the previous year. Most of the sales was by the Electricity Boards and the balance by private licensees, municipalities, Govt. Depts., corporations etc. The details of sales by different agencies are given below :—

Ownership	Energy sold to ultimate consumers (Million kWh)	Increase over Previous year (%)
(i) Electricity Boards . . . . .	34,134.64	3.76
(ii) Government Undertakings including D. V. C. & Govt. Depts. . . . .	3,356.00	(—)4.29
(iii) Municipalities, including D. E. S. U. . . . .	2,770.03	3.65
(iv) Private Licensees . . . . .	9,985.71	(—)0.27
<b>TOTAL . . . . .</b>	<b>50,246.38</b>	<b>2.36</b>

### 4.2 Pattern of utilisation

There were in all 19.4 million ultimate consumers at the end of the year, an increase of 7.9% over 1972-73. The percentages of sales to different categories of consumers were as follows :—

Category	No. of consumers (thousand)	Connected load MW	Energy consumed (Million kWh)	%age of total of consumption	% increase in consumption over pre-year
Domestic . . . . .	13,238	7,927.03	4,644.55	9.24	7.79
Commercial . . . . .	2,871	2,565.76	2,987.52	5.95	7.38
Industrial . . . . .	725	14,061.85	32,481.40	64.64	0.73
Public Lighting . . . . .	162	237.60	552.83	1.10	6.27
Traction . . . . .	0.04	603.77	1,530.76	3.05	(—)16.38
Agricultural . . . . .	2,391	9,494.21	6,310.21	12.56	6.63
Public Water works . . . . .	19	410.28	1,116.96	2.22	2.09
Miscellaneous . . . . .	21	308.42	622.15	1.24	59.67
<b>TOTAL . . . . .</b>	<b>19,427.04</b>	<b>35,608.92</b>	<b>50,246.38</b>	<b>100.00</b>	<b>2.36</b>

### 3 Rural Electrification

Out of the total number (5,69,577) towns and villages existing in the country 1,58,410 villages and towns have been electrified as at the end of the year. All the towns except 3 were having electrified and 27.47% villages have been electrified by the end of the year. During the year 16,057 villages were electrified. Haryana state had all its villages electrified.

### 4.4 Irrigation Pumpsets

The number of pumpsets supplied with electricity during the year was 2,56,808 bringing the total to 24,41,602 sets. The largest number of pumpsets is in Tamil Nadu. The average H. P. per pumpset was 5.2 and average annual consumption of energy per pumpset was 2,584.45 kWh.

### 4.5 Industries

As in the previous years the largest consumption was in industries. The total consumption was 38,548.87 Million kWh inclusive of self generation, the percentage increase over the previous year being 0.98%. There were 11,775 consumers taking power at high voltage. Their share of the total industrial consumption being 85.71%. The rest was taken at medium and low voltage (below 500 V). The type of industries which consumed more than one million kWh during the year were as follows :—

Category	Consumption 1972-73 (Million kWh)	Consumption 1973-74 (Million kWh)	%age increase
1. Aluminium (primary)	3,445.94	2,756.33	(+)20.02
2. Cement (Primary)	1,259.13	1,219.56	(+)3.14
3. Chemicals	1,760.03	1,544.61	(-)12.24
4. Fertilisers	2,917.93	3,114.81	6.75
5. Iron & Steel (Primary)	3,335.67	3,432.98	2.92
6. Paper	1,111.64	1,058.85	(-)4.75
7. Textiles	3,965.41	4,055.60	2.27

### 4.6 Railways

The consumption by Railways for Traction was 1,530.76 Million kWh which corresponded to decrease of 16.38% over the previous year. The aggregate installed capacity was 59.81 MW and the generation during the year was 39.63 Million kWh. This excluded Chola Power Station which has been included in the utilities.

### 4.7 Per Capita Consumption

The per capita consumption of energy including consumption through self generation rose from 96.35 kWh in 1972-73 to 97.48 kWh during the year under review. The utilisation was 15,317 kWh/sq. kilometres as compared to 15,014 kWh in the previous year. Among the states the Punjab had the highest per capita consumption of 196.51 kWh.

## 5. ACCIDENTS

The total number of reported accidents during the year was 3,452 out of which there were 1,251 human fatal accidents as compared to 1,190 reported last year. There were 449 fatal accidents to animals and 1,749 human non-fatal accidents.

## 6. PROGRESS OF ELECTRICITY SUPPLY

The progress in the matter of electricity generation and supply in India and for the different states are furnished in Section 6. These tables furnish statewise installed capacities generation from various sources, sales to different categories of consumers from 1951 to date. The tables also include similar details for the D. V. C. Central Power Projects and the Union Territory of Delhi.

## 7. FINANCIAL DATA OF PUBLIC ELECTRICITY SUPPLY UNDERTAKINGS—1972-73

## 7.1 General

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 of Electricity Supply Industry held assets worth Rs. 41,974.2 Million as against Rs. 35,781.0 Million at the end of 1971-72 covering 15,571,765 kW of installed plant capacity and a sale of 48.025 Million kWh. This takes into account the data received from 182 out of 196 undertakings owned and operated by the State Electricity Board/Government Departments, Power Corporations, Municipalities, and Private Licensees. Of the remaining undertakings, 3 companies, 3 municipality owned undertakings, Electricity Departments of the Jammu & Kashmir, Nagaland, Chandigarh, Dadra and Nagar Haveli, N. E. F. A., Tarapur etc. covers only 4.36% of the total installed plant capacity. In case of some Union Territories where 1972-73 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-wise is given below :—

	1971-72	1972-73
	(Rupees in Million)	
1. Government Boards and Corporations . . . . .	31,409.1	37,388.3
2. Municipalities . . . . .	1,271.7	1,372.5
3. Private Companies . . . . .	3,100.2	3,213.4
<b>TOTAL . . . . .</b>	<b>35,781.0</b>	<b>41,974.2</b>

The category-wise break-up of the aforesaid figure under different heads of generation, transmission, distribution etc. is also given below :—

	1971-72	1972-73
	(Rupees in Million)	
Generation . . . . .	13,796.1	17,277.9
Transmission . . . . .	6,217.8	7,111.2
Distribution . . . . .	13,667.3	15,577.5
General . . . . .	2,099.8	2,007.6
<b>TOTAL . . . . .</b>	<b>35,781.0</b>	<b>41,974.2</b>

The average cost per kW installed works-out Rs. 2,696 in 1973 as against Rs. 2,670 in 1972.

## 7.2 Financing

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

The capital account of the private companies for the year 1972-73 indicates that the equity and preference share capital as at the end of the year 1972-73 was Rs. 458.8 Million and Rs. 96.2 Million as against Rs. 458.5 Million and Rs. 97.5 Million respectively at the end of 1971-72 (Table 7.2).



### 7.3 Revenue

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

	1971-72	1972-73
(Rupees in Million)		
1. Sale of electricity		
(i) Domestic and residential . . . . .	1,013.7	1,117.4
(ii) Commercial . . . . .	617.6	698.0
(iii) Industrial . . . . .	3,184.0	3,458.9
(iv) Public Water Works & Sewage Pumping . . . . .	105.7	293.6
(v) Traction . . . . .	160.7	181.4
(vi) Public Lighting Maintenance . . . . .	119.9	191.1
(vii) Irrigation . . . . .	718.4	912.9
(viii) Other revenue . . . . .	1,751.3	2,117.9
TOTAL . . . . .	7,671.3	8,911.2

7.3.2 The total operating revenue and expenses during the year (Ownership-wise) are given below :—

A. REVENUE	1971-72	%	1972-73	%
(Rupees in Million)				
1. Government Depts./State Elec. Boards/Power Corporations	5,640.4	73.53	6,657.9	74.72
2. Municipalities . . . . .	498.2	6.49	557.2	6.25
3. Companies . . . . .	1,532.7	19.98	1,696.1	19.03
TOTAL . . . . .	7,671.3	100.00	8,911.2	100.00

B. OPERATING EXPENSES	1971-72	1972-73
(Rupees in Million)		
1. Government Depts./State Elec. Boards/Power Corps		
(i) Expenses . . . . .	3,320.1	4,038.1
(ii) Depreciation . . . . .	961.5	1,126.9
(iii) Interest Charges Paid . . . . .	1,344.4	1,524.7
TOTAL . . . . .	5,626.0	6,689.7
2. Municipalities		
(i) Expenses . . . . .	345.8	398.2
(ii) Depreciation . . . . .	31.8	33.6
(iii) Interest Charges paid . . . . .	55.2	62.3
TOTAL . . . . .	432.8	494.1
3. Companies		
(i) Expenses . . . . .	1,214.2	1,365.0
(ii) Depreciation . . . . .	90.9	91.2
(iii) Interest Charges paid . . . . .	60.6	65.1
TOTAL . . . . .	1,365.7	1,521.3
GRAND TOTAL (1+2+3) . . . . .	7,424.5	8,705.1

### 7.4 Revenue per kwh sold under each category

The average overall revenue by sale of electricity (excluding miscellaneous revenue) for the year 1972-73 was 14.15 paise per unit. Table 7.6 gives the revenue realised by each category of consumers for the electricity supply industry as a whole.

### 5 Tentative Financial results of the Government Departments, State Electricity Boards, Municipalities, Companies, etc.—1973-74

A few broad particulars of the tentative financial results of operation of the Government Departments, State Electricity Boards, Municipalities, Companies, etc. for the year 1973-74 are summarised below :—

(Rupees in Million)

	State Elec. Boards/Deptts. /Power Cor- porations	Municipalities	Private Companies	Total
1. Total Capital fixed assets in use . . . . .	39,433.0	1,554.0	3,113.0	44,100.0
2. Gross Operating revenue . . . . .	7,082.4	625.0	1,812.0	9,519.4
3. Total operating expenses including depreciations and interest charges paid . . . . .	7,367.6	584.0	1,651.0	9,602.6
Surplus/Deficit . . . . .	(-)-285.2	(+)-41.0	(+)-161.0	(-)-88.4

### 8. ELECTRICITY TARIFFS

#### 8.1 General

Table No. 8 shows the average rates of electricity as on 31-3-74 with duties applicable in different state electricity boards/public electric department/major licensees of the country for some typical categories of consumption. During the year 1973 and upto March, 1974 several changes in electricity tariff were made effective in the country. The State Elec. Board of Gujarat and Himachal Pradesh revised their tariff w. e. f. 1-3-73 and 29-11-73 respectively. The major licensees such as Ahmedabad and CESC revised their tariff w. e. f. 4-2-74, 26-1-74 & 26-1-74 respectively.

#### 8.2 Average Rates

The average rates for domestic lights & fans vary from 1433 kwh in Gujarat (diesel rate in Orissa and Rajasthan are excluded). Similarly the minimum and maximum rates in other categories in different State Elec. Board were given below :—

Sl. No.	Category	Minimum		Maximum	
		Rate P/kWh	State Elec. Board	Rate P/kWh	State Elec. Board
1	Commercial Light & Fan . . . . .	13.44	Punjab	51.75	Tamil Nadu
2	Agricultural 10 HP 15% LF (817 kWh/ month) . . . . .	9.00	Himachal Pradesh	21.67	Uttar Pradesh
3	Small Industry 10 KW 20% LF (1460 kWh/ month) . . . . .	7.67	Kashmir	20.70	Tamil Nadu
4	Large Industry 100 KW 50% LF (36,000 kWh/month) . . . . .	3.79	Kashmir	18.61	Tamil Nadu

(The diesel rates of Orissa and Rajasthan were excluded).

**TECHNICAL STATISTICS**  
**SECTION I**  
**SALIENT FEATURES OF ELECTRICITY SUPPLY INDUSTRY**

TABLE NO. 1.1

## Generating Capacity &amp; Aggregate Maximum Demand

Year	31-12-50 @@	31-12-55 @@	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>1. GENERATING CAPACITY (MW)</b>							
(a) Utilities :							
Hydro . . . . .	559.29	939.48	1,916.66	4,123.75	5,906.91	6,785.41	6,965.30
Steam . . . . .	1,004.43	1,546.81	2,436.26	4,417.11	6,640.34	8,467.98	8,651.76
Diesel . . . . .	148.80	208.53	300.14	352.16	276.02	230.32	241.00
Gas Turbine . . . . .	..	..	..	134.00	134.00	178.00	165.50
Nuclear . . . . .	..	..	..	..	..	620.00	640.00
<b>TOTAL . . . . .</b>	<b>1,712.52</b>	<b>2,694.82</b>	<b>4,653.06</b>	<b>9,027.02</b>	<b>12,957.27</b>	<b>16,281.71</b>	<b>16,663.56</b>
(b) Non-Utilities :							
(i) Self generating Industry . . . . .	587.85	723.51	1,001.37	1,082.36	1,277.47	1,652.77	1,732.70
(ii) Railways . . . . .	..	..	..	63.64	61.93	55.56	59.81
<b>TOTAL . . . . .</b>	<b>587.85</b>	<b>723.51</b>	<b>1,001.37</b>	<b>1,146.00</b>	<b>1,339.40</b>	<b>1,708.33</b>	<b>1,792.51</b>
<b>ALL INDIA GRAND TOTAL . . . . .</b>	<b>2,300.37</b>	<b>3,418.33</b>	<b>5,654.43</b>	<b>10,173.02</b>	<b>14,296.67</b>	<b>17,990.04</b>	<b>18,456.07</b>
<b>2. AGGREGATE MAXIMUM DEMAND (M.W.)</b>	<b>1,205.19</b>	<b>1,989.77</b>	<b>3,545.93</b>	<b>7,306.23</b>	<b>10,871.06</b>	<b>13,865.76</b>	<b>14,478.71</b>

@@Nearest dates to beginning of First &amp; Second Plans for which data available.

TABLE NO. 1.2

## Generation— All India &amp; Per Capita

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>(i) GENERATION (GROSS) (Million kWh)</b>							
(a) Utilities							
Hydro . . . . .	2,859.70	4,294.88	7,836.6	15,224.97	20,722.7	27,195.95	28,971.84
Steam . . . . .	2,779.05	5,133.90	8,732.4	17,372.18	26,393.1	35,614.12	34,853.08
Diesel . . . . .	219.65	233.36	368.0	323.68	193.5	144.65	124.61
Gas Turbine . . . . .	..	..	..	69.30	123.4	458.54	343.14
Nuclear . . . . .	..	..	..	..	..	1,132.74	2,396.36
<b>TOTAL . . . . .</b>	<b>5,858.40</b>	<b>9,662.14</b>	<b>16,937.0</b>	<b>32,990.13</b>	<b>47,433.3</b>	<b>64,546.00</b>	<b>66,689.03</b>
(b) Non-Utilities :							
(i) Self generating Industry . . . . .	1,655.57	2,209.51	3,186.10	3,733.19	4,136.1	5,931.75	6,067.47
(ii) Railways . . . . .	..	..	..	101.94	72.1	37.85	39.63
<b>TOTAL . . . . .</b>	<b>1,655.57</b>	<b>2,209.51</b>	<b>3,186.10</b>	<b>3,835.13</b>	<b>4,208.2</b>	<b>5,969.60</b>	<b>6,107.10</b>
<b>ALL INDIA GRAND TOTAL . . . . .</b>	<b>7,513.97</b>	<b>11,871.65</b>	<b>20,123.10</b>	<b>36,825.26</b>	<b>51,641.50</b>	<b>70,515.60</b>	<b>72,796.13</b>
<b>(ii) PER CAPITA GENERATION KWH UTILITIES &amp; NON-UTILITIES</b>	<b>20.8</b>	<b>30.9</b>	<b>43.9</b>	<b>73.81</b>	<b>97.82</b>	<b>124.84</b>	<b>126.26</b>

TABLE No. 1.3  
Fuel Consumption

Year	1951	1956	1960-61	1965-67	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>FUEL CONSUMPTION</b>							
<b>(a) In steam power stations :</b>							
(i) Coal (Tonnes)	2,478,200	4,067,353	6,699,590	10,273,634	13,807,758	18,666,237	18,306,348
(ii) Lignite (Tonnes)	..	..	..	2,184,106	2,730,000	2,391,000	2,875,000
(iii) Wood (Tonnes)	..	..	..	14,196	22,106	11,832	11,707
(iv) Furnance oil (K. Litres)	..	..	..	422,848	11,25,303	1,721,699	17,62,164
<b>(b) Diesel power stations—</b>							
(v) Diesel Oil (K. Litres)	85,181	83,124	122,052	185,878	68,677	61,741	47,058

TABLE No. 1.4

Authorised Public Electricity Supply Undertakings\*

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>(a) Public Sector :</b>							
(i) Generating & Distributing	..	..	..	..	17	13	15
(ii) Generating, Purchasing & Distributing	269	69	74	80	32	29	29
(iii) Purchasing & Distributing	..	..	..	..	32	37	33
<b>SUB-TOTAL (a)</b>	<b>269</b>	<b>69</b>	<b>74</b>	<b>80</b>	<b>81</b>	<b>79</b>	<b>77</b>
<b>(b) Private Sector :</b>							
(i) Generating & Distributing	..	..	..	..	9	4	3
(ii) Generating, Purchasing and Distributing	316	301	263	180	35	24	21
(iii) Purchasing and Distributing	..	..	..	..	109	89	71
<b>SUB-TOTAL (b)</b>	<b>316</b>	<b>301</b>	<b>263</b>	<b>180</b>	<b>153</b>	<b>117</b>	<b>95</b>
<b>GRAND TOTAL</b>	<b>585</b>	<b>370</b>	<b>337</b>	<b>260</b>	<b>234</b>	<b>196</b>	<b>172</b>

\* The figures have been changed from 1965-66 and onwards by treating the State Electricity Board and Government Electricity Departments in the same state as two separate Undertakings.

TABLE NO. 1.5  
Transmission & Distribution Lines & Transformers

Year as on	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3,74
1	2	3	4	5	6	7	8
(i) TRANSMISSION AND DISTRIBUTION LINES (CIRCUIT KILOMETERS)							
(a) 220 kV/230 kV			1,099	3,772	10,225	12,721	13,932
(b) 132/110 kV	2,708	7,376	12,802	24,718	34,056	44,682	45,041
(c) 78/66 kV	5,562	7,798	12,805	17,544	21,239	23,870	24,252
(d) 44/33/22 kV	6,891	12,047	29,154	59,043	82,449	114,920	115,890
(e) 15/11/6.6/3.3/2.2 kV	14,110	39,200	102,027	185,969	268,951	450,555	480,181
(f) Less than 500V.	N.A.	N.A.	N.A.	250,658	419,387	771,616	839,588
(ii) TRANSFORMERS							
(a) Step up							
Numbers of Trans- formers	332	621	824	952	1,155	1,107	1,548
Aggregate capacity MVA	972.81	1,681.92	4,644.33	9,514.00	14,749.44	19,822.83	20,792.40
(b) Step down (Secondary above 500 V)							
Numbers of Transformers	669	1,107	2,106	3,530	4,871	7,001	7,310
Aggregate capacity MVA	1,366.76	2,729.03	7,400.38	16,269.15	27,999.00	45,195.67	45,491.21
(c) Distribution (Secondary 500 v. & below)							
Numbers of Transformers	10,767	19,740	57,314	92,728	173,910	293,556	304,428
Aggregate capacity MVA.	834.37	1,654.15	3,726.93	7,010.42	12,021.6	25,281.34	22,734.61
(d) GRAND TOTAL							
Nos. of Transformers	11,768	21,468	61,244	97,210	179,936	30,64	313,286
Aggregate capacity MVA.	3,173.94	6,065.10	15,771.64	32,793.57	54,770.06	90,299.84	89,018.22

TABLE NO. 1.6  
Consumers (in thousands) and connected Load (in M.W.)

Category	31-12-51**	31-12-56**	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
(i) Domestic							
(a) Consumers	1,157	1,930	3,667	8,379	8,388	12,262	13,238
(b) Connected Load	733.86	1,225.68	2,234.79	3,689.45	4,803.08	7,213.91	7,927.03
(ii) Commercial :							
(a) Consumers	259	430	672	1,409	1,931	2,794	2,871
(b) Connected Load	401.30	365.68	526.07	1,022.75	1,975.16	2,399.10	2,565.76
(iii) 1. Industrial Power upto 650 volts including W.W. & S.P. :							
(a) Consumers	..	..	..	..	461	655	733
(b) Connected Load	..	..	..	..	3,944.99	5,966.83	5,968.32
2. Industrial Power above 650 volts including railway :							
(a) Consumers	63£	99£	179£	330£	10	11	12
(b) Connected Load	1,561.68@	2,455.39@	4,561.92@	6,749.09@	6,421.64	7,794.47	9,107.58
(iv) Public Lighting :							
(a) Consumers	2	3	15	51	52	115	162
(b) Connected Load	20.67	33.26	76.16	104.52	146.26	224.65	237.60
(v) Agriculture (Pumping)							
(a) Consumers	20	47	196	509	1,078	2,149	2,391
(b) Connected Load	117.56	242.60	826.53	2,037.35	4,219.56	8,385.86	9,494.21
(vi) Miscellaneous :							
(a) Consumers	*	*	*	*	16	16	21
(b) Connected Load	*	*	*	*	549.46	269.69	308.42
(vii) TOTALS							
(a) Consumers	1,501	2,509	4,729	8,678	11,936	18,002	19,428
(b) Connected Load	2,835.07	4,322.61	8,225.47	13,603.16	22,060.15	32,254.51	35,608.92

NOTES : £—Includes figures for item No. iii(1)a, @Includes figures for item No. iii(1)b.

\*Included in Commercial, \*\*Nearest available data for beginning of first & Second Plan.

W.W. & S.P.—Water Works and Sewage Pumping.

TABLE NO. 1.7

Consumption Auxiliaries, Transmission, Distribution and Other Losses &amp; per capita

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
(i) Gross Generation (Utilities) M.kWh	5,858.40	9,662.14	16,937.00	32,990.13	47,433.30	64,546.00	66,689.03
(ii) Energy used by power station auxiliaries (M. kWh)	218.32	386.45	721.86	1,647.46	2,532.14	3,397.94	3,615.43
(iii) Generation (Utilities) (Net) (M. kWh)	5,640.08	9,275.69	16,215.14	31,342.67	44,901.16	61,148.06	63,073.60
(iv) Energy purchased from non-utilities (M. kWh)	17.74	18.64	223.04	12.92	96.29	177.85	114.86
(v) Sales (M. kWh) :							
(a) Domestic light and small power	594.08	934.12	1,492.29	2,355.14	3,184.19	4,309.01	4,644.55
(b) Commercial light and small power	330.02	545.85	847.74	1,650.07	2,215.74	2,852.07	2,987.52
(c) Industrial :							
(i) Upto 650 volts	575.26	931.81	1,641.12	2,709.81	3,452.50	4,545.92	4,640.77
(ii) Above 650 volts	2,483.63	4,391.59	8,055.28	16,166.08	22,438.73	27,698.29	27,840.63
(d) Public lighting	67.60	117.77	193.24	279.57	372.09	520.20	552.83
(e) Railways/Tramways	329.59	404.93	453.92	1,057.28	1,246.58	1,760.69	1,530.76
(f) Agricultural	203.05	316.18	832.92	1,891.84	3,465.54	5,918.10	6,310.21
(g) Public Water Works and sewage pumping	210.12	317.08	436.19	625.16	837.17	1,094.14	1,116.96
(h) Miscellaneous	*	*	*	*	229.81	389.64	622.15
<b>TOTAL</b>	<b>4,793.36</b>	<b>7,959.36</b>	<b>13,952.72</b>	<b>26,734.95</b>	<b>37,352.39</b>	<b>49,088.06</b>	<b>50,246.38</b>
Per capita consumption (kWh) Utilities & non-utilities	17.8	26.4	38.2	61.3	77.88	96.35	97.48
(vi) Energy lost in transformation, Transmission, distribution and unaccounted for							
(i) M. kWh	864.48	1,334.98	2,485.47	4,585.18	7,214.51	12,230.02	12,931.12
(ii) %	N.A.	N.A.	N.A.	14.31	17.00	19.94	20.46
Towns and Villages Electrified							
(i) Villages	3,061	7,294	21,750	45,144	73,722	139,571	156,270
(ii) Towns	1,014	1,534	2,230	2,642	2,677	2,695	2,695

\*Included in commercial.

**TECHNICAL STATISTICS**

**SECTION 2**

**INSTALLED PLANT CAPACITY AND GENERATION AS ON 31-3-1974**

**SUB-SECTION 2.1—UTILITIES**

**SUB-SECTION 2.2—SELECTED INDUSTRIES (INCLUDING RAILWAYS)**



TABLE No. 2.1.1

Installed Plant Capacity (As on 31-3-74) and Generation by Type of Plant and Ownership During 1973-74.  
(Utilities)

Sl. No.	Type of Plant and Ownership	Installed Plant capacity (MW)	Percentage of total	Generation (Million kwh)	Percentage of total gross generation
				Gross	
1	2	3	4	5	6
I.	<b>HYDRO</b>				
	<i>Public Sector :</i>				
	(a) State Elec. Boards . . . . .	5,509.09	33.06	22,076.84	33.11
	(b) Elec. Department/Govt. Undertakings/D.V.C. . . . .	1,172.59	7.04	5,672.68	8.51
	(c) Municipalities . . . . .	6.11	0.04	12.91	0.02
	<b>SUB-TOTAL . . . . .</b>	<b>6,687.79</b>	<b>40.14</b>	<b>27,762.43</b>	<b>41.64</b>
	<i>Private Sector :</i>				
	Companies . . . . .	277.51	1.67	1,209.41	1.82
	<b>TOTAL (I) . . . . .</b>	<b>6,965.30</b>	<b>41.81</b>	<b>28,971.84</b>	<b>43.46</b>
II.	<b>STEAM</b>				
	<i>Public Sector :</i>				
	(a) State Elec. Boards . . . . .	5,206.81	31.24	21,959.79	32.93
	(b) Elec. Department/Govt. Undertakings/D.V.C. . . . .	2,049.60	12.30	6,901.66	10.35
	(c) Municipalities . . . . .	276.20	1.66	1,204.38	1.81
	<b>SUB-TOTAL . . . . .</b>	<b>7,532.61</b>	<b>45.20</b>	<b>30,065.83</b>	<b>45.09</b>
	<i>Private Sector :</i>				
	Companies . . . . .	1,119.15	6.72	4,787.25	7.18
	<b>TOTAL (II) . . . . .</b>	<b>8,651.76</b>	<b>51.92</b>	<b>34,853.08</b>	<b>52.27</b>
III.	<b>DIESEL</b>				
	<i>Public Sector :</i>				
	(a) State Elec. Boards . . . . .	181.44	1.09	72.48	0.11
	(b) Elec. Department/Govt. Undertakings/D.V.C. . . . .	19.30	0.11	24.75	0.04
	(c) Municipalities . . . . .	26.61	0.16	18.22	..
	<b>SUB-TOTAL . . . . .</b>	<b>227.35</b>	<b>1.36</b>	<b>115.45</b>	<b>0.15</b>
	<i>Private Sector :</i>				
	Companies . . . . .	13.65	0.08	9.16	0.01
	<b>TOTAL (III) . . . . .</b>	<b>241.00</b>	<b>1.44</b>	<b>124.61</b>	<b>0.16</b>
IV.	<b>GAS TURBINE</b>				
	<i>Public Sector :</i>				
	(a) State Elec. Boards . . . . .	165.50	0.99	343.14	0.52
	(b) Elec. Departments/Govt. Undertakings/D.V.C. . . . .	..	..	..	..
	(c) Municipalities . . . . .	..	..	..	..
	<b>SUB-TOTAL . . . . .</b>	<b>165.50</b>	<b>0.99</b>	<b>343.14</b>	<b>0.52</b>
	<i>Private Sector :</i>				
	Companies . . . . .	..	..	..	..
	<b>TOTAL (IV) . . . . .</b>	<b>165.50</b>	<b>0.99</b>	<b>343.14</b>	<b>0.52</b>
V.	<b>NUCLEAR</b>				
	<i>Public Sector :</i>				
	(a) State Elec. Boards . . . . .	640.00	3.84	2,396.36	3.59
	(b) Elec. Departments/Govt. Undertakings/D.V.C. . . . .	..	..	..	..
	(c) Municipalities . . . . .	..	..	..	..
	<b>SUB-TOTAL . . . . .</b>	<b>640.00</b>	<b>3.84</b>	<b>2,396.36</b>	<b>3.59</b>
	<i>Private Sector :</i>				
	Companies . . . . .	..	..	..	..
	<b>TOTAL (V) . . . . .</b>	<b>640.00</b>	<b>3.84</b>	<b>2,396.36</b>	<b>3.59</b>
	<b>GRAND TOTAL (I+II+III+IV+V).</b>	<b>16,663.56</b>	<b>100.00</b>	<b>66,689.03</b>	<b>100.00</b>

TABLE No. 2.1.2

Statewise installed Hydro Plant Capacity and Gross Generation by ownership (Utilities)@

Sl. No.	State/Power Corporation	PUBLIC SECTOR						PRIVATE SECTOR		TOTAL	
		State Elec. Boards		Elec. Deptt./Govt. Undertakings/Corps		Municipalities		Companies		Installed Plant capacity (M.W.)	Energy generated (M. kwh)
		Installed Plant Capacity (M.W.)	Energy generated (M. kwh)	Installed Plant capacity (M.W.)	Energy generated (M. kWh)	Installed Plant Capacity (M.W.)	Energy generated M. kwh	Installed Plant Capacity (M.W.)	Energy generated Million (Kwh)		
1	2	3	4	5	6	7	8	9	10	11	
1	Andhra Pradesh	130.00	483.92	137.93	610.06	..	..	..	..	267.93	1,093.98
2	Assam	65.20	193.08	..	..	..	..	1.51	5.41	66.71	198.49
3	Bihar	..	..	15.00	4.59	..	..	..	..	15.00	4.59
4	Gujarat	..	..	..	..	..	..	..	..	..	..
5	Haryana	408.47	1,970.60	..	..	..	..	..	..	408.47	1,970.60
6	Himachal Pradesh	48.97	173.11	..	..	..	..	..	..	48.97	173.11
7	Jammu & Kashmir	51.72	206.20	..	..	..	..	..	..	51.72	206.20
8	Karnataka	206.20	447.47	760.40	4,131.01	..	..	..	..	966.60	4,578.48
9	Kerala	621.50	2,560.78	..	..	..	..	..	..	621.50	2,560.78
10	Madhya Pradesh	193.00	710.22	..	..	..	..	..	..	193.00	710.22
11	Maharashtra	568.32	3,471.42	..	..	..	..	276.90	1,204.00	844.32	4,675.42
12	Manipur	..	..	0.60	1.64	..	..	..	..	0.60	1.64
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	270.00	1,019.48	154.42	571.66	..	..	..	..	424.42	1,591.14
15	Punjab	708.70	3,488.74	..	..	..	..	..	..	708.70	3,488.74
16	Rajasthan	376.33	1,594.64	..	..	..	..	..	..	376.33	1,594.64
17	Tamil Nadu	1,224.00	3,696.94	..	..	..	..	..	..	1,224.00	3,696.94
18	Tripura	..	..	..	..	..	..	..	..	..	..
19	Uttar Pradesh	602.13	1,976.04	..	..	4.15	10.60	..	..	606.28	1,986.64
20	West Bengal	34.55	84.20	..	..	1.96	2.31	..	..	36.51	86.51
21	D.V.C.	..	..	104.00	353.36	..	..	..	..	104.00	353.36
22	Central Govt. Projects	..	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>										
	(a) Delhi	..	..	..	..	..	..	..	..	..	..
	(b) Chandigarh	..	..	..	..	..	..	..	..	..	..
	(c) A&N Islands	..	..	..	..	..	..	..	..	..	..
	(d) D&N Haveli	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..
	(f) Lakshadweep	..	..	..	..	..	..	..	..	..	..
	(g) Arunachal Pradesh	..	..	0.24	0.36	..	..	..	..	0.24	0.36
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL (ALL-INDIA)</b>	<b>5,509.09</b>	<b>22,076.84</b>	<b>1,172.59</b>	<b>5,672.68</b>	<b>6.11</b>	<b>12.91</b>	<b>277.51</b>	<b>1,209.41</b>	<b>6,965.30</b>	<b>28,971.84</b>

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

TABLE NO. 2.1.3.

## Statewise installed Steam Plant Capacity @ and gross generation by ownership [Utilities]

Sl. No.	State/Power Stations	PUBLIC SECTOR				PRIVATE SECTOR				TOTAL	
		State Elec. Board		Elec. Depts./Govt. Undertakings/Corpn.		Municipalities		Companies		Installed Plant Capacity (M.W.)	Energy Generated@ (M.kWh)
		Installed Plant Capacity (M.W.)	Energy Generated@ (M.kWh)	Installed Plant Capacity (M.W.)	Energy Generated (M.kWh)	Installed Plant Capacity (M.W.)	Energy Generate (M.kWh)	Installed Plant Capacity (M.W.)	Energy Generated@ (M.kWh)		
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	382.50	2,192.06	..	..	..	..	..	..	382.50	2,192.06
2	Assam	35.00	45.08	..	..	..	..	..	..	35.00	45.08
3	Bihar	558.50	1,924.32	..	..	..	..	14.27	55.79	572.77	1,980.11
4	Gujarat	650.50	3,284.44	..	..	..	..	232.50	1,326.29	883.00	4,610.73
5	Haryana	90.60	449.44	..	..	..	..	..	..	90.60	449.44
6	Himachal Pradesh	..	..	..	..	..	..	..	..	..	..
7	Jammu & Kashmir	22.50	11.26	..	..	..	..	..	..	22.50	11.26
8	Karnataka	..	..	..	..	..	..	..	..	..	..
9	Kerala	..	..	..	..	..	..	..	..	..	..
10	Madhya Pradesh	564.50	2,547.89	..	..	..	..	17.50	9.67	582.00	2,557.56
11	Maharashtra	637.50	3,563.94	..	..	..	..	337.50	1,583.00	975.00	5,146.94
12	Manipur	..	..	..	..	..	..	..	..	..	..
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	258.25	550.06	..	..	..	..	..	..	258.25	550.06
15	Punjab	5.00	8.72	..	..	..	..	..	..	5.00	8.72
16	Rajasthan	163.00	547.01	..	..	..	..	..	..	163.00	547.01
17	Tamil Nadu	430.00	1,170.96	..	..	..	..	..	..	430.00	1,170.96
18	Tripura	..	..	..	..	..	..	..	..	..	..
19	Uttar Pradesh	913.40	3,836.29	..	..	..	..	19.00	56.51	932.40	3,892.80
20	West Bengal	495.56	1,828.32	285.00	829.28	..	..	498.38	1,755.99	1,278.94	4,413.59
21	D.V.C.	..	..	957.50	3,427.69	..	..	..	..	957.50	3,427.69
22	Central Projects	..	..	806.00	2,643.71	..	..	..	..	806.00	2,643.71
<i>Union Territories</i>											
(a)	Delhi	..	..	..	..	276.20	1,204.38	..	..	276.20	1,204.38
(b)	Chandigarh	..	..	..	..	..	..	..	..	..	..
(c)	A. & N. Islands	..	..	1.10	0.98	..	..	..	..	1.10	0.98
(d)	Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..
(e)	Lakshdweep	..	..	..	..	..	..	..	..	..	..
(f)	Arunachal Pradesh	..	..	..	..	..	..	..	..	..	..
(g)	Pondicherry	..	..	..	..	..	..	..	..	..	..
(h)	Dadra Nagar Haveli	..	..	..	..	..	..	..	..	..	..
<b>TOTAL</b>		<b>5,206.81</b>	<b>21,959.79</b>	<b>2,049.60</b>	<b>6,901.66</b>	<b>276.20</b>	<b>1,204.38</b>	<b>1,119.15</b>	<b>4,787.25</b>	<b>8,651.76</b>	<b>34,853.08</b>

@The Installed Capacity and Generation of jointly owned projects has been shown divided between the partner states as per their theoretical shares.

TABLE NO. 2.1-4

Installed diesel &amp; gas plant capacity and gross generation by ownership [Utilities]

Sl No.	State/Power Corporation	PUBLIC SECTOR						PUBLIC SECTOR		TOTAL	
		State Elec. Boards		Elec. Depts./Govt. Undertakings/Corpn.		Municipalities		Companies		Installed Plant Capacity @ (M.W.)	Energy Generated @ (M.kWh)
		Installed Plant Capacity @ (M.W.)	Energy Generated @ (M. kWh)	Installed Plant Capacity (M.W.)	Energy Generated (M. kWh)	Installed Plant Capacity (M.W.)	Energy Generated @ (M. kWh)	Installed Plant Capacity @ (M.W.)	Energy Generated @ (M.kWh)		
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	20.06 <sup>1</sup>	4.04	..	..	..	..	..	..	20.00	4.04
2	Assam	95.24 <sup>2</sup>	279.95	..	..	..	..	..	..	95.24	279.95
3	Bihar	13.45	2.25	..	..	..	..	..	..	16.52	5.62
4	Gujarat	64.02 <sup>3</sup>	65.28	..	..	..	..	3.07	3.37	67.09	68.65
5	Haryana	4.99	0.49	..	..	1.10	0.12	5.48	1.50	70.63	65.90
6	Himachal Pradesh	2.45	0.10	..	..	..	..	..	..	4.99	0.49
7	Jammu & Kashmir	7.92	7.29	..	..	..	..	..	..	2.45	0.10
8	Karnataka	..	..	..	..	..	..	..	..	7.92	7.29
9	Kerala	3.20	0.08	..	..	..	..	..	..	..	..
10	Madhya Pradesh	1.32	0.09	..	..	..	..	..	..	3.20	0.08
11	Maharashtra	2.56	0.43	..	..	..	..	0.20	..	1.52	0.09
12	Madipur	..	..	5.24	11.42	..	..	0.07	0.4	2.63	0.57
13	Nagaland	..	..	2.03	0.32	..	..	..	..	5.24	11.42
14	Orissa	1.05	0.43	..	..	..	..	..	..	2.03	0.32
15	Punjab	56.98	30.24	..	..	..	..	..	..	1.05	0.43
16	Rajasthan	41.38 <sup>4</sup>	7.31	..	..	..	..	..	..	56.98	30.24
17	Tamil Nadu	..	..	..	..	0.37	..	2.34	4.14	44.09	11.45
18	Tripura	..	..	5.15	5.10	..	..	..	..	..	..
19	Uttar Pradesh	15.49 <sup>5</sup>	9.12	..	..	3.22	0.61	0.45	0.01	5.15	5.10
20	West Bengal	16.89	8.52	..	..	1.12	0.19	..	..	19.16	9.74
21	D. V. C.	..	..	..	..	..	..	..	..	18.01	88.71
22	Central Govt. Projects	..	..	..	..	..	..	..	..	..	..
<i>Union Territories</i>											
(a)	Delhi	..	..	..	..	20.80	17.30	..	..	20.80	17.30
(b)	Chandigarh	..	..	2.48	0.35	..	..	..	..	2.48	0.35
(c)	A. & N. Islands	..	..	2.01	4.74	..	..	..	..	2.01	4.74
(d)	Dadra Nagar Haveli	..	..	..	..	..	..	..	..	..	..
(e)	Goa Daman & Diu	..	..	..	..	..	..	2.04	..	2.04	..

(f) Lakshdweep (R)	..	..	0.61	0.37	..	..	..	..	0.61	0.37
(g) Arunachal Pradesh	..	..	1.78	2.45	..	..	..	..	1.78	2.45
(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
<b>TOTAL</b>	<b>346.94</b>	<b>415.62</b>	<b>19.30</b>	<b>24.75</b>	<b>26.61</b>	<b>18.22</b>	<b>13.65</b>	<b>9.16</b>	<b>406.50</b>	<b>467.75</b>

1—The figures pertains to Gas Turbine.

2—Includes 69.00 MW Capacity of Gas Turbine \$ 267.29 M.kwh Generation therefrom.

3—Includes 54.00 M.W. capacity of Gas Turbine \$ 63.83 M.kwh generation therefrom.

4—Includes 10.00 M.W. Capacity of Gas Turbine & nil generation therefrom.

5—Includes 12.50 M.W. capacity of gas turbine \$ 7.98 M.kwh generation therefrom.

(R)—Data for last year repeated due to non availability of 1973-74 year Data.

TABLE No. 2.1.5

## Statewise installed Capacity @ Generation Sectorwise Utilities

Sl. No.	Name of State/Corporation	PUBLIC SECTOR							
		State Electricity Board				Electricity Department/Govt.		Undertakings/Corporations	
		No. of undertakings	Installed Capacity (MW)	Energy generated Gross (M. kWh)	Energy Generated Net (M. kWh)	No. of Undertakings	Installed Plant Capacity (M. W.)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	1	532.50	2,680.02	2,504.32	2	137.93	610.0	608.11
2	Assam	1	195.44	518.11	505.30	..	..	..	..
3	Bihar	1	571.95	1,926.57	1,702.63	1	15.00	4.59	4.38
4	Gujarat	1	714.52	3,349.72	3,081.88	..	..	..	..
5	Haryana	1	504.06	2,420.53	2,378.01	..	..	..	..
6	Himachal Pradesh	1	51.42	173.21	172.28	..	..	..	..
7	Jammu & Kashmir	1	82.14	224.75	223.25	..	..	..	..
8	Karnataka	1	206.20	447.47	441.97	1	760.40	4,131.01	4,121.69
9	Kerala	1	624.70	2,560.86	2,537.57	..	..	..	..
10	Madhya Pradesh	1	758.82	3,258.20	3,012.72	..	..	..	..
11	Maharashtra	1	1,208.38	7,035.79	6,727.28	..	..	..	..
12	Manipur	..	..	..	..	1	5.84	13.06	12.09
13	Nagaland	..	..	..	..	1	..	2.03	0.29
14	Orissa	1	529.30	1,569.97	1,502.21	1	154.42	571.66	569.18
15	Punjab	1	770.68	3,527.70	3,516.81	..	..	..	..
16	Rajasthan	1	580.71	2,148.96	2,095.51	..	..	..	..
17	Tamil Nadu	1	1,654.00	4,867.90	4,705.17	..	..	..	..
18	Tripura	..	..	..	..	1	5.15	5.10	4.35
19	Uttar Pradesh	1	1,531.02	5,821.45	5,452.67	..	..	..	..
20	West Bengal	1	547.00	1,921.04	1,772.04	1	285.00	829.28	735.29
21	D. V. C.	..	..	..	..	1	1,061.50	3,781.05	3,379.36
22	Central Govt. Projects	..	..	..	..	6	1,446.00	5,040.07	4,498.09
<i>Union Territories</i>									
	(a) Delhi	..	..	..	..	..	..	..	..
	(b) A & N Islands	..	..	..	..	1	3.11	5.72	5.37
	(c) Chandigarh	..	..	..	..	1	2.48	0.35	0.35
	(d) Dadra & Nagar Haveli	..	..	..	..	1	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	1	..	..	..
	(f) Lakshadweep (R)	..	..	..	..	1	0.51	0.37	0.36
	(g) Arunachal Pradesh	..	..	..	..	1	2.02	2.81	2.50
	(h) Pondicherry	..	..	..	..	1	..	..	..
	<b>TOTAL (ALL INDIA)</b>	<b>17</b>	<b>11,062.84</b>	<b>44,452.25</b>	<b>42,331.62</b>	<b>23</b>	<b>3,881.49</b>	<b>14,995.45</b>	<b>13,941.41</b>

(R)—Data, repeated.

Note :—@The Installed Capacity, Generation (Gross &amp; Net) of jointly owned projects are divided between the partner States as per their respective (theoretical) shares.

TABLE No. 2.1.5. (Contd.)

Sl. No.	Name of State/ Corporation	PUBLIC SECTOR				PRIVATE SECTOR				TOTAL			
		Municipalities				Companies				No. of Undertakings	Installed Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)
		No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)	No. of Undertakings	Installed Plant Capacity (MW)	Energy Generated Gross (Million kWh)	Energy Generated Net (Million kWh)				
1	2	11	12	13	14	15	16	17	18	19	20	21	22
1	Andhra Pradesh . . . . .	..	..	..	..	1	..	..	..	4	670.43	3,290.08	3,112.43
2	Assam . . . . .	..	..	..	..	1	1.51	5.41	5.38	2	196.95	523.52	510.68
3	Bihar . . . . .	..	..	..	..	8	17.34	59.16	54.03	10	604.29	1,990.32	1,761.04
4	Gujarat . . . . .	9	1.10	0.12	0.10	14	237.98	1,327.79	1,248.09	24	953.60	4,677.63	4,330.07
5	Haryana . . . . .	..	..	..	..	..	..	..	..	1	504.06	2,420.53	2,378.01
6	Himachal Pradesh . . . . .	..	..	..	..	..	..	..	..	1	51.42	173.21	172.28
7	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	1	82.14	224.75	223.25
8	Karnataka . . . . .	..	..	..	..	8	..	..	..	10	966.60	4,578.48	4,563.66
9	Kerala . . . . .	1	..	..	..	3	..	..	..	5	624.70	2,560.86	2,537.57
10	Madhya Pradesh . . . . .	..	..	..	..	3	17.70	9.67	8.32	4	776.52	3,267.87	3,021.04
11	Maharashtra . . . . .	5	..	..	..	23	613.57	2,787.14	2,672.14	29	1,821.95	9,822.93	9,399.42
12	Manipur . . . . .	..	..	..	..	..	..	..	..	1	5.84	13.06	12.09
13	Nagaland . . . . .	..	..	..	..	..	..	..	..	1	2.03	0.32	0.29
14	Orissa . . . . .	..	..	..	..	..	..	..	..	2	683.72	2,141.63	2,071.39
15	Punjab . . . . .	1	..	..	..	1	..	..	..	3	770.68	3,527.70	3,516.81
16	Rajasthan . . . . .	1	0.37	..	..	3	2.34	4.14	3.94	5	583.42	2,153.10	2,099.45
17	Tamil Nadu . . . . .	5	..	..	..	..	..	..	..	6	1,654.00	4,867.90	4,705.17
18	Tripura . . . . .	..	..	..	..	..	..	..	..	1	5.15	5.10	4.35
19	Uttar Pradesh . . . . .	12	7.37	11.21	11.13	15	19.45	56.52	51.21	28	1,557.84	5,889.18	5,515.01
20	West Bengal . . . . .	1	3.08	2.50	2.50	14	498.38	1,755.99	1,629.78	17	1,333.46	4,508.81	4,139.61
21	D. V. C. . . . .	..	..	..	..	..	..	..	..	1	1,061.50	3,781.05	3,379.36
22	Central Govt. Projects . . . . .	..	..	..	..	..	..	..	..	6	1,446.00	5,040.07	4,498.09
	<i>Union Territories</i>												
	(a) Delhi . . . . .	2	297.00	1,221.68	1,113.95	..	..	..	..	2	297.00	1,221.68	1,113.95
	(b) A & N Islands . . . . .	..	..	..	..	..	..	..	..	1	3.11	5.72	5.37
	(c) Chandigarh . . . . .	..	..	..	..	..	..	..	..	1	2.48	0.35	0.35
	(d) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..	..	1	..	..	..
	(e) Goa, Daman & Diu . . . . .	..	..	..	..	1	2.04	..	..	2	2.04	..	..
	(f) Lakshadweep . . . . .	..	..	..	..	..	..	..	..	1	0.61	0.37	0.36
	(g) Arunachal Pradesh . . . . .	..	..	..	..	..	..	..	..	1	2.02	2.81	2.50
	(h) Pondicherry . . . . .	..	..	..	..	..	..	..	..	1	..	..	..
	<b>TOTAL (ALL INDIA) . . . . .</b>	<b>37</b>	<b>308.92</b>	<b>1,235.51</b>	<b>1,127.68</b>	<b>95</b>	<b>1,410.31</b>	<b>6,005.82</b>	<b>5,672.89</b>	<b>172</b>	<b>16,663.56</b>	<b>66,689.03</b>	<b>63,073.60</b>

TABLE No. 2.1.6.

Statewise Installed Plant Capacity @ As on 31-3-1974, Aggregate Maximum demand Energy Generated by Type of Plant

Sl. No.	State/Corporation	HYDRO					STEAM				
		Installed capacity (MW)	Maximum demand (Aggregate) (MW)	Generation (M KWH)		Auxiliary consumption as % of gross generation	Installed capacity (MW)	Maximum demand (Aggregate) (MW)	Generation (M KWH)		Auxiliary consumption %
				Gross	Net				Gross	Net	
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	267.93	283.68	1,093.93	1,091.23	0.25	382.50	369.40	2,192.06	2,017.19	7.98
2	Assam	66.71	56.48	198.49	196.96	0.77	35.00	26.00	45.08	41.60	7.71
3	Bihar	15.00	7.45	4.59	4.38	4.58	572.77	331.86	1,980.11	1,752.11	11.51
4	Gujarat	..	..	..	..	..	883.00	745.36	4,610.73	4,264.76	7.50
5	Haryana	408.47	413.05	1,970.60	1,966.02	0.23	90.60	76.05	449.44	411.50	8.44
6	Himachal Pradesh	48.97	32.60	173.11	172.18	0.54	..	..	..	..	..
7	J. & K.	51.72	40.61	206.20	205.24	0.47	22.50	20.00	11.26	11.06	1.78
8	Karnataka	966.60	957.22	4,578.48	4,563.66	0.32	..	..	..	..	..
9	Kerala	621.50	639.80	2,560.78	2,537.49	0.91	..	..	..	..	..
10	Madhya Pradesh	193.00	194.50	710.22	709.36	0.12	582.00	443.88	2,557.56	2,311.59	9.62
11	Maharashtra	844.32	894.78	4,675.42	4,650.65	0.53	975.00	920.30	5,146.94	4,748.26	7.75
12	Manipur	0.60	0.60	1.64	1.63	0.61	..	..	..	..	..
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	424.42	373.50	1,591.14	1,584.15	0.44	258.25	174.00	550.06	486.83	11.50
15	Punjab	708.70	706.57	3,488.74	3,480.21	0.24	5.00	5.00	8.72	7.33	15.94
16	Rajasthan	376.33	379.88	1,594.64	1,591.72	0.18	163.00	121.59	547.01	496.71	9.20
17	Tamil Nadu	1,224.00	1,237.90	3,696.94	3,687.72	0.25	430.00	311.00	1,170.96	1,017.45	13.11
18	Tripura	..	..	..	..	..	..	..	..	..	..
19	Uttar Pradesh	606.28	549.85	1,986.64	1,981.00	0.28	932.40	871.74	3,892.80	3,524.49	9.46
20	West Bengal	36.51	24.66	86.51	83.99	2.91	1,278.94	868.40	4,413.59	4,047.17	8.30
21	D. V. C.	104.00	108.00	353.36	351.09	0.64	957.50	610.00	3,427.69	3,028.27	11.65
22	Central Govt. Projects	..	..	..	..	..	806.00	614.00	2,643.71	2330.54	11.85
23	Union Territories	..	..	..	..	..	..	..	..	..	..
	(a) Delhi	..	..	..	..	..	276.20	249.67	1,204.38	1,096.99	8.92
	(b) A. & N. Islands	..	..	..	..	..	1.10	0.73	0.98	0.89	9.18
	(c) Chandigarh	..	..	..	..	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..
	(f) Lakshadweep (R)	..	..	..	..	..	..	..	..	..	..
	(g) Arunachal Pradesh	0.24	0.20	0.36	0.30	16.67	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
	TOTAL	6,965.30	6,901.33	28,971.84	28,858.98	0.39	8,651.76	6,758.98	34,853.08	31,594.74	9.35

NOTE : @—The Installed Capacity, maximum demand generation, & energy consumed in station auxiliaries of jointly owned projects are divided between the partner States as per their respective (theoretical) share.

(R)—Last year's data repeated since data for the year 1973-74 was not available.



TABLE No. 2.1.6. (Contd.)

Sl. No.	State/Corporation	DIESEL					GAS				
		Installed capacity (MW)	Maximum demand (Aggregate) (MW)	Generation (M KWH)		Auxiliary consumption %	Installed capacity (MW)	Maximum demand (Aggregate) (MW)	Generation (M KWH)		Auxiliary consumption %
				Gross	Net				Gross	Net	
1	2	13	14	15	16	17	18	19	20	21	22
1	Andhra Pradesh	..	..	..	..	..	20.00	18.70	4.04	4.01	0.74
2	Assam	26.24	9.42	12.66	12.05	4.82	69.00	47.20	267.29	260.07	2.70
3	Bihar	16.52	8.03	5.62	4.55	19.02	..	..	..	..	..
4	Gujarat	16.60	13.48	3.07	2.59	15.64	54.00	27.00	63.83	62.72	1.74
5	Haryana	4.99	2.50	0.49	0.49	..	..	..	..	..	..
6	Himachal Pradesh	2.45	0.55	0.10	0.10	..	..	..	..	..	..
7	Jammu & Kashmir	7.92	6.00	7.29	6.95	4.66	..	..	..	..	..
8	Karnataka	..	..	..	..	..	..	..	..	..	..
9	Kerala	3.20	1.50	0.08	0.08	..	..	..	..	..	..
10	Madhya Pradesh	1.52	0.25	0.09	0.09	..	..	..	..	..	..
11	Maharashtra	2.63	0.62	0.57	0.51	10.53	..	..	..	..	..
12	Mizoram	5.24	2.99	11.42	10.46	8.41	..	..	..	..	..
13	Nagaland	2.03	2.12	0.32	0.29	9.38	..	..	..	..	..
14	Orissa	1.05	0.98	0.43	0.41	4.65	..	..	..	..	..
15	Punjab	56.98	32.28	30.24	29.27	3.21	..	..	..	..	..
16	Rajasthan	34.09	25.25	11.45	11.02	3.76	10.00	..	..	..	..
17	Tamil Nadu	..	..	..	..	..	..	..	..	..	..
18	Tripura	5.15	2.80	5.10	4.35	14.71	..	..	..	..	..
19	Uttar Pradesh	6.66	4.60	1.76	1.71	2.84	12.50	10.00	7.98	7.81	2.13
20	West Bengal	18.01	9.36	8.71	8.45	2.99	..	..	..	..	..
21	D. V. C.	..	..	..	..	..	..	..	..	..	..
22	Central Govt. Projects	..	..	..	..	..	..	..	..	..	..
23	<i>Union Territories</i>										
	(a) Delhi	20.80	11.00	17.30	16.96	1.97	..	..	..	..	..
	(b) A. & N. Islands	2.01	0.96	4.74	4.48	2.99	..	..	..	..	..
	(c) Chandigarh	2.48	2.00	0.35	0.35	..	..	..	..	..	..
	(d) Dadra & Nagar Haveli	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	2.04	..	..	..	..	..	..	..	..	..
	(f) Lakshadweep (R)	0.61	0.21	0.37	0.36	1.97	..	..	..	..	..
	(g) Arunachal Pradesh	1.78	1.60	2.45	2.20	5.49	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL</b>	<b>241.00</b>	<b>138.50</b>	<b>124.61</b>	<b>117.72</b>	<b>5.53</b>	<b>165.50</b>	<b>102.90</b>	<b>343.14</b>	<b>334.61</b>	<b>2.49</b>

TABLE No. 2.1.6. (Contd.)

Sl. No.	State/Corporation	NUCLEAR					TOTAL				
		Installed capacity (MW)	Maximum demand (Aggregate) (MW)	Generation (M KWH)		Auxiliary consumption %	Installed capacity (MW)	Maximum demand (Aggregate) (MW)	Generation (M KWH)		Auxiliary consumption %
				Gross	Net				Gross	Net	
1	2	23	24	25	26	27	28	29	30	31	32
1	Andhra Pradesh.	..	..	..	..	..	670.43	671.78	3,290.08	3,112.43	5.40
2	Assam	..	..	..	..	..	196.95	139.10	523.52	510.68	2.45
3	Bihar	..	..	..	..	..	604.29	347.34	1,990.32	1,761.04	11.52
4	Gujarat	..	..	..	..	..	953.60	785.84	4,677.63	4,330.07	7.43
5	Haryana	..	..	..	..	..	504.06	491.60	2,420.53	2,378.01	1.76
6	Himachal Pradesh	..	..	..	..	..	51.42	33.15	173.21	172.28	0.54
7	J. & K.	..	..	..	..	..	82.14	66.61	224.75	223.25	0.67
8	Karnataka	..	..	..	..	..	966.60	957.22	4,578.48	4,563.66	0.32
9	Kerala	..	..	..	..	..	624.70	641.30	2,560.86	2,537.57	0.91
10	Madhya Pradesh	..	..	..	..	..	776.52	638.63	3,267.87	3,021.04	7.55
11	Maharashtra	..	..	..	..	..	1,821.95	1,815.70	9,822.93	9,399.42	4.31
12	Manipur	..	..	..	..	..	5.84	3.59	13.06	12.09	7.43
13	Nagaland	..	..	..	..	..	2.03	2.12	0.32	0.29	9.38
14	Orissa	..	..	..	..	..	683.72	548.48	2,141.63	2,071.39	3.28
15	Punjab	..	..	..	..	..	770.68	743.85	3,527.70	3,516.81	0.31
16	Rajasthan	..	..	..	..	..	583.42	526.72	2,153.10	2,099.45	2.49
17	Tamil Nadu	..	..	..	..	..	1,654.00	1,548.90	4,867.90	4,705.17	3.34
18	Tripura	..	..	..	..	..	5.15	2.80	5.10	4.35	14.71
19	Uttar Pradesh	..	..	..	..	..	1,557.84	1,436.19	5,889.18	5,515.01	6.35
20	West Bengal	..	..	..	..	..	1,333.46	902.42	4,568.81	4,139.61	8.19
21	D. V. C.	..	..	..	..	..	1,061.50	718.00	3,781.05	3,379.36	10.6
22	Central Govt. Projects	640.00	577.00	2,396.36	2,167.55	9.55	1,446.00	1,191.00	5,040.07	4,498.09	10.75
23	Union Territories										
	(a) Delhi	..	..	..	..	..	297.00	260.67	1,221.68	1,113.95	8.82
	(b) A. & N. Islands	..	..	..	..	..	3.11	1.69	5.72	5.37	6.12
	(c) Chandigarh	..	..	..	..	..	2.48	2.00	0.35	0.35	..
	(d) Dadra and Nagar Haveli	..	..	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	..	2.04	..	..	..	..
	(f) Lakshadweep (R)	..	..	..	..	..	0.61	0.21	0.37	0.36	2.70
	(g) Arunachal Pradesh	..	..	..	..	..	2.02	1.80	2.81	2.50	11.03
	(h) Pondicherry	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL</b>	640.00	577.00	2396.36	2,167.55	9.55	16,663.56	14,478.71	66,689.03	63,073.60	5.42

R.—Last year's data repeated since data for the year 1973-74 was not available.

TABLE NO. 2.1.7.

Statewise Aggregate Maximum demand (MW) by Ownership (Utilities)@

Sl. No.	State/Power Corporation	State Elec. Board	Govt. Deptt.	Govt. Undertaking	Corporation	Municipalities	Companies	Total (M.W.)
1	2	3	4	5	6	7	8	9
1	Andhra Pradesh . . . . .	528.10	143.68	..	..	..	..	671.78
2	Assam . . . . .	137.82	..	..	..	..	1.28	139.10
3	Bihar . . . . .	327.35	7.45	..	..	..	12.54	347.34
4	Gujarat . . . . .	565.26	..	..	..	0.70	219.88	785.84
5	Haryana . . . . .	491.60	..	..	..	..	..	491.60
6	Himachal Pradesh . . . . .	33.15	..	..	..	..	..	33.15
7	Jammu & Kashmir . . . . .	66.61	..	..	..	..	..	66.61
8	Karnataka . . . . .	166.30	790.92	..	..	..	..	957.22
9	Kerala . . . . .	641.30	..	..	..	..	..	641.30
10	Madhya Pradesh . . . . .	629.25	..	..	..	..	9.38	638.63
11	Maharashtra . . . . .	1,216.36	..	..	..	..	599.34	1,815.70
12	Manipur . . . . .	..	3.59	..	..	..	..	3.59
13	Nagaland . . . . .	..	2.12	..	..	..	..	2.12
14	Orissa . . . . .	390.48	158.00	..	..	..	..	548.48
15	Punjab . . . . .	743.85	..	..	..	..	..	743.85
16	Rajasthan . . . . .	524.97	..	..	..	..	1.75	526.72
17	Tamil Nadu . . . . .	1,548.90	..	..	..	..	..	1,548.90
18	Tripura . . . . .	..	2.80	..	..	..	..	2.80
19	Uttar Pradesh . . . . .	1,419.50	..	..	..	4.10	12.59	1,436.19
20	West Bengal . . . . .	451.40	..	157.60	..	1.52	291.90	902.42
21	D. V. C. . . . .	..	..	..	718.00	..	..	718.00
22	Central Govt. Projects . . . . .	..	..	1,191.00	..	..	..	1,191.00
<i>Union Territories</i>								
	(a) Andaman & Nicobar Islands . . . . .	..	1.69	..	..	..	..	1.69
	(b) Chandigarh . . . . .	..	2.00	..	..	..	..	2.00
	(c) Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..	..
	(d) Delhi . . . . .	..	..	..	..	260.67	..	260.67
	(e) Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..
	(f) Lakshadweep . . . . .	..	0.21	..	..	..	..	0.21
	(g) Pondichery . . . . .	..	..	..	..	..	..	..
	(h) Arunachal Pradesh . . . . .	..	1.80	..	..	..	..	1.80
TOTAL (ALL-INDIA) . . . . .		9,882.20	1,114.26	1,348.60	718.00	266.99	1,148.66	14,478.71

@ The Maximum demand at the jointly owned projects/power stations has been shown divided between the partner States as per their theoretical shares.

TABLE NO. 2.1.8.

## Shares of Participating States in Jointly Owned Power Stations

Sl. No.	Name of the power station	Installed plant capacity (MW)	Energy generated (m. kWh)		Name of the Participating States	Shares of the Participating States		Energy sent out Statewise (M. kWh.)
			Gross	Net		Percentage share	Installed capacity (MW)	
1	2	3	4	5	6	7	8	9
1	Machkund (Hydro)	114.75	558.14	556.28	Andhra Pradesh. Orissa	70 30	80.33 34.42	281.34 274.34
2	Tungabhadra Light Bank & Hampi (Hydro).	72.00	274.20	273.39	Karnataka Andhra Pradesh.	20 80	14.40 57.60	129.37 144.02
3	Chambal Projects (Hydro)—							
	(a) Gandhi Sagar	115.00	493.10	492.20	Madhya Pradesh.	50	57.50	M.P. = 1,767.13 Raj. = 852.62
	(b) Rana Pratap Sagar	172.00	557.21	556.55	Rajasthan Madhya Pradesh Rajasthan	50 50 50	57.50 86.00 86.00	
	(c) Jawahar Sagar	99.00	370.13	369.97	Madhya Pradesh. Rajasthan	50 50	49.50 49.50	
4	Satpura (Thermal)	312.50	1,321.52	1,201.03	Madhya Pradesh. Rajasthan	60 40	187.50 125.00	
5	Bhakra Nangal (Hydro)@	1,204.50	5,810.92	5,797.40	Punjab Haryana Rajasthan Chandigarh* Himachal Pradesh (New)*  Common Pool consumers	84.78 × 60% 84.78 × 40% 15.22% .. .. ..	612.70 408.47 183.33 .. ..	1,652.63 1,470.86 548.20 139.48 122.82
	(a) Nangal Fertilizers.					..	..	1,090.71
	(b) Himachal Pradesh (Old).					..	..	32.80
	(c) Jammu & Kashmir.					..	..	71.05
	(d) D.E.S.U.					..	..	393.62
	(e) I. B. Bhakra Common consumers					..	..	11.10
	(f) Uttar Pradesh.					..	..	159.90
	(g) B. S. L.					..	..	104.23
6	Indraprastha Extn. (Thermal) (Units 2, 3 & 4).	187.50	1,104.30	1,018.74	Delhi Haryana	66.67 33.33	125.00 62.50	687.84 330.90

NOTE.— \* Received on partnership basis.

@Energy sent out shown in this table against each consumer includes their share of losses in B. M. B.

TABLE NO. 2.1.9

Installed Capacity, Energy Generated, Energy sent out by Central Govt. Projects/D.V.C.

S. No.	Name of Power Station	Installed Plant Capacity (MW)	Energy Generated (Mkwh)		Off take by the States (Including losses) i.e. at P.H. Busbar	
			Gross	Net	Name of the States	M. Kwh.
1	2	3	4	5	6	7
1	Tarapore (Nuclear)	420.00	1908.83	1,759.45	Gujarat	880.62
					Maharashtra	878.83
2	Chola (Steam)	96.00	147.54	130.55	Central Railway (Maharashtra)	130.55
3	Pong/Beas Talwara (Steam)	10.00	21.65	17.47	Beas Project (Unit II, Punjab)	17.47†
4	R.A.P.P. (Nuclear)	220.00	487.53	408.10	Rajasthan	408.10
5	Neyveli (Lignite)	600.00	2,276.80	2,016.19	Tamil Nadu	1,800.21@@
6	Badarpur (Steam)	100.00	197.72	166.32	Haryana	27.62
					Punjab	4.20
					Uttar Pradesh	124.22
					Delhi	10.28
7	D.V.C†	1,061.50	3,781.05	3,379.36@	Bihar	1,911.64*
					West Bengal	1,656.18**
					Uttar Pradesh	Nil

† Apart from their generation project also purchased energy from Punjab State Electricity Board.

† D.V.C. is owned by three partners viz. Central Govt. Bihar Govt. & West Bengal Govt.

@ @ 215.98 M.kwh (difference between energy sent out and net generation) has been consumed by Neyveli Lignite Corpn. within works.

@ Net Generation does not tally with total of energy sent out by D.V.C. Since energy sent out includes purchase by D.V.C.

\* Includes 590.88 M.kwh direct sale by D.V.C. to ultimate consumers in Bihar area.

\*\* Includes 812.63 M.kwh direct sale by D.V.C. to ultimate consumers in Bengal area.

TABLE NO. 2.1.10

Hydro Generating Units Commissioned in 1973-74

Sl. No.	Installed at (ownership)	State/Union Territory	Date of Commissioning	No. of sets	Capacity of each set (MW)	Total capacity
1	Jawahar Sagar 'A'	Rajasthan	18-7-73	1	33.00	33.00
2	Balimela (Orissa Govt.)	Orissa	14-8-73	1	60.00	60.00
3	U.B.D.C. (Punjab Board)	Punjab	25-1-74	1	60.00	60.00
			12-4-73	1	15.00	15.00
4	Upper Sindh (J.&K. Govt.)	J&K	20-11-73	1	11.00	11.00
			Total	5		179.00

NOTE: 'A' Shared by Madhya Pradesh & Rajasthan Boards.

6-1 GWG/ND/75

TABLE NO. 2.1.11

*Steam Gas Nuclear Generating Units Commissioned during (1973-74)*

Sl. No.	Installed at (ownership)	State/Union Territory	Date of Commissioning	No. of Sets	Capacity of each set	Total capacity
1	Santalidih (West Bengal Board)	West Bengal	15-10-73	1	120.00	120.00
2	Badarpur (Central Project)	Delhi	26-7-73	1	100.00	100.00
			Total			220.00

TABLE NO. 2.1.12

*Boilers Commissioned during the year 1973-74*

Sl. No.	Installed at	State of ownership	No. of Boilers	Evaporating capacity of each unit in 1000 kg/hr	Steam conditions at stop valve	
					Pressure in kg/cm	Temperature in C°
1	2	3	4	5	6	7
1	Santalidih	West-Bengal State Elec. Board	1	393 (1000 at 100% MCR) at Nominal evaporating capacity	127.6	538
2	Badarpur	Delhi Central Govt. Project	1	420	90	535

TABLE No. 2.1.13

## Statewise Fuel Consumption (1973-74)

Sl. No.	State/Union Territory	Steam Power Stations				Gross Generation (MkWh)	Average Heat input in (K. Cal/kWh) generated	Gas turbine & Diesel Power stations		
		Coal (Tonnes)	Furnace Oil (K.L.)	Natural and other Gaseous fuel Cu. Meters/M. Tons	Heat input (K. Cal × 109)			Oil Consumption* (K.L.)	Generation (MkWh)	Average oil consumption (Lit/kWh) generated
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . . . .	1,520,521	15,164(A)	..	7,274.29	2,192.06	3,318	1,646 <sup>†</sup>	4.04	0.41
2	Assam . . . . .	..	15,286(B)	..	92.87	45.08	2,060	5,231 <sup>†</sup>	279.95 <sup>†</sup>	0.41
3	Bihar . . . . .	1,061,711	141,019	..	6,609.62	1,980.11	3,338	1,897	5.63	0.33
4	Gujarat . . . . .	683,057	925,726	153.781(M.Cu.m)	15,493.35	4,610.73	3,360	1,000 <sup>†</sup>	66.90 <sup>†</sup>	0.32
5	Haryana . . . . .	70,017	..	..	411.56	81.34	5,060	145	0.49	0.30
6	Himachal Pradesh . . . . .	..	..	..	..	..	..	37	0.10	0.37
7	Jammu & Kashmir . . . . .	13,151	..	..	81.54	11.26	7,242	2,260	7.29	0.31
8	Karnataka . . . . .	..	..	..	..	..	..	..	..	..
9	Kerala . . . . .	..	..	..	..	..	..	..	..	..
10	Madhya Pradesh . . . . .	2,165,947	18,113	..	12,201.86	3,086.17	3,954	84	0.09	0.93
11	Maharashtra . . . . .	2,460,316	431,577@	954 M.T. (Refinery gas)	15,669.60	1,546.94	3,044	275	0.57	0.48
12	Manipur . . . . .	..	..	..	..	..	..	3,373	11.42	0.30
13	Nagaland . . . . .	..	..	..	..	..	..	182	0.32	0.57
14	Oriasa . . . . .	360,277	1,312(C)	..	1,930.94	550.06	3,510	229	0.43	0.53
15	Punjab . . . . .	9,601	..	..	56.00	8.72	6,422	8,939	30.24	0.30
16	Rajasthan . . . . .	30,049	..	..	180.95	18.40	9,834	4,397	11.45	0.38
17	Tamil Nadu . . . . .	740,349	76,291	..	4,136.08	1,170.96	3,532	..	..	..
18	Tripura . . . . .	..	..	..	..	..	..	2,217	5.10	0.43
19	Uttar Pradesh . . . . .	3,176,535	37,492(D)	..	16,264.24	3,892.80	4,178	4,363 <sup>†</sup>	9.74 <sup>†</sup>	0.45
20	West Bengal . . . . .	2,889,533	38,431	..	16,721.48	4,413.59	3,789	3,034	8.71	0.35
21	D.V.C. . . . .	1,993,904	..	..	10,604.04	3,427.69	3,094	..	..	..
22	Central Govt. Projects . . . . .	3,159,279@@	14,994	..	8,414.62	2,643.71	3,183	..	..	..

TABLE No. 2.1.13.—(Contd.)

1	2	3	4	5	6	7	8	9	10	11
	<i>Union Territories</i>									
(a)	A. & N. Islands . . . . .	11,707 <sup>§</sup>	..	..	14.63	0.98	14,930	2,080	4.74	0.44
(b)	Arunachal Pradesh . . . . .	..	..	..	..	..	..	..	..	..
(c)	Chandigarh . . . . .	..	..	..	..	..	..	120	0.25	0.34
(d)	D. & N. Haveli . . . . .	..	..	..	..	..	..	..	..	..
(e)	Delhi . . . . .	847,101	46,759	..	5,293.12	1,572.48	3,366	5,319	17.30	0.31
(f)	Goa, Daman & Diu . . . . .	..	..	..	..	..	..	..	..	..
(g)	Lakshadweep . . . . .	..	..	..	..	..	..	210	0.37	0.57
(h)	Pondicherry . . . . .	..	..	..	..	..	..	..	..	..
	<b>ALL INDIA TOTAL</b> . . . . .	21,193,055	1,762,164	153.781 M.Cu.954 M.T. Ref. Gas	Ms. 121,450.79 × 109	34,853.08	3,485	47,058	465.23*	0.35

@Includes 353213 M.T. of Furnace oil equivalent of Low & High Sulphur pitch.

@@Includes 2,875,000 Metric Tonnes of lignite used in Neyveli Power House.

§Wood Fuel (A)—Includes 1615 KL of diesel oil used.

(B)Includes 61 KL of diesel oil used.

(C)Diesel oil used by Steam Power Stations.

(D)Includes 1433 KL of diesel oil used.

\*—All diesel oil consumed by Gas Turbine Plant, Erragada.

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

—Includes 267.29 M. kWh generated by Gas Turbine at Naharkatia.

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

—Includes 63.83 Million kWh generated by gas turbine at Dhuvran.

—Includes diesel oil consumed by gas turbine.

—Includes 7.98 ML kWh generated by gas turbine at Muradnagar.

\*—Includes 331.12 M kWh energy generated by gas turbine consuming Natural Gas.



TABLE NO. 2.1.14.

## Classification of Undertakings (Utilities) Owning Generating Stations According to Ranges of Installed Capacity

Range of Installed Capacity (MW)	State Electricity Board			Government Department/ Electricity Department			Government Undertaking			Power Corporation		
	No. of Under-takings	Aggregate Installed capacity of the Group (MW)	Total Energy Generated by the Group (Mkwh)	No. of under-takings	Aggregate Installed Capacity of the Group (MW)	Total Energy Generated by the group (M.kwh)	No. of under-takings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (MKWH)	No. of under-takings	Aggregate installed capacity of the group MW	Total Energy Generated by the group (Mkwh)
1	2	3	4	5	6	7	8	9	10	11	12	13
Upto 1.000	..	..	..	4	0.61	0.37	..	..	..	..	..	..
1.000 to 5.000	..	..	..	4	9.64	9.20	..	..	..	..	..	..
5.001 to 10.000	..	..	..	2	10.99	18.16	1	10.00	21.65	..	..	..
10.001 to 25.000	..	..	..	1	15.00	4.59	..	..	..	..	..	..
25.001 to 50.000	..	..	..	..	..	..	..	..	..	..	..	..
50.001 to 100.000	2	133.56	397.96	1	72.00	274.20	2	196.00	345.26	..	..	..
Over 100.000	15	10,929.28	44,054.29	3	980.75	5,038.53	4	1,525.00	5,502.44	1	1,061.50	3,781.05
<b>TOTAL</b>	<b>17</b>	<b>11,062.84</b>	<b>44,452.25</b>	<b>12</b>	<b>1,088.99</b>	<b>5,345.05</b>	<b>7</b>	<b>1,731.00</b>	<b>5,869.35</b>	<b>1</b>	<b>1,061.50</b>	<b>3,781.05</b>

TABLE NO.2.1.14—(contd.)

Range of installed capacity (MW)	Municipalities			Companies			Total		
	No. of under-takings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (Mkwh)	No. of under-takings	Aggregate installed capacity of the group (MW)	Total energy Generated by the group (Mkwh)	No. of Under-takings	Aggregate installed capacity of the group (MW)	Total energy generated by the group (MKWH)
1	14	15	16	17	18	19	20	21	22
Up to 1.000	1	0.37	..	8	3.47	4.30	10	4.45	4.67
1.001 to 5.000	3	5.33	4.82	7	19.46	29.77	14	34.43	43.79
5.001 to 10.000	1	6.22	9.01	1	8.38	26.39	5	35.59	75.21
10.001 to 25.000	..	..	..	5	76.00	230.14	6	91.00	234.73
25.001 to 50.000	..	..	..	..	..	..	..	..	..
50.001 to 100.000	..	..	..	..	..	..	5	401.56	1,017.42
Over 100.000	1	297.00	1,221.68	9	1,368.00	5,715.22	27	16,696.53	65,319.21
<b>TOTAL</b>	<b>6</b>	<b>308.92</b>	<b>1,235.51</b>	<b>24</b>	<b>1,410.31</b>	<b>6,005.82</b>	<b>67</b>	<b>16,663.56</b>	<b>66,689.03</b>

TABLE No. 2.1.15

Classification of Undertakings (Utilities) owning Generating Stations According to Range of Generation

Range of Generation (M. kWh)	State Electricity Board		Government Department		Government Undertaking		Power Corporation	
	No. of Undertakings	Total Energy Generated by the Group (M.kWh)	No. of Undertakings	Total Energy Generated by the Group (M.kWh)	No. of Undertakings	Total Energy Generated by the Group (M.kWh)	No. of Undertakings	Total Energy Generated by the Group (M.kWh)
1	2	3	4	5	6	7	8	9
Under 1,000	..	..	3	1.04	..	..	..	..
1,001 to 10,000	..	..	4	18.22	..	..	..	..
10,001 to 25,000	..	..	1	13.06	1	21.65	..	..
25,001 to 50,000	..	..	..	..	..	..	..	..
50,001 to 100,000	..	..	..	..	..	..	..	..
100,001 to 250,000	2	397.96	..	..	2	345.26	..	..
250,001 to 500,000	1	447.47	2	678.42	1	487.53	..	..
500,001 to 1000,000	1	518.11	1	558.14	1	829.28	..	..
Above 1000,000	13	43,088.71	1	4,076.17	2	4,185.63	1	3,781.05
<b>TOTAL</b>	<b>17</b>	<b>44,452.25</b>	<b>12</b>	<b>5,345.05</b>	<b>7</b>	<b>5,869.35</b>	<b>1</b>	<b>3,781.05</b>

TABLE No. 2.1.15—(contd.)

Range of Generation (M.kWh)	Municipalities		Companies		Total	
	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)	No. of Undertakings	Total Energy Generated by the Group (M. kWh)
1	10	11	12	13	14	15
Under 1,000	2	0.12	8	0.56	13	1.72
1,001 to 10,000	3	13.71	7	24.13	14	56.06
10,001 to 25,000	..	..	1	19.05	3	53.76
25,001 to 50,000	..	..	2	63.85	2	63.85
50,001 to 100,000	..	..	3	183.01	3	183.01
100,001 to 250,000	..	..	..	..	4	743.22
250,001 to 500,000	..	..	..	..	4	1,613.42
500,001 to 1000,000	..	..	..	..	3	1,905.53
Above 1000,000	1	1,221.68	3	5,715.22	21	62,068.46
<b>TOTAL</b>	<b>6</b>	<b>1,235.51</b>	<b>24</b>	<b>6,005.82</b>	<b>67</b>	<b>66,689.03</b>

TABLE No. 2.1.16

*Classification of undertakings owning Generating stations according to the Ranges of Generating Maximum Demand (Utility)*

Range of Maximum Demand (MW)	PUBLIC SECTOR								MUNICIPALITIES		PRIVATE SECTOR		TOTAL	
	State Electricity Boards		Government Departments		Government Undertakings		Power Corporation		No. of Undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate maximum Demand of the Group
	No. of undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate Maximum Demand of the Group	No. of undertakings	Aggregate Maximum Demand of the Group	No. of Undertakings	Aggregate Maximum Demand of the Group						
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Up to 0.500 . . . . .	..	..	1	0.21	..	..	..	..	1	..	7	0.52	9	0.73
0.501 to 1.000 . . . . .	..	..	..	..	..	..	..	..	2	1.30	3	1.75	5	3.05
1.001 to 2.500 . . . . .	..	..	4	7.61	..	..	..	..	1	1.52	2	2.32	7	11.45
2.501 to 10.000 . . . . .	..	..	3	13.84	1	10.00	..	..	1	3.50	7	40.67	12	68.01
10.001 to 25.000 . . . . .	..	..	..	..	..	..	..	..	..	..	2	23.60	2	23.60
25.001 to 50.000 . . . . .	1	33.15	..	..	1	40.00	..	..	..	..	..	..	2	73.15
50.001 to 100.000 . . . . .	1	66.61	1	59.60	1	100.00	..	..	..	..	..	..	3	226.21
Over 100.000 . . . . .	15	9,782.44	3	1,033.00	4	1,198.60	1	718.00	1	260.67	3	1,079.80	27	14,072.51
TOTAL . . . . .	17	9,882.20	12	1,114.26	7	1,348.60	1	718.00	6	266.99	24	1,148.66	67	14,478.17

TABLE NO. 2.1.17

*Classification of Hydro Power Stations According to the Range of Installed Plant Capacity (Utility)*

Range of Installed Plant Capacity (MW)	No. of Generating Stations	Installed Plant Group Total (MW)	Capacity percentage of total	Energy Generated by the group (M. kwh)	Average Plant Load factor%
1	2	3	4	5	6
Upto 1.000	24	7.16	0.10	11.69	18.64
1.001 to 10.000	20	71.14	1.02	289.63	46.48
10.001 to 50.000	35	1077.95	15.48	4037.94	42.76
50.001 to 100.000	16	1107.50	15.90	4309.99	44.43
Over 100.000	18	4701.55	67.50	20322.59	49.34
<b>TOTAL</b>	<b>113</b>	<b>6965.30</b>	<b>100.00</b>	<b>28971.84</b>	<b>47.48</b>

TABLE No. 2.1.18

## Classification of Hydro Power Sets According to the size of the (Utility)

Size of the Generating Sets	PUBLIC SECTOR										PRIVATE SECTOR		Total		PER- CEN- TAGE  Perce- tage of Total Hydro- Plant
	State Electricity Boards		Govt. Departments		Govt. Undertakings		Power Corporation		Municipalities		No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)	
	No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)	No. of Sets	Aggregate Plant Capacity (MW)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>1. A. C. Plant</b>															
Under 1,001 MW .	65	15.74	1	0.84	..	..	..	..	16	6.11	6	1.51	88	24.20	0.35
1,000 to 5,000 MW .	41	123.10	4	17.00	..	..	2	4.00	..	..	..	..	47	144.10	2.07
5,001 to 10,000 MW .	45	362.60	9	79.20	..	..	..	..	..	..	..	..	54	441.80	6.34
10,001 to 20,000 MW	51	743.15	5	75.00	..	..	3	60.00	..	..	12	144.00	71	1,022.15	14.68
20,001 to 30,000 MW	21	519.50	3	63.75	..	..	..	..	..	..	6	132.00	30	715.25	10.27
30,001 to 50,000 MW.	43	1,795.00	..	..	..	..	1	40.00	..	..	..	..	44	1,835.00	26.34
Over 50,000 MW .	24	1,950.00	10	832.80	..	..	..	..	..	..	..	..	34	2,782.60	39.95
<b>SUB-TOTAL.</b>	<b>290</b>	<b>5,509.09</b>	<b>32</b>	<b>1,068.59</b>	<b>..</b>	<b>..</b>	<b>6</b>	<b>104.00</b>	<b>16</b>	<b>6.11</b>	<b>24</b>	<b>277.51</b>	<b>368</b>	<b>6,965.30</b>	<b>100.00</b>
<b>2. D.C. Plant</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL .</b>	<b>290</b>	<b>5,509.09</b>	<b>32</b>	<b>1,068.59</b>	<b>..</b>	<b>..</b>	<b>6</b>	<b>104.00</b>	<b>16</b>	<b>6.11</b>	<b>24</b>	<b>277.51</b>	<b>368</b>	<b>6,965.30</b>	<b>100.00</b>

TABLE 2.1.19

*Classification of Steam Power Stations According to the range of installed Plant Capacity (Utility)*

Range of Installed plant capacity	No. of generating stations	Installed plant capacity		Generation (MKWH)	Total capacity of boilers (Tonnes per hour)	Average capacity of boilers kg/hr/kw of generating capacity	Average overall thermal efficiency	Average plant Load Factor
		Group Total	Percentage of total					
1	2	3	4	5	6	7	8	9
Upto 1,000 KW . . . . .	4	2.57	0.03	0.45	16.74	6.51	8.70	2.00
1,001 to 10,000 KW . . . . .	24	135.74	1.57	329.76@	736.70	5.43	12.44	27.73
10,001 to 50,000 KW . . . . .	26	549.95	6.36	1680.89@	2,951.38	5.37	15.23	34.89
50,001 to 100,000 KW . . . . .	16	1,227.00	14.18	5,112.38	6,065.23	4.94	22.35	47.56
Above 100,000 KW . . . . .	25	6,736.50	77.86	27,729.60	26,349.84	3.91	26.49	46.99
<b>TOTAL</b> . . . . .	95	8,651.76	100.00	34,853.08	36,119.89	4.17	24.67	45.99

@Includes 7.39 MKWH generation from Rampur Power Station (4.73 MW) in (UP) which was deleted during 1973.

@@Includes 10.55 MKWH generation from Porbandar (15MW) Power Station in Gujarat which was deleted during 1973.

TABLE No. 2.1.20  
Classification of Steam & Power sets according to size

Size of Generating Sets	PUBLIC SECTOR							
	State Elec. Board		Govt. Department		Govt. Undertakings		Power Corp'n.	
	No. of Sets	Aggregate Plant capacity (M.W.)	No. of Sets	Aggregate Plant capacity (M.W.)	No. of Sets	Aggregate Plant capacity (M.W.)	No. of Sets	Aggregate Plant capacity (M.W.)
1	2	3	4	5	6	7	8	9
<b>1. A.C. Plant</b>								
Upto 1-000 MW . . . . .	15	210.30	2	1.10	..	..	..	..
1-001 to 5-000 MW . . . . .	69	240.01	..	..	..	..	..	..
5-001 to 10-000 MW . . . . .	22	184.75	..	..	1	10.00	..	..
10-001 to 20-000 MW . . . . .	17	251.25	..	..	6	96.00	..	..
20-001 to 30-000 MW . . . . .	18	540.00	..	..	2	60.00	..	..
30-001 to 50-000 MW . . . . .	19	914.00	..	..	6	300.00	..	..
Over 50-000 MW . . . . .	39	3,066.50	..	..	7	625.00	10	957.50
<b>Sub-TOTAL</b>	199	5,206.81	2	1.10	22	1,091.00	10	957.50
<b>2. D.C. Plant</b>								
Under 1-000 MW . . . . .	..	..	..	..	..	..	..	..
<b>TOTAL</b>	199	5,206.81	2	1.10	22	1,091.00	10	957.50

Size of Generating Sets	PUBLIC SECTOR		PRIVATE SECTOR		TOTAL		Percentage of Total Steam Plant
	Municipalities		Companies		No. of Sets	Aggregate Plant Capacity (M.W.)	
	No. of Sets	Aggregate Plant Capacity (M.W.)	No. of Sets	Aggregate Plant Capacity (M.W.)			
1	10	11	12	13	14	15	16
<b>1. A.C. Plant</b>							
Under 1-000 MW . . . . .	..	..	3	3.00	20	14.40	0.17
1-001 to 5-000 MW . . . . .	1	5.00	34	126.38	104	371.39	4.29
5-001 to 10-000 MW . . . . .	4	39.60	6	42.00	33	276.35	3.19
10-001 to 20-000 MW . . . . .	1	15.00	15	240.00	39	602.25	6.96
20-001 to 30-000 MW . . . . .	..	..	9	270.00	29	870.00	10.06
30-001 to 50-000 MW . . . . .	1	36.60	2	100.00	28	1,350.60	15.61
Over 50-000 MW . . . . .	3	180.00	4	337.50	63	5,166.50	59.72
<b>Sub-TOTAL</b>	10	276.20	73	1,118.88	316	8,651.49	100.00
<b>2. D.C. Plant</b>							
Under 1-000 MW . . . . .	..	..	3	0.27	3	0.27	Neg.
<b>TOTAL</b>	10	276.20	76	1,119.15	319	8,651.76	100.00

Neg.—Negligible.

TABLE No. 2.1.21

Classification of steam power Stations according to Overall Thermal Efficiency (Utility)

Overall Thermal Efficiency	No. of Generating stations	Aggregate Installed capacity (MW)	Energy Generated by the group (MKWH)
1	2	3	4
Under 10% . . . . .	13*	74.48*	130.55
Above 10% & upto 15% . . . . .	24	605.28	1,476.15
Above 15% & upto 20% . . . . .	16	1,210.75	4,756.39
Above 20% & upto 25% . . . . .	8	966.00	3,713.89
Above 25% & upto 30% . . . . .	17	3,435.60	13,735.31
Above 30% . . . . .	10	2,342.90	11,640.79
TOTAL . . . . .	88*	8,635.01*	34,853.68

\*Does not include 7 no. of power stations having total aggregate capacity of 16.75 MW due to Nil generation.

TABLE No. 2.1.22

Classification of Gas Turbine power stations according to Range of Installed Plant Capacity (Utility)

Range of installed plant capacity (MW)	No. of Generating Stations	Installed plant capacity		Energy Generated by the Group (Mkwh)	Fuel Consumption (Kilo-litres)	Fuel Consumption in Lit/Kwh Generated	Average Plant Load Factor %	Remarks
		Group Total (MW)	Percentage of total					
1	2	3	4	5	6	7	8	9
<i>Gas Turbine Power Stations</i>								
Upto 10,000 . . . . .	1	10.00	6.04	..	..	..	..	..
10,001 to 25,000 . . . . .	2	32.50	19.64	12.02	5,296	0.44	4.22	..
25,001 to 50,000 . . . . .	..	..	..	..	..	..	..	..
50,001 to 100,000 . . . . .	2	123.00	74.32	331.12	186.26 × 10 <sup>6</sup> (Cub. Met/Cub. Met kwh)	0.56	30.73	(Natural Gas Turbine)
TOTAL . . . . .	5	165.50	100.00	343.14	52,961 K. lit Diesel & 186.26 Cub. × 10 <sup>6</sup> Cub. Met. Gas			



TABLE No. 2.1.23

Classification of Gas Turbine sets According to sizes (Ownership-wise) (Utilities)

Size of the Generating Sets	PUBLIC SECTOR										PRIVATE SECTOR		TOTAL		Percentage of total Plant Capacity
	State Elec. Boards		Govt. Depts.		Government Undertakings		Power Corporation		Municipalities		Companies		No. of Sets	Aggregate Cap. (MW)	
	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)	No. of Sets	Aggregate Cap. (MW)			
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
<b>Gas Turbine Plant</b>															
<b>I.A.C. Plant :--</b>															
Upto 10.00 MW . . .	3	30.00	..	..	..	..	..	..	..	..	..	..	3	30.00	18.1
Above 10.00 MW . . .	6	135.50	..	..	..	..	..	..	..	..	..	..	6	135.50	81.9
II. D.C. Plant . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
<b>SUB-TOTAL . . .</b>	<b>9</b>	<b>165.50</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>9</b>	<b>165.50</b>	<b>100.00</b>

TABLE No. 2.1.24

Classification of Generating sets according to type of Prime mover & Ownership

Sl. No.	Type of Prime mover	PUBLIC SECTOR							
		State Electricity Board		Govt. Departments		Government Undertaking		Power Corporation	
		No. of Sets	Aggregate Capacity (MW)	No. of sets	Aggregate Capacity (MW)	No. of sets	Aggregate Capacity (MW)	No. of sets	Aggregate Capacity (MW)
1	2	3	4	5	6	7	8	9	10
1.	A.C. Generator Water Turbine A.C. Generator . . . . .	290	5,509.09	32	1,068.59	..	..	6	104.00
	D.C. Generator . . . . .	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>290</b>	<b>5,509.09</b>	<b>32</b>	<b>1,068.59</b>	<b>..</b>	<b>..</b>	<b>6</b>	<b>104.00</b>
2.	Steam Turbine A.C. Generator . . . . .	194	5,205.81	2	1.10	22	1,091.00	10	957.50
	D.C. Generator . . . . .	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>194</b>	<b>5,205.81</b>	<b>2</b>	<b>1.10</b>	<b>22</b>	<b>1,091.00</b>	<b>10</b>	<b>957.50</b>
3.	Reciprocating Steam Engines A.C. Generator . . . . .	5	1.00	..	..	..	..	..	..
	D.C. Generator . . . . .	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>5</b>	<b>1.00</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
4.	Diesel Engines A.C. Generator . . . . .	463	178.53	183@	19.30	..	..	..	..
	D.C. Generator . . . . .	20	2.91	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>483</b>	<b>181.44</b>	<b>183</b>	<b>19.30</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
5.	Gas Turbine A.C. Generator . . . . .	9	165.50	..	..	..	..	..	..
	D.C. Generator . . . . .	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>9</b>	<b>165.50</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
6.	Nuclear Turbine A.C. Generator . . . . .	..	..	..	..	3	640.00	..	..
	D.C. Generator . . . . .	..	..	..	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>3</b>	<b>640.00</b>	<b>..</b>	<b>..</b>
7.	<b>Total :</b>								
	A.C. Generator . . . . .	961	11,059.93	217	1,088.99	25	1,731.00	16	1,061.50
	D.C. Generator . . . . .	20	2.91	..	..	..	..	..	..
	<b>GRAND TOTAL</b> . . . . .	<b>981</b>	<b>11,062.84</b>	<b>217</b>	<b>1,088.99</b>	<b>25</b>	<b>1,731.00</b>	<b>16</b>	<b>1,061.50</b>

\*This does not include No. of Diesel sets of Assam State Elec. Board (26.24 MW), Orissa State Electricity Board (1.05 MW), U. P. State Elec. Board (2.99 MW) for want of Data.

@Does not include No. of Diesel sets of Arunachal Pradesh (1.78 MW) for want of setwise data.

TABLE NO. 2.1.24—(contd.)

Classification of Generating Sets According to Type of Prime mover & Ownership

Sl. No.	Type of Prime mover	PUBLIC SECTOR		PRIVATE SECTOR		TOTAL		Percentage of Total Installed Plant Capacity
		Municipalities		Companies		No. of Sets	Aggregate Capacity (MW)	
		No. of Sets	Aggregate Capacity	No. of Sets	Aggregate capacity (MW)			
1	2	11	12	13	14	15	16	17
1	A.C. Generator Water Turbine A.C. Generator . . . . .	16	6.11	24	277.51	368	6,965.30	41.80
	D.C. Generator . . . . .	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	16	6.11	24	277.51	368	6,965.30	41.80
2	Steam Turbine A.C. Generator . . . . .	10	276.20	73	1,118.88	311	8,650.49	51.91
	D.C. Generator . . . . .	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	10	276.20	73	1,118.88	311	8,650.49	51.91
3	Reciprocating Steam Engines A.C. Generator . . . . .	..	..	..	..	5	1.00	0.01
	D.C. Generator . . . . .	..	..	3	0.27	3	0.27	Neg.
	SUB-TOTAL . . . . .	..	..	3	0.27	8	1.27	0.01
4	Diesel Engines A.C. Generator . . . . .	35	26.61	40	13.41	721*	237.85	1.43
	D.C. Generator . . . . .	..	..	4	0.24	24	3.15	0.02
	SUB-TOTAL . . . . .	35	26.61	44	13.65	745*	241.00	1.45
5	Gas Turbine A.C. Generator . . . . .	..	..	..	..	9	165.50	0.99
	D.C. Generator . . . . .	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	..	..	..	..	9	165.50	0.99
6	Nuclear Turbine A.C. Generator . . . . .	..	..	..	..	3	640.00	3.84
	D.C. Generator . . . . .	..	..	..	..	..	..	..
	SUB-TOTAL . . . . .	..	..	..	..	3	640.00	3.84
7	Total : . . . . .	..	..	..	..	..	..	..
	A.C. Generator . . . . .	61	308.92	137	1,409.80	1,417	16,660.14	99.97
	D.C. Generator . . . . .	..	..	7	0.51	27	3.42	0.03
	GRAND TOTAL . . . . .	61	308.92	144	1,410.31	1,444	16,663.56	100.00

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TABLE NO. 2.1.25

*Plant capacity and Generation by A.C. & D.C.*

System of Generation	No. of generating Stations	Installed Capacity		Generation (M. kwh)
		Aggregate Capacity	Percentage of total	
1	2	3	4	5
Alternating Current only . . . . .	424*	16,660.14	99.97	66,685.58
Direct Current . . . . .	5	3.42	0.03	3.45
	429*	16,663.56	100.00	66,689.03

\*This does not include number of Diesel stations of Assam State Electricity Board (26.24 MW) and Arunachal Pradesh Electricity Department (1.78 MW) for want of details

H = 113  
 S = 95  
 D = 214  
 G = 5  
 A = 2

429

TABLE No. 2.1.26

Classification of generating sets according to Voltage of Generation.

8-1 CWC(ND)/75

Sl. No.	No. of Phase	Voltage of Generation	Type of Plant	PUBLIC SECTOR					
				State Electricity Board		Government Departments		Government Undertaking	
				No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)
1	2	3	4	5	6	7	8	9	10
		<i>Alternating Current</i>							
1	3	33 kV	H	..	..	..	..	..	..
2	3	10.5 to 13.8 kV	H	200	5,359.15	28	1,052.75	..	..
			S	126	4,863.75	..	..	18	1,007.00
			G	9	165.50	..	..	..	..
3	3	5 to 6.6 kV	A	..	..	..	..	3	640.00
			H	22	67.80	3	15.00	..	84.00
			S	51	291.46	..	..	..	..
4	3	2 to 3.9 kV	H	38	78.78	..	..	..	..
			S	20	47.30	..	..	..	..
5	3	400 to 460 V	H	30	3.36	1(A)	0.84	..	..
			S	2	1.30	2	1.10	..	..
6	1	230 Volts	H	..	..	..	..	..	..
			S	..	..	..	..	..	..
7	3 Wire	<i>Direct Current</i> 400—500 V	H	..	..	..	..	..	..
			S	..	..	..	..	..	..
8	2 Wire	220 V	H	..	..	..	..	..	..
			S	..	..	..	..	..	..
		<b>SUB-TOTAL</b>	H	290	5,509.09	32	1,068.59	..	..
			S	199	5,206.81	2	1.10	..	..
			G	9	165.50	..	..	22	1,091.00
			A	..	..	..	..	3	640.00

LEGEND : H—Hydro  
S—Steam  
G—Gas  
A—Atomic

(A) Does not include the No. of sets of Arunachal Pradesh due to non-availability of setwise data.

TABLE No. 2.1.26—(Contd.)

Sl. No.	No. of Phase	Voltage of Generation	Type of Plant	PUBLIC SECTOR				PRIVATE SECTOR		TOTAL	
				Power Corporation		Municipalities		Companies		No. of Sets	Aggregate Capacity (MW)
				No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)	No. of Sets	Aggregate Capacity (MW)		
1.	2.	3.	4.	11.	12.	13.	14.	15.	16.	17.	18.
		<i>Alternating Current</i>									
1	3	33 kV	H S	.. ..	.. ..	.. ..	.. ..	.. 10	.. 330.00	.. 10	.. 330.00
2	3	10.5 to 13.8 kV	H S G A	6 10 .. ..	104.00 957.50 .. ..	.. 6 .. ..	.. 250.80 .. ..	.. 24 .. ..	.. 575.00 .. ..	234 184 9 3	6,515.90 7,654.05 165.50 640.00
3	3	5 to 6.6 kV	H S	.. ..	.. ..	2 4	1.00 25.40	18 15	276.00 156.00	45 74	359.80 559.86
4	3	2 to 3.9 kV	H S	.. ..	.. ..	7 ..	2.11 ..	6 24	1.51 57.88	51 44	82.40 105.18
5	3	400 to 460 V	H S	.. ..	.. ..	7 ..	3.00 ..	.. ..	.. ..	38 4	7.20 2.40
6	1	230 Volts	H S	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
7	3 Wire	<i>Direct Current</i> 400—500 V	H S	.. ..	.. ..	.. ..	.. ..	.. 3	.. 0.27	.. 3	.. 0.27
8	2 Wire	220 V	H S	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..	.. ..
		<b>SUB-TOTAL</b>	H S G A	6 10 .. ..	104.00 957.50 .. ..	16 10 .. ..	6.11 276.20 .. ..	24 76 .. ..	277.51 1,119.15 .. ..	368 319 9 3	6,965.30 8,651.76 165.50 640.00

LEGEND : H—Hydro  
S—Steam  
G—Gas  
A—Atomic

(A) Does not include the No. of sets of Arunachal Pradesh due to non-availability of setwise data.

TABLE No. 2.2.1

Statewise installed **[Generating Plant Capacity of Selected industries in K.W. during the Year 1973-74 as on 31-3-74**

Sl. No.	Name of State/Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Auto-mobile	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Engineering (Elect.)	Fertilizer	Food Products	Heavy Engg.	Iron & Steel (Primary)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Andhra Pradesh . . . . .	..	..	..	310	..	125	40,300	440	..	240	..	..
2	Assam . . . . .	..	..	..	..	..	..	1,226	..	..	..	..	..
3	Bihar . . . . .	..	..	..	32,000	..	..	16,000	..	80,500	..	1,470	220,500
4	Gujarat . . . . .	..	..	..	16,167	..	20,298	..	736	1,950	..	..	..
5	Haryana . . . . .	..	..	120	2,500	1,370	144	..	695	..	60	..	..
6	Karnataka . . . . .	..	..	800	10,000	..	1,000	..	1,742	..	..	3,094	1,360
7	Kerala . . . . .	..	3,610	..	..	295	228	..	..	17,275	232	..	..
8	Madhya Pradesh . . . . .	..	..	..	19,655	..	..	4,600	3,100	..	..	..	36,000
9	Maharashtra . . . . .	..	..	667	..	150	17,280	..	1,384	500	430	370	..
10	Orissa . . . . .	..	210	..	370	..	..	..	..	..	..	..	142,012
11	Punjab . . . . .	..	..	..	..	..	645	..	..	545	483	..	..
12	Rajasthan . . . . .	..	..	..	29,200	..	500	..	..	35,160	..	..	..
13	Tamil Nadu . . . . .	..	..	..	1,665	400	518	..	333	15,334	160	608	..
14	Uttar Pradesh . . . . .	125,000	..	..	567	..	12,750	..	672	..	471	275	..
15	West Bengal . . . . .	18,450	..	1,320	..	85	1,290	..	600	1,800	..	..	80,000
<i>Union Territories</i>													
	(a) Delhi . . . . .	..	..	..	..	..	4,810	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL</b> . . . . .	143,450	3,820	2,907	112,434	2,300	69,588	62,126	9,702	143,064	2,076	5,817	479,872

TABLE NO. 2.2.1—(Contd.)

Sl. No.	Name of State/Union Territory	Iron & Steel (Secondary)	Jute	Light Engg.	Mineral oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous	Paper	Plastic	Rubber	Sugar	Textile	Total
1	2	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Andhra Pradesh	..	..	50	75	..	..	..	36,480	..	..	31,347	3,390	112,757
2	Assam	..	..	..	16,475	..	375	..	..	..	..	..	..	18,076
3	Bihar	..	3,095	..	24,000	150	360	7,975	..	..	..	19,233	..	405,283
4	Gujarat	50	..	..	24,000	..	..	..	6,000	..	..	6,469	19,460	95,130
5	Haryana	443	..	1,466	..	..	2,440	..	9,750	..	455	4,558	4,681	28,682
6	Karnataka	..	..	..	..	..	100	4,751	5,550	..	..	20,290	4,930	53,617
7	Kerala	..	..	216	..	..	755	..	180	..	..	3,305	8,900	34,996
8	Madhya Pradesh	..	..	..	..	..	..	284	20,945	..	..	4,054	31,387	120,025
9	Maharashtra	467	..	2,744	..	..	1,740	..	288	340	988	67,066	37,203	131,617
10	Orissa	..	..	..	..	..	..	..	11,700	..	..	448	..	154,740
11	Punjab	..	..	133	..	..	..	..	..	..	..	650	3,196	5,652
12	Rajasthan	..	..	1,431	..	..	..	3,721	..	..	..	640	10,738	81,390
13	Tamil Nadu	..	..	400	22,000	..	965	..	5,000	..	443	17,549	21,514	76,889
14	Uttar Pradesh	..	750	..	..	..	1,230	..	3,200	..	..	59,396	10,197	214,508
15	West Bengal	600	25,784	1,200	125	..	554	..	33,200	..	..	1,022	80	166,110
<i>Union Territories</i>														
	(a) Delhi	..	..	..	..	..	..	..	..	..	..	..	13,856	28,666
	(b) Rest	..	..	..	..	3,016	150	..	..	..	..	..	1,396	4,562
	<b>TOTAL</b>	1,560	29,629	7,640	86,675	3,166	8,669	16,731	132,293	340	1,886	236,027	170,928	1,732,700



TABLE NO. 2.2.2

Statewise Electricity Generated (Gross) in Million kWh. in Selected Industries during the year 1973-74

Sl. No.	Name of State/Union Territory	Aluminium (Primary)	Aluminium (Secondary)	Auto-mobile	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries	Engineering (Elect.)	Fertilizer	Food Products	Heavy Engg.	Iron & Steel (Primary)
1	2	3	4	5	6	7	8	9	10	11	12	13	14
1	Andhra Pradesh	..	..	..	..	..	0.004	103.666	0.393	..	0.579	..	..
2	Assam	..	..	..	..	..	..	0.017	..	..	..	..	..
3	Bihar	..	..	..	118.109	..	..	61.618	..	436.853	..	..	773.934
4	Gujarat	..	..	..	57.664	..	89.001	..	000.4	..	..	..	..
5	Haryana	..	..	..	1.183	1.060	..	..	0.189	..	0.022	..	..
6	Karnataka	..	..	0.878	19.076	..	0.746	..	2.235	..	..	..	0.003
7	Kerala	..	5.693	..	..	..	0.031	..	..	47.451	0.014	..	..
8	Madhya Pradesh	..	..	..	82.724	..	..	13.218	5.247	..	..	..	166.062
9	Maharashtra	..	..	0.077	..	..	1.761	..	0.389	0.001	0.094	..	..
10	Orissa	..	0.054	..	0.007	..	..	..	..	..	..	..	527.781
11	Punjab	..	..	..	..	..	..	..	..	..	0.036	..	..
12	Rajasthan	..	..	..	94.926	..	0.076	..	..	228.833	..	..	..
13	Tamil Nadu	..	..	..	2.347	0.302	0.281	..	0.079	16.060	0.182	0.316	..
14	Uttar Pradesh	1,009.896	..	..	1.480	..	34.030	..	2.573	..	0.213	0.001	..
15	West Bengal	..	..	..	..	0.038	2.166	..	0.122	1.469	..	..	210.562
<i>Union Territories</i>													
	(a) Delhi	..	..	..	..	..	66.351	..	..	..	..	..	..
	(b) Rest	..	..	..	..	..	..	..	..	..	..	..	..
	<b>TOTAL</b>	<b>1,009.896</b>	<b>5.747</b>	<b>0.955</b>	<b>377.516</b>	<b>1.400</b>	<b>194.447</b>	<b>178.519</b>	<b>10.231</b>	<b>730.667</b>	<b>1.140</b>	<b>0.317</b>	<b>1,678.344</b>

TABLE No. 2.2.2—(Contd.)

Sl. No.	Name of State/Union Territory	Iron & Steel (Secondary)	Jute	Light Engg.	Mineral Oil & Petroleum	Mining & quarrying	Miscellaneous	Non-Ferrous	Paper	Plastic	Rubber & rubber Products	Sugar	Textile	Total
1	2	15	16	17	18	19	20	21	22	23	24	25	26	27
1	Andhra Pradesh	..	..	0.015	..	..	..	..	112.490	..	..	60.748	7.882	285.777
2	Assam	..	..	..	58.146	..	0.022	..	..	..	..	..	..	58.185
3	Bihar	..	6.470	..	119.042	0.044	0.237	15.000	..	..	..	14.934	..	1,546.241
4	Gujarat	0.001	..	..	139.588	..	..	..	21.391	..	..	11.746	56.780	376.175
5	Haryana	0.776	..	1.190	..	..	1.762	..	64.945	..	0.030	8.662	1.701	81.520
6	Karnataka	..	..	..	..	..	0.145	0.071	28.423	..	..	27.131	9.349	87.059
7	Kerala	..	..	0.006	..	..	0.064	..	0.017	..	..	7.733	55.936	116.945
8	Madhya Pradesh	..	..	..	..	..	..	0.006	95.190	..	..	4.084	121.255	487.786
9	Maharashtra	0.085	..	1.432	..	..	0.399	..	0.007	..	0.033	113.986	84.910	203.174
10	Orissa	..	..	..	..	..	..	..	63.931	..	..	0.712	..	592.485
11	Punjab	..	..	0.233	..	..	..	..	..	..	..	0.598	1.471	2.338
12	Rajasthan	..	..	0.857	..	..	..	3.072	..	..	..	0.580	10.186	338.530
13	Tamil Nadu	..	..	0.692	95.283	..	0.429	..	14.514	..	0.179	56.023	48.342	235.029
14	Uttar Pradesh	..	0.460	..	..	..	2.466	..	18.400	..	..	92.136	18.494	1,180.149
15	West Bengal	..	54.070	0.055	0.011	..	0.018	..	110.030	..	..	0.497	..	379.038
	<i>Union Territories</i>													
	(a) Delhi	..	..	..	..	..	..	..	..	..	..	..	30.226	96.577
	(b) Rest	..	..	..	..	0.032	0.010	..	..	..	..	..	0.420	0.462
	<b>TOTAL</b>	0.862	61.000	4.480	412.070	0.076	5.552	18.149	529.338	..	0.242	399.570	446.952	6,067.470

TABLE No. 2.2.3

*Distribution of Energy Generation in Industrial Establishments according to the range of their Installed Plant Capacity for the year 1973-74.*

Sl. No.	Range of Installed Plant Capacity (kW)	No. of Industrial establishments	Aggregate Installed Plant Capacity of the group (kW)	Percentage to total capacity	Energy Generation by the Group (M. kWh)	Percentage to total energy generated
1	2	3	4	5	6	7
1	1—1000 . . . . .	307	107,813	6.22	85.009	1.40
2	1001 to 10,000 . . . . .	169	509,985	29.43	1,219.403	20.10
3	10,001 to 25,000 . . . . .	27	417,890	24.12	1,525.609	25.14
4	25,001 and above . . . . .	8	697,012	40.23	3,237.449	53.36
	TOTAL . . . . .	511	1,732,700	100.00	6,067.470	100.00

TABLE No. 2.2.4.

Zone-wise Installed Plant Capacity and Energy Generation by the Indian Railways during the year 1973-74.

Sl. No.	Name of Railways	Installed Plant Capacity				Maximum Demand KVA	Energy Generated (M. kWh.)				Energy used aux. M. kWh.	Fuel consumed		
		Steam	Diesel	Hydro	Total		Steam	Diesel	Hydro	Total		Coal Tonnes.	Furnace Oil (K. lit)	High speed Diesel Oil (K. lit)
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1	Central Railway*	4,540	3,305	..	7,845	150	..	0.024	..	0.024	0.002	..	..	25
2	Eastern Railway (R)	4,800	..	..	4,800	2,812	10.666	..	..	10.666	1.067	15,076	..	..
3	Northern Railway	4,900	6,615	..	11,515	7,144	3.734	1.796	..	5.530	0.454	11,304	..	901
4	North Eastern Railway (R)	3,000	2,263	..	5,263	5,985	0.036	0.257	..	0.293	0.020	95	..	88
5	North East Frontier Railway	..	10,218	..	10,218	7,353	..	6.918	..	6.918	0.345	..	..	2,275
6	Southern Railway	..	377	..	377	140	..	0.004	..	0.004	Neg.	..	..	Neg.
7	South Central Railway	..	3,258	..	3,258	4,001	..	0.555	..	0.555	0.005	..	..	244
8	South Eastern Railway	4,080	25	..	4,105	2,645	7.317	0.011	..	7.328	1.187	12,873	..	8
9	Western Railway (R)	7,800	4,629	..	12,429	4,497	7.188	1.120	..	8.308	0.706	10,683	..	449
	<b>TOTAL</b>	29,120	30,690	..	59,810	34,727	28.941	10.685	..	39.626	3.786	50,031	..	3,990

R.—The data have been repeated for the last year since the data is not available.

\*—Excludes Kalyan Power house which is taken under utility.

TABLE NO. 2.2.5.

Statewise Installed plant capacity &amp; Energy generation by the Indian Railways during the year 1973-74

9-1 CWG/ND/75

Sl. No.	Name of State/Union Territory	Installed Plant Capacity				Maximum Demand (KVA)	Energy Generated (MK WH)				Aux.	Fuel Consumed			Remarks
		Steam	Diesel	Hydro	Total		Steam	Diesel	Hydro	Total		Coal (Tonnes)	Furnace oil (K.lit.)	Light/HSP oil K. Lit	
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
1	Andhra Pradesh . . . . .	..	580	..	580	500	..	0.049	..	0.049	0.001	..	..	22	
2	Assam . . . . .	..	5,501	..	5,501	4,153	..	4.132	..	4.132	0.205	..	..	1,381	
3	Bihar . . . . .	4,800	1,536	..	6,336	4,215	10.666	0.498	..	11.164	1.091	15,076	..	87	
4	Gujarat . . . . .	3,300	1,928	..	5,228	2,000	6.106	0.166	..	6.272	0.497	7,430	..	51	
5	Haryana . . . . .	..	752	..	752	750	..	0.193	..	0.193	0.015	..	..	83	
6	Jammu & Kashmir . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	
7	Karnataka . . . . .	..	1,337	..	1,337	434	..	0.347	..	0.347	0.003	..	..	160	
8	Kerala . . . . .	..	71	..	71	..	..	..	..	..	..	..	..	..	
9	Madhya Pradesh . . . . .	..	1,305	..	1,305	485	..	0.060	..	0.060	0.002	..	..	27	
10	Maharashtra . . . . .	2,290	1,763	..	4,053	1,464	..	0.184	..	0.184	0.004	..	..	72	
11	Nagaland . . . . .	..	150	..	150	55	..	0.013	..	0.013	..	..	..	6	
12	Orissa . . . . .	..	..	..	..	..	..	..	..	..	..	..	..	..	
13	Punjab . . . . .	..	1,397	..	1,397	1,460	..	0.201	..	0.201	0.005	..	..	43	
14	Rajasthan . . . . .	4,500	4,995	..	9,495	6,060	1.082	2.031	..	0.113	0.225	3,253	..	1,004	
15	Tamil Nadu . . . . .	..	232	..	232	..	..	..	..	..	..	..	..	..	
16	Uttar Pradesh . . . . .	10,150	4,973	..	15,123	7,866	3.770	0.322	..	4.092	0.427	11,399	..	263	
17	West Bengal . . . . .	4,080	3,871	..	7,951	5,285	7.317	2.479	..	9.796	1.311	12,873	..	791	
18	Un on Territories														
	(a) Delhi . . . . .	..	296	..	296	..	..	0.010	..	0.010	..	..	..	..	
	(b) Rest . . . . .	..	3	..	3	..	..	..	..	..	..	..	..	..	
	TOTAL . . . . .	29,120	30,690	..	59,810	34,727	28.941	10.685	..	39.626	3.786	50,031	..	3,990	

**TECHNICAL STATISTICS**  
**SECTION 3**  
**TRANSMISSION AND DISTRIBUTION LINES AND TRANSFORMERS**  
**AS ON 31-3-74**  
**(UTILITIES ONLY)**

TABLE No. 3.1

Statewise Length of Transmission lines and Distribution lines of utilities as on 31-3-1974 (Circuit Kms.)

Sl. No.	State/Power Corporation	Distribution lines upto 500 V	3·3/2·2KV		6·6/·5 KV		15/11 KV		22/20 KV	
			O.H.	U.G.	O.H.	U.G.	O.H.	U.G.	O.H.	U.G.
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh . . . . .	67,238	..	..	..	..	43,494	..	..	..
2	Assam (B) . . . . .	4,507	40	2	..	..	4,908	..	..	..
3	Bihar (R) . . . . .	37,168	32	6	242	52	29,006	35	526	..
4	Gujarat . . . . .	38,849	111	169	6	2	29,992	437	5,263	..
5	Haryana . . . . .	44,764	..	..	..	..	29,290	..	..	..
6	Himachal Pradesh . . . . .	7,272	14	65	..	..	3,462	308	1,396	..
7	Jammu & Kashmir . . . . .	4,000	..	..	330	..	2,500	..	..	..
8	Karnataka . . . . .	105,455	2,311	103	..	..	48,568	255	11	..
9	Kerala . . . . .	27,102	35	..	3	..	9,591	44	160	..
10	Madhya Pradesh . . . . .	48,683	55	43	29	..	29,804	36	..	..
11	Maharashtra . . . . .	90,177	30	2	83	957	43,853	1,774	7,850	488
12	Manipur . . . . .	735	..	..	..	..	500	..	..	..
13	Nagaland (R) . . . . .	525	..	..	..	..	303	..	..	..
14	Orissa . . . . .	9,594	30	3	..	..	10,681	58	..	..
15	Punjab . . . . .	36,042	..	..	..	..	21,621	4	..	..
16	Rajasthan . . . . .	30,671	39	..	69	..	20,907	89	..	..
17	TamilNadu . . . . .	197,332	..	..	90	68	39,527	588	17,283	..
18	Tripura . . . . .	260	..	..	..	..	468	..	..	..
19	Uttar Pradesh . . . . .	64,770	175	224	195	433	86,182	725	..	..
20	West Bengal (R) . . . . .	12,488	54	38	348	1,836	11,796	221	..	..
21	D.V.C. . . . .	..	..	..	..	..	..	..	..	..
	<i>Union Territories</i>									
(a)	Delhi . . . . .	7,757	..	..	39	155	1,541	1,161	..	..
(b)	A.N. Islands . . . . .	183	..	..	40	..	..	..	..	..
(c)	Arunachal Pradesh . . . . .	188	..	..	..	..	84	..	19	..
(d)	Chandigarh . . . . .	419	..	..	..	..	278	..	..	..
(e)	Dadra Nagar Haveli (R) . . . . .	56	..	..	..	..	74	..	..	..
(f)	Goa, Daman & Diu . . . . .	1,517	..	..	..	..	897	..	..	..
(g)	Lakshdweep . . . . .	..	5	..	..	..	..	..	326	..
(h)	Pondicherry . . . . .	1,836	8	..	..	..	98	..	..	..
	<b>ALL INDIA . . . . .</b>	<b>839,588</b>	<b>2,939</b>	<b>655</b>	<b>1,474</b>	<b>3,553</b>	<b>465,825</b>	<b>5,735</b>	<b>32,308</b>	<b>488</b>

TABLE No. 3.1—Contd.

Sl. No.	State/Power Corporation	33KV		44/37.5KV	78/66KV	110/90KV	132 KV	220 KV	230 KV	Total Circuit Kms.
		O.H.	U.G.	O.H.	O.H.	O.H.	O.H.	O.H.	O.H.	
1	2	12	13	14	15	16	17	18	19	20
1	Andhra Pradesh	6,825	..	..	2,967	..	3,856	1,144	..	125,524
2	Assam (B)	3,115	..	..	401	..	681	93	..	13,747
3	Bihar (R)	6,917	..	..	..	..	2,268	558	..	76,284
4	Gujarat	3,562	..	..	4,073	..	2585	1,292	..	83,341
5	Haryana	2,460	..	..	778	..	917	..	..	78,209
6	Himachal Pradesh	818	..	..	114	..	5	..	..	13,454
7	Jammu & Kashmir	600	..	..	232	..	190	..	..	7,852
8	Karnataka	2,763	..	..	2,771	3,569	..	2,109	..	167,915
9	Kerala	..	..	..	1,711	1350	..	316	..	40,312
10	Madhya Pradesh	12,530	..	6	322	..	4,016	1,406	..	96,930
11	Maharashtra	6,844	..	..	2,411	2,553(A)	2,757	1494	..	160,673
12	Manipur	200	..	..	..	..	..	..	..	1,435
13	Nagaland (R)	475	..	..	20	..	..	..	..	1,323
14	Orissa	5,157	..	..	339(C)	..	1,580(C)	147	..	27,589
15	Punjab	2,216	..	..	1,028	..	1,733	443	..	63,087
16	Rajasthan	8,730	..	..	415	..	2,376	919	..	64,215
17	Tamil Nadu	110	80	..	3,401	5,786	..	..	1,678	265,943
18	Tripura	231	..	..	..	..	148	..	..	1,107
19	Uttar Pradesh	11,466	77	3,537	2,789	..	4,840	2,281	..	177,744
20	West Bengal (R)	2,637	478	53	480	..	1,231	..	..	31,607
21	D.V.C.	455	..	..	..	..	2,532	..	..	2,987
<i>Union Territories</i>										
	(a) Delhi	248	237	..	..	..	..	52	..	111,190
	(b) A. N. Islands	..	..	..	..	..	..	..	..	223
	(c) Arunachal Pradesh	..	..	..	..	..	..	..	..	272
	(d) Chandigarh	..	..	..	..	..	..	..	..	716
	(e) Dadra Nagar Haveli (R)	..	..	..	..	..	..	..	..	130
	(f) Goa, Daman & Diu	320	..	..	..	68	..	..	..	2,802
	(g) Lakshdweep	..	..	..	..	..	..	..	..	5
	(h) Pondicherry	..	..	..	..	..	..	..	..	2,268
	ALL INDIA	78,679	872	3,543	24,252	13,326	31,715	12,254	1,678	1,518,884

Note :—(R) for Data Repeated (RR) Data repeated in respect of Electricity Board only.

(A) or 110 KV lines in respect of Maharashtra in 1972-73 General Review 6383 K.M. has been shown wrongly instead of 2503 K.M.

(B) In 1972-73 G.R 3-3/2.2 KV lines were wrongly shown in 6.6/50 Column.

(C) The reduction in length from 1972-73 G. R. figures is due to inclusion of Hirakund Transmission lines wrongly in 1972-73 publication.

(D) 10 Circuit K.M. of 132 KV in Delhi have been converted to 220 KV.

(E) 2,760 K.M. of 33 KV S.C. lines have not been reported by T.N.F.B. for 73-74.



TABLE No. 3.2

Statewise Length of Transmission and Distribution lines added during 1973-74 Circuit Kilometers (Net Additions)

Sl. No.	State/Power Corporation	Distribution lines upto 500 V.	3.3/2.2 KV		6.6/5 KV		15/11KV		22/20 KV	
			O.H.	U.G.	O.H.	U.G.	O.H.	U.G.	O.H.	U.G.
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	3,817	..	..	..	..	2,132	..	..	..
2	Assam	1,120	..	..	..	..	365	..	..	..
3	Bihar	94	(- )9	(- )3	(- )8	(- )5	1,349	(- )1	..	..
4	Gujarat	2,517	(- )2	10	6	..	2,076	(- )349	(- )921	..
5	Haryana	2,790	..	..	..	..	1,382	..	..	..
6	Himachal Pradesh	1,217	..	..	..	..	295	..	186	..
7	Jammu & Kashmir	500	..	..	30	..	500	..	..	..
8	Karnataka	10,593	(- )24	(- )9	..	..	2,262	17	..	..
9	Kerala	1,878	..	(- )55	(- )4	(- )11	518	8	..	..
10	Madhya Pradesh	5,346	(- )10	(- )1	(- )8	..	1,438	3	..	..
11	Maharashtra	10,119	(- )53	(- )90	(- )285	(- )10	3,985	656	7	(- )247
12	Manipur	..	..	..	..	..	Data not available	..	..	..
13	Nagaland	..	..	..	..	..	Data not available	..	..	..
14	Orissa	1,641	..	..	..	..	2,099	9	..	..
15	Punjab	4,005	..	..	..	..	1,692	4	..	..
16	Rajasthan	3,145	(- )1	..	(- )1	..	1,563	89	..	..
17	Tamil Nadu	9,993	(- )5	..	1	5	752	588	563	..
18	Tripura	24	..	..	..	..	50	..	..	..
19	U. P.	8,451	(- )6	(- )73	(- )8	9	6,719	40	(- )22	..
20	West Bengal	(- )406	(- )8	..	(- )95	21	(- )18	(- )2	..	(- )60
21	D.V.C.	..	..	..	..	..	..	..	..	..
<i>Union Territories</i>										
	(a) A & N Islands	82	..	..	10	..	..	(- )9	..	..
	(b) Arunachal Pradesh	188	..	..	..	..	84	..	..	..
	(c) Chandigarh	12	..	..	..	..	17	..	19	..
	(d) Dadra Nagar Haveli	..	..	..	..	..	..	..	..	..
	(e) Delhi	590	..	..	..	..	49	141	..	..
	(f) Goa Daman & Diu	176	..	..	..	..	76	..	..	..
	(g) Lakshdweep	..	..	..	..	..	..	..	..	..
	(h) Pondicherry	80	(- )4	..	..	..	11	..	8	..
<b>TOTAL ALL INDIA</b>		<b>67,972</b>	<b>(- )122</b>	<b>(- )311</b>	<b>(- )362</b>	<b>9</b>	<b>29,396</b>	<b>1,194</b>	<b>(- )160</b>	<b>(- )307</b>

TABLE 3.2—Contd.

S. No.	State/Power Corporation	33 KV		44/37.5 KV	78/66 KV	110/90 KV	132KV	220KV	230 KV	Total
		O.H.	UG.	O.H.	O.H.	O.H.	O.H.	O.H.	O.H.	
1	2	12	13	14	15	16	17	18	19	20
1	Andhra Pradesh	120	..	..	14	..	123	..	..	6,206
2	Assam <sup>②</sup>	71	..	..	..	..	..	..	..	1,556
3	Bihar	293	(-)35	..	..	..	..	..	..	1,675
4	Gujarat	92	..	..	307	..	98	312	..	4,146
5	Haryana	137	..	..	33	..	..	..	..	4,342
6	Himachal Pradesh	160	(-)23	..	27	..	..	..	..	1,862
7	Jammu & Kashmir	60	..	..	..	..	58	..	..	1,148
8	Karnataka	317	..	..	12	4	..	144	..	13,226
9	Kerala	..	..	..	42	..	..	..	..	2,376
10	Madhya Pradesh	1635	..	6	(-) 102	50	281	244	..	8,882
11	Maharashtra	(-)164	..	..	22	..	128	218	..	14,286
12	Manipur	..	..	..	..	..	..	DATA NOT AVAILABLE	DATA NOT AVAILABLE	..
13	Nagaland	..	..	..	..	..	..	DATA NOT AVAILABLE	DATA NOT AVAILABLE	..
14	Orissa	633	..	..	(-) 261	..	..	..	..	4,121
15	Punjab	47	..	..	(-) 40	..	..	28	..	5,653
16	Rajasthan	751	..	..	3	..	(-) 83	221	..	5,770
17	Tamil Nadu	..	80	..	157	40	..	..	..	12,174
18	Tripura	..	..	..	..	..	..	..	..	74
19	Uttar Pradesh	470	3	70	168	..	106	255	..	16,162
20	West Bengal	(-)40	3	..	..	..	..	..	..	(-)605
21	D.V.C.	8	..	..	..	..	16	..	..	24
<i>Union Territories</i>										
(a)	A. & N. Islands	..	..	..	..	..	..	..	..	83
(b)	Arunachal Pradesh	..	..	..	..	..	..	..	..	272
(c)	Chandigarh	(-) 19	..	..	..	..	..	..	..	29
(d)	Dadra Nagar Haveli	..	..	..	..	..	..	..	..	..
(e)	Delhi	8	14	..	..	..	(-) 10	10	..	802
(f)	Goa, Daman & Diu	..	..	..	..	..	..	..	..	252
(g)	Lakshdweep	..	..	..	..	..	..	..	..	..
(h)	Pondicherry	..	..	..	..	..	..	..	..	95
<b>TOTAL ALL INDIA</b>		<b>4,579</b>	<b>42</b>	<b>76</b>	<b>382</b>	<b>94</b>	<b>938</b>	<b>1,211</b>	<b>..</b>	<b>104,631</b>

Note—<sup>②</sup>—Includes Meghalaya State Figures also.

TABLE No. 3.3

Total No. of Transformers and Capacity (MVA) Added During the Year and as at the End of the Year 1973-74

Sl. No.	State/Power Corpn.	Step up Transformers				Step down Transformers with Secondary 500 V and above			
		Net addn. during year		At the end of 1973-74		Net addn. during year		At the end of 1973-74	
		No.	Aggregate Capacity M.V.A.	No.	Aggregate Capacity M.V.A.	No.	Aggregate Capacity M.V.A.	No.	Aggregate Capacity M.V.A.
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	..	..	510	1,033.55	8	261.33	683	4,490.90
2	Assam	2	1.01	47	244.42	14	51.07	161	461.59
3	Bihar (R)	..	..	47	839.28	2	87.14	397	1,696.86
4	Gujarat	..	..	58	1,043.77	117	922.89	525	3,757.89
5	Haryana	..	..	7	38.00	22	155.50	241	1,216.40
6	Himachal Pradesh	1	1.00	24	61.42	12	14.90	73	104.97
7	Jammu & Kashmir (R)	..	..	21	65.14	..	..	16	22.50
8	Karnataka (B)	..	..	74	1,117.80	..	280.50	348	2,740.00
9	Kerala	..	..	50	769.38	12	41.25	146	1,244.00
10	Madhya Pradesh	..	..	44	834.89	42	134.70	524	257.37
11	Maharashtra	..	..	112	2,867.93	54	332.30	774	5,048.51
12	Manipur (R)	..	..	15	8.65	..	..	..	..
13	Nagaland (R)	..	..	5	1.50	..	..	11	5.65
14	Orissa	2	140.27	22	950.76	44	82.30	220	1,025.00
15	Punjab	..	..	47	3,020.51	..	242.90	260	4,898.20
16	Rajasthan	1	3.50	49	282.54	40	87.25	519	1,541.56
17	Tamil Nadu	..	..	110	3,076.00	43	333.61	706	4,962.59
18	Tripura	1	0.40	11	3.60	..	..	4	5.00
19	Uttar Pradesh	..	114.63	143	1,792.73	72	723.56	1,159	6,515.08
20	West Bengal (RR)	..	..	109	636.09	19	754.63	390	3,121.60
21	D.V.C.	..	..	17	1,390.00	2	0.20	69	1,616.52
<i>Union Territories</i>									
	(a) Delhi	1	125.00	16	710.00	1	12.50	64	622.00
	(b) A & N Islands	..	..	6	2.49	..	..	..	..
	(c) Chandigarh	..	..	3	1.90	..	..	2	12.00
	(d) Dadra Nagar Haveli (R)	..	..	..	..	..	..	..	..
	(e) Goa, Daman & Diu	..	..	..	..	1	3.15	17	125.00
	(f) Lakshdweep (R)	1	..	1	0.05	..	..	1	0.02
	(g) Arunachal Pradesh	..	..	..	..	..	..	..	..
	(h) Pondicherry	..	..	..	..	..	..	..	..
		9	385.81	1,548	20,792.40	505	4,521.68	7,310	45,491.21

TABLE 3.3—Contd.

No.	State/Power Corpn.	Distribution Transformers with Secy. 500V & below		Distribution Transformers with Secy. 500V & below		TOTAL			
		Net Addn. during the year		At the end of 1973-74		Net Addn. during the year		At the end of 1973-74	
		No.	Aggregate capacity M.V.A.	No.	Aggregate Capacity M.V.A.	No.	Aggregate Capacity M.V.A.	No.	Aggregate Capacity M.V.A.
1	2	11	12	13	14	15	16	17	18
1	Andhra Pradesh	984	64.00	22,587	1,575.30	992	325.33	23,780	7,099.75
2	Assam	330	36.57	2,500	365.58	346	88.65	2,708	1,071.59
3	Bihar (R)	1,434	105.18	13,778	925.13	1,436	192.32	14,222	3,461.27
4	Gujarat	2,532	81.01	21,616	1,707.17	2,649	1,603.90	22,199	6,568.83
5	Haryana	1,068	113.80	20,865	1,504.15	1,090	269.03	21,113	2,758.55
6	Himachal Pradesh	90	8.67	1,492	87.47	103	24.57	1,589	253.86
7	Jammu & Kashmir (R)	..	..	721	75.32	..	..	758	162.96
8	Karnataka (B)	2,636	125.15	26,168	1,556.84	2,636	405.65	26,590	5,414.64
9	Kerala	443	26.58	8,522	596.11	455	67.83	8,718	2,609.49
10	Madhya Pradesh	1,780	144.06	14,864	1,156.73	1,822	278.76	15,432	2,248.99
11	Maharashtra	2,125	99.43	27,673	3,111.43(c)	2,179	431.73	28,559	11,027.87
12	Manipur (R)	..	..	133	7.98	..	..	148	16.63
13	Nagaland (R)	..	..	127	11.91	..	..	143	19.06
14	Orissa	923	96.60	5,464	461.31	969	319.37	5,706	2,437.07
15	Punjab	10	1.83	13,270(A)	910.73(A)	10	244.73	13,577	8,829.44
16	Rajasthan	1,065	103.80	10,991	968.56	1,106	194.55	11,559	2,792.66
17	Tamil Nadu	2,041	190.20	37,288	3,160.52	2,084	523.81	38,104	11,199.11
18	Tripura	21	1.75	165	13.70	22	2.15	180	22.30
19	Uttar Pradesh	2,711	293.13	80,620	3,392.81	2,783	1,131.32	81,922	11,700.62
20	West Bengal (RR)	655	50.39	4,983	529.93	674	805.02	5,482	4,287.62
21	D.V.C.	..	..	..	..	2	0.20	86	3,006.52
	<i>Union Territories</i>	14	9.97	1,735	473.03	16	147.47	1,815	1,605.03
	(a) Delhi	..	..	30	2.50	..	..	36	4.99
	(b) A & N Islands	..	..	242	57.90	..	..	247	71.80
	(c) Chandigarh	..	..	22	1.45	..	..	22	1.45
	(d) Dadra Nagar Haveli (R)	..	..	551	38.55	135	12.07	568	163.55
	(e) Goa Daman & Diu	134	8.86	1	0.02	1	..	3	0.09
	(f) Lakshadweep (R)	..	..	11	1.50	..	..	11	1.50
	(g) Arunachal Pradesh	..	..	409	40.98	..	..	409	40.98
	(h) Pondicherry	..	..	..	..	..	..	..	..
	<b>TOTAL</b>	<b>20,996</b>	<b>1,561.18</b>	<b>316,828</b>	<b>22,734.61</b>	<b>21,510</b>	<b>6,468.73</b>	<b>325,686</b>	<b>89,018.22</b>

TABLE No. - 3.4

Important transformers Commissioned during the year 1973-74 (Utilities)

Sl. No.	State/Power Corpn.	Voltage ratio (KV)	Unit capacity (MVA)	No.	Aggregate capacity (MVA)	Remarks
1	2	3	4	5	6	7
1	<b>Andhra Pradesh</b>					
	Andhra Pradesh State Electy. Board	220/132 220/132 132/33/11 132/33 132/33 132/11 132/11 33/11	100.0 33.3 25.0 50.0 15.0 12.5 7.5 5.0	3 1 2 1 1 1 1 6	300.0 33.3 50.0 50.0 15.0 12.5 7.5 30.0	
2	<b>Assam</b>					
	Assam State Electy. Board.	132/3.3 66/33 -do- 33/11	5.0 10.0 5.0 5.0	1 1 1 1	5.0 10.0 5.0 5.0	
3	<b>Bihar</b>					DATA NOT AVAILABLE
4	<b>Gujarat</b>					
	Gujarat Electy. Board	66/132 11/69.3 132/66 132/66 132/33 66/33 66/33/11 66/33/11 66/22 66/22 66/22 66/11 66/11 66/11 33/11	20.0 7.5 40.0 20.0 20.0 5.0 10.0 5.0 15.0 10.0 5.0 10.0 7.5 5.0 5.0	1 1 2 2 1 1 1 1 2 2 4 7 2 15 7	20.0 7.5 80.0 40.0 20.0 5.0 10.0 5.0 30.0 20.0 20.0 70.0 15.0 75.0 35.0	
	Ahmadabad Electy. Co.	66/11	12.5	3	37.5	
5	<b>Haryana</b>					
	Haryana State Electy. Board	132/33/11 66/33/11 66/33 66/11 66/11 33/11	8.0 12.0 6.0 7.5 16.0 12.5	1 1 1 8 3 2	8.0 12.0 6.0 60.0 48.0 25.0	
6	<b>Himachal Pradesh</b>					
	Himachal Pradesh State Electy. Board	66/33	6.0	1	6.0	
7	<b>Jammu &amp; Kashmir</b>					DATA NOT AVAILABLE
8	<b>Karnataka</b>					
	Karnataka State Electy. Board	220/110 -do- 110/13.2/ 11	100.0 75.0 0.5 to 20.0	1 2 4	100.0 150.0 40.0	

TABLE No. 3.4—Contd.

1	2	3	4	5	6
	Karnataka State Electy. Board—Contd.	110/33/11	5.0 to 10.0	6	60.0
		66/33	1.5 to 8.0	4	29.0
		66/13.2/11	0.1 to 12.5	16	74.0
9	<i>Kerala</i>				
	Kerala State Electy. Board	66/11	N.A.	7	38.0
10	<i>Madhya Pradesh</i>				
	Madhya Pradesh State Electy. Board	132/33	N.A.	6	68.7
11	<i>Maharashtra</i>				
	Maharashtra State Electy. Board	132/66	12.5	1	12.5
		132/33	25.0	1	25.0
		132/33	10.0	6	60.0
		132/11	10.0	4	40.0
		110/33	10.0	1	10.0
		110/33	7.5	1	7.5
		66/33	10.0	3	30.0
		66/33	5.0	1	5.0
		66/11	10.0	3	30.0
		66/11	5.0	9	45.0
		33/	5.0	6	30.0
	Thana Electric Supply Co.	22/11	10.0	1	10.0
12	<i>Orissa</i>				
	Orissa State Electy. Board				
		132/33/11	20.0	1	20.0
		132/33/11	35.0	4	140.0
		132/11	7.5	1	7.5
		132/11	12.5	1	12.5
		132/11	10.5	2	21.0
		33/11	6.2	2	12.4
		66/11	5.0	2	10.0
		11/0.4/3.7	12.6	2	25.2
13	<i>Punjab</i>				
	Punjab State Electy. Board				
		11/132	16.7	1	16.7
		220/66.33/11	16.7	3	50.1
		132/66	40.0	1	40.0
		132/33	16.0	1	16.0
		132/33	12.5	1	12.5
		132/11	10.0	1	10.0
		66/11	5.0	1	5.0
		66/11	12.5	2	25.0
		66/33/11	8.0	2	16.0
		66/11	20.0	1	20.0
		66/11	12.5	1	12.5
		66/11	8.0	4	32.0
		33/11	5.0	2	10.0
		33/11	8.0	2	16.0
		33/11	12.5	3	37.5
	Bhakra Management Board	66/220	50.0	1	50.0
14	<i>Rajasthan</i>				
	Rajasthan State Electy. Board				
		220/33	35.0	1	35.0
		33/11	5.0	1	5.0

TABLE No. 3.4—Contd.

1	2	3	4	5	6	7
15	<i>Tamil Nadu</i> Tamil Nadu Elec. Board	110/60 110/60 110/66-22/11 110/33-11 110/33-22 110/22 110/22 110/22-11 110/22-11 110/22-11 110/11 66/33-11 66/22 66/22/11 66/22/11 33/11	25·0 5·0 10·0 10·0 10·0 10·0 5·0 25·0 10·0 5·0 10·0 5·0 5·0 5·0 10·0 5·0 5·0 5·0	2 2 2 5 2 1 2 2 3 4 4 1 1 4 1 5	50·0 10·0 20·0 50·0 20·0 10·0 10·0 50·0 30·0 20·0 40·0 5·0 5·0 40·0 5·0 25·0	
16	<i>Uttar Pradesh</i> Uttar Pradesh State Elec. Board	10·5/ 220 11/66 220/132 132/66 132/37·5 132/33 33/11	110·0 12·0 100·0 20·0 10·0 20·0 5·0	1 2 3 1 1 10 15	110·0 24·0 300·0 20·0 10·0 200·0 75·0	
17	<i>West Bengal</i> West Bengal State Elec. Board C.E.S.C.		D A T A N O T A V A I L A B L E 33/6·0			
18	<i>Delhi</i> Badarpur Power Stn.	10·5/220	125·0	1	125·0	

**TECHNICAL STATISTICS**

**SECTION 4**

**UTILISATION**

**SUB-SECTION 4.1—UTILITIES**

**SUB-SECTION 4.2—SELECTED INDUSTRIES (INCLUDING RAILWAYS**

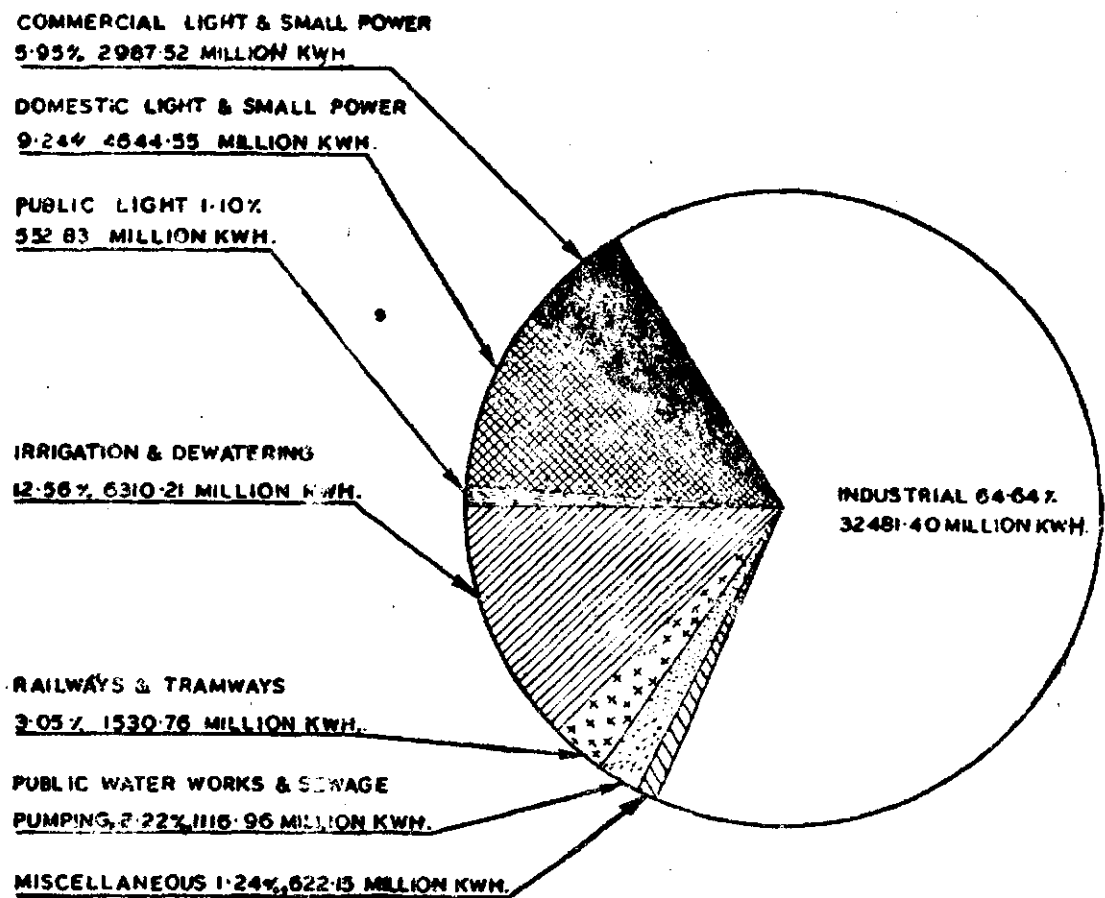


TABLE No. 4.1.1

*Electricity Generated, Purchased, sold and Energy losses— All India Utilities—1973-74*

Sl. No.	Item	Energy (Million kWh)	As percentage of Item 5
1	2	3	4
1	Energy generated (gross) (Utilities) . . . . .	66,689.03	105.54
2	Energy used by power station auxiliaries . . . . .	3,615.43	5.72
3	Energy generated (Net) —(1) —(2) . . . . .	63,073.60	99.82
4	Energy purchased from non-utilities . . . . .	114.87	0.18
5	Energy available for supply—(3)+(4) . . . . .	63,188.47	100.00
	Energy sold to Ultimate consumers . . . . .	50,246.38	79.52
7	Energy sold to the other countries (Nepal) & (Bhutan) . . . . .	10.97	0.02
8	Energy lost in transformation transmission and distribution and unaccounted for (5)—(6)+(7) . . . . .	12,931.12	20.46

## ENERGY SALES 1973-74 UTILITIES ONLY



TOTAL SALES DURING THE YEAR  
50246.38 (100%) MILLION KWH.

TABLE No. 4.1.2

*Energy Sales 1973-74 (Categorywise)*

S No.	Category	Energy sold in 1973-74 (MKWH)	Percentage to totalsales	Energy sold in 1972-73 (MKWH)	Percentage increase over year 1972-73
1	2	3	4	5	6
1	Domestic . . . . .	4,644.55	9.24	4,309.01	7.79
2	Commercial . . . . .	2,987.52	5.95	2,782.19	7.38
3	Industrial power . . . . .	32,481.40	64.64	32,244.21	0.73
4	Public Lighting . . . . .	552.83	1.10	520.20	6.27
5	Railway/Tramways . . . . .	1,530.76	3.05	1,830.57	(- )16.38
6	Agriculture . . . . .	6,310.21	12.56	5,918.10	6.63
7	Public Water Works & Sewage Pumping . . . . .	1,116.96	2.22	1,094.14	2.09
8	Miscellaneous . . . . .	622.15	1.24	389.64	59.67
	<b>TOTAL</b>	<b>50,246.38</b>	<b>100.00</b>	<b>49,088.06</b>	<b>2.36</b>

TABLE No. 4.1.3

Sectorwise energy sales to Ultimate Consumers during the year 1973-74

Sl. No.	State/U.T.	Total Energy sold to ultimate consumers within the State/U.T. (M.K.W.H.)	PUBLIC SECTOR				PRIVATE SECTOR				
			Total energy sold to ultimate consumers by state elec. board		Total energy sold to ultimate consumers by Municipalities		Total energy sold to ultimate consumers by Govt. Deptt./Power Corpn./Govt. undertakings/Central Govt. Project		Total energy sold to ultimate consumers by Pvt. Licensees/rural cooperatives.		
			Million Kwh	% of col.3	Million Kwh	% of col.3	Million Kwh.	% of col.3	Million Kwh.	% of col.3.	
1	2	3	4	5	6	7	8	9	10	11	
1.	Andhra Pradesh	2,472.64	2,456.90	99.36	..	..	..	..	..	15.74	0.64
2.	Assam	380.25	367.78	96.72	..	..	..	..	..	12.74	3.28
3.	Bihar	2,687.26	1,468.47	54.65	..	..	..	..	..	406.15	15.11
4.	Gujarat	4,405.36	2,477.59	61.24	69.05	1.71	812.64	30.24	..	1,498.72	37.05
5.	Haryana	1,401.33	1,401.33	100.00	..	..	..	..	..	..	..
6.	Himachal Pradesh	200.50	200.50	100.00	..	..	..	..	..	..	..
7.	Jammu & Kashmir	208.50	208.50	100.00	..	..	..	..	..	..	..
8.	Karnataka	3,633.57	3,587.12	98.72	..	..	..	..	..	..	1.28
9.	Kerala	1,792.48	1,749.42	97.60	10.00	0.56	..	..	..	46.45	1.84
10.	Madhya Pradesh	2,541.21	2,471.91	97.27	..	..	..	..	..	33.06	2.73
11.	Maharashtra	8,812.31	3,431.48	38.94	1,063.17	12.06	108.30	1.23	..	69.30	47.77
12.	Manipur (R)	8.91	..	..	..	..	8.91	100.00	..	14,209.36	..
13.	Nagaland 'L'	18.68	..	..	..	..	18.68	100.00	..	..	..
14.	Orissa	1,557.82	1,552.56	99.66	..	..	5.26	0.34	..	..	..
15.	Punjab	2,772.61	1,605.44	57.90	77.69	2.80	1,085.44	39.15	..	4.04	0.15
16.	Rajasthan	1,328.31	1,300.28	97.89	..	..	..	..	..	28.03	2.11
17.	Tamil Nadu	5,513.23	4,922.00	89.28	103.63	1.88	216.00	3.92	..	271.60	4.92
18.	Tripura	9.95	..	..	..	..	9.95	100.00	..	..	..
19.	Uttar Pradesh	4,151.97	3,724.06	89.69	101.07	2.44	..	..	..	326.84	7.87
20.	West Bengal	5,063.79	1,209.30	23.88	7.55	0.15	782.89	15.46	..	13,063.95	60.51
<i>Union Territories</i>											
	(a) Andaman & Nicobar	3.47	..	..	..	..	3.47	100.00	..	..	..
	(b) Chandigarh	88.47	..	..	..	..	88.47	100.00	..	..	..
	(c) Dadra & N. Haveli (R)	1.18	..	..	..	..	1.18	100.00	..	..	..
	(d) Delhi	1,337.77	..	..	1,337.77	100.00	..	..	..	..	..
	(e) Goa, Daman & Diu	19.16	..	..	..	..	119.16	100.00	..	..	..
	(f) Lakshadweep (R)	0.30	..	..	..	..	0.30	100.00	..	..	..
	(g) Pondicherry	92.91	..	..	..	..	92.91	100.00	..	..	..
	(h) Arunachal Pradesh	2.44	..	..	..	..	2.44	100.00	..	..	..
	<b>TOTAL</b>	<b>50,246.38</b>	<b>34,134.64</b>	<b>67.94</b>	<b>2,770.03</b>	<b>5.51</b>	<b>3,356.00</b>	<b>6.68</b>	<b>9,985.71</b>	<b>19.87</b>	

NOTE—(R)—Data repeated.

'L'—Estimated.

TABLE NO. 4.1.4

Statewise energy sales to ultimate consumers — 1973-74 (M.kwh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial power at Low & med. voltage	Industrial Power at High voltage	Public Lighting	Traction	Agricultural	Public water works and Sewage pumping	Misc.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Andhra Pradesh	2,472.64	211.02	243.34	178.72	1,158.10	29.07	..	587.89	52.00	12.50
2.	Assam	380.25	43.55	78.43(F)	51.48	133.44	4.48	..	2.00	6.50	60.37(A)
3.	Bihar(H)	2,687.26	110.55	117.13	416.74	1,589.86	6.45	322.87	73.81	42.05	7.80
4.	Gujarat	4,045.36	317.33	146.32	423.76	2,355.39	46.38	..	627.87	110.90	17.41
5.	Haryana	1,401.33	87.81	76.81	194.11	303.60	4.98	..	528.51(K)	..	5.51
6.	Himachal Pradesh	200.50	38.57	20.44	25.60	5.28	1.66	..	1.40	12.32	95.25(A)
7.	Jammu & Kashmir	208.50	74.00	21.00	72.00	..	4.50	..	16.00	21.00	..
8.	Karnataka	3,633.57	304.76	75.43	349.81	2,463.16	77.76	..	259.32	103.29	0.04
9.	Kerala	1,792.48	155.06	90.13	175.55(D)	1,226.60	29.64	..	91.72	16.95	6.83(E)
10.	Madhya Pradesh	2,541.21	163.39	138.95	176.15	1,781.03	27.70	58.03	125.88	70.08	..
11.	Maharashtra	8,812.31	830.43	562.42	833.71	5,246.95	82.44	505.11	487.60	157.97	105.68
12.	Manipur	8.91	7.46	0.05	1.25	..	0.15	..	..	..	..
13.	Nagaland	18.68	8.25	5.28	2.59	0.54	1.06	..	..	0.68	0.28
14.	Orissa	1,557.82	47.40	40.83	43.72	1,313.00	6.95	49.75	7.90	21.65	26.62
15.	Punjab	2,772.61	209.43	96.71	304.40	1356.89(G)	9.07	..	709.68(J)	4.86	81.57(C)
16.	Rajasthan	1,328.31	94.39	76.05	150.42	613.49	12.73	..	281.27	80.17	19.79
17.	Tamil Nadu	5,513.23	390.27	477.61	344.61	2,369.14	78.23	77.66	11,604.78	46.28	124.65
18.	Tripura	9.95	5.40	0.66	2.01	..	20.63	..	0.25	..	1.00
19.	Uttar Pradesh	4,151.97	403.81	125.21	440.09	2,004.61	26.69	166.85	840.95	190.15	53.61
20.	West Bengal(H)	5,063.79	704.07	277.18	309.66	3,209.66	37.37	350.49	30.10	145.14	0.12
<i>Union Territories</i>											
(a)	A. N. Islands	3.47	2.30	0.45	0.33	..	0.10	..	neg.	0.07	0.22
(b)	Arunachal Pradesh	2.44	1.85	0.10	0.33	..	0.16	..	..	..	..
(c)	Chandigarh	88.47	17.13	20.41	15.00	21.23	1.58	..	0.95	12.13	0.04
(d)	Dadra & Nagar Haveli	1.18	0.23	0.17	0.11	0.50	0.07	..	0.08	0.02	..
(e)	Delhi (R)	1,337.77	396.76	285.14	115.85	371.91	59.91	..	6.18	102.72	..
(f)	Goa, Daman & Diu.	119.16	11.91	6.63	6.40	73.29	1.43	..	0.33	16.29	2.88
(g)	Lakshdweep(R)	0.30	0.18	0.09	0.02	..	0.01	..	..	..	..
(h)	Pondicherry	92.91	7.24	4.55	6.35	43.66	11.63	..	25.74	3.74	..
<b>TOTAL</b>		<b>50,246.38</b>	<b>4,644.55</b>	<b>2987.52</b>	<b>4,640.77</b>	<b>27,840.63</b>	<b>552.83</b>	<b>1,530.76</b>	<b>6,310.21</b>	<b>1,116.96</b>	<b>622.15</b>

NOTE :—(R) —Repeated (A) —Includes Tea gardens consumption of 57.87 M.U.  
 (B) —Includes supply to projects sold by A.S.E.B.  
 (C) —Includes supply to panchayats etc. by P.S.E.B. which cannot be segregated.  
 (D) —Include supply to Tea gardens by K.S.E.B.  
 (E) —Cochin Port Trust consumption (6.80MU) is shown in Misc.  
 (F) —Includes supply to A.I.R. defence etc. by A.S.E.B. for which break up is not available.  
 (G) —Includes N.F.F. consumption.  
 (H) —Includes D.V.C.'s sales to ultimate consumption within the state.  
 (J) —Includes public water works of Punjab State Elec. Board and I.B. consumption of B.M.B.  
 (K) —Includes Public water works consumption.

TABLE NO. 4.1.5

## Energy Sales by the state Electricity Boards--1973-74 (Million kwh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial power at low & Med. Voltage	Industrial Power at High voltage	Public Lighting	Traction	Agricultural	Public water works & Sewage pumping	Misc.
1	2	3	4	5	6	7	8	9	10	11	12
1.	Andhra Pradesh	2,456.90	210.40	243.10	177.70	1,158.10	28.90	..	574.20	52.00	12.50
2.	Assam	367.78	39.05	73.21(F)	49.13	138.44	4.08	..	2.00	6.50	60.37(A)
3.	Bihar	1,468.47	59.81	58.48	163.91	882.27	3.07	199.76	70.67	30.50	..
4.	Gujarat	2,477.59	167.93	29.89	237.74	1,360.31	28.64	..	608.02	45.06	..
5.	Haryana	1,401.33	87.81	76.81	194.11	503.60	4.98	..	528.51(H)	..	5.51
6.	Himachal Pradesh	200.50	38.57	20.44	25.60	5.28	1.66	..	1.40	12.32	95.23(B)
7.	Jammu & Kashmir	208.50	74.00	21.00	72.00	..	4.50	..	16.00	21.00	..
8.	Karnataka	3,587.12	292.58	68.46	332.77	2,461.87	76.15	..	256.52	98.77	..
9.	Kerala	1,749.42	144.42	84.56	167.78(D)	1,213.44	27.93	..	51.72	16.77	6.80(E)
10.	Madhya Pradesh	2,471.91	152.02	125.25	165.65	1,752.20	25.85	58.03	125.75	67.16	..
11.	Maharashtra	3,431.48	239.33	123.39	255.10	1,983.38	40.24	74.43	484.45	129.09	102.27
12.	Manipur	1,552.56	47.40	40.83	43.72	1,313.00	6.95	49.75	7.90	21.65	21.36
13.	Nagaland	1,605.44	188.09	82.63	276.23	295.16(G)	7.31	..	709.44(H)	..	46.58(C)
14.	Orissa	1,300.28	30.14	65.78	147.20	608.29	12.01	..	279.68	77.56	19.62
15.	Punjab	4,922.00	314.00	409.00	263.00	2,088.00	65.00	71.00	1,553.00	38.00	121.00
16.	Rajasthan	3,724.66	279.70	60.75	319.22	1,940.72	16.01	165.59	827.42	63.42	51.41
17.	Tamil Nadu	12,09.30	67.40	55.30	85.40	697.80	6.40	256.40	30.10	10.50	..
	<b>TOTAL</b>	<b>31,134.64</b>	<b>2,492.65</b>	<b>1,638.70</b>	<b>2,972.26</b>	<b>18,396.86</b>	<b>359.68</b>	<b>874.96</b>	<b>6,166.78</b>	<b>690.30</b>	<b>542.45</b>

NOTE :- @—Does not include sale by D.V.C. to ultimate consumers in Bihar, West Bengal valley area.

(A)—Includes Tea Garden Consumption of 57.87 MU sold by ASEB.

(B)—Includes supply to projects.

(C)—Includes supply to Tea Garden by K.S.E.B.

(D)—Includes supply to panchayat etc. by P.S.E.B. which cannot be segregated.

(E)—Cochin Port Trust consumption (6.80MU) is shown here.

(F)—Includes Supply to A.I.R. defence etc. by A.S.E.B. for which break up is not available.

(G)—Consumption by N.F.F. is not included here.

(H)—Includes public water works consumption also.

TABLE No. 4.1.6

## Energy Sales by Private Sector — 1973-74 (Million KWh)

Sl. No	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial Power at low and Medium Voltage	Industrial Power at High voltage	Public lighting	Traction	Agricultural	Public water works and Sewage pumping	Miscellaneous
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	15.74	0.62	0.24	1.02	..	0.17	..	13.39	..	..
2	Assam	12.47	4.50	5.22	2.35	..	0.40	..	..	..	..
3	Bihar	406.15	50.74	58.62	252.83	25.80	3.38	..	3.14	11.55	0.09
4	Gujarat	1,498.72	128.47	112.99	176.19	967.77	15.06	..	17.06	63.80	17.38
5	Haryana	..	..	..	..	..	..	..	..	..	..
6	Himachal Pradesh	..	..	..	..	..	..	..	..	..	..
7	Jammu & Kashmir	..	..	..	..	..	..	..	..	..	..
8	Karnatka.	46.25	12.18	6.97	17.04	1.29	1.61	..	2.80	4.52	0.04
9	Kerala	33.06	5.82	4.78	8.13	13.16	0.96	..	..	0.18	0.03
10	Madhya Pradesh	69.30	11.37	13.70	10.50	28.83	1.85	..	0.13	2.92	..
11	Maharashtra	4,209.36	264.46	102.60	361.82	3,117.40	21.59	328.00	2.49	10.75	0.25
12	Manipur	..	..	..	..	..	..	..	..	..	..
13	Nagaland	..	..	..	..	..	..	..	..	..	..
14	Orissa	..	..	..	..	..	..	..	..	..	..
15	Punjab	4.04	1.58	0.78	1.42	..	0.14	..	0.12	..	..
16	Rajasthan	28.03	4.24	10.27	3.22	5.19	0.73	..	1.59	2.62	0.17
17	Tamil Nadu	271.60	49.30	36.01	59.51	52.37	10.77	6.66	50.47	6.20	0.31
18	Uttar Pradesh.	326.84	80.09	47.27	95.59	63.78	6.27	1.26	13.08	17.34	2.16
19	West Bengal	3,063.95	629.71	219.40	221.88	1,806.64	30.61	30.00	..	125.71	..
20	Goa, Daman & Diu	..	..	..	..	..	..	..	..	..	..
	TOTAL	9,985.71	1,243.08	618.85	1,211.50	6,082.23	93.54	365.92	104.57	245.59	20.43

TABLE No. 4.1.7.

Energy Sales to Ultimate Consumers by Organisations other than Board & PVT. Licensees (Sales by Central Govt., State Govt. & Municipal Electricity Departments) - 1973-74 (Million KWh)

Sl. No.	State	Total sold to ultimate consumers	Domestic	Commercial	Industrial power at low and medium voltage	Industrial power at high voltage	Public lighting	Traction	Agricultural	Public water works and Sewage pumping	Misc.
1	2	3	4	5	6	7	8	9	10	11	12
<b>A. Municipalities</b>											
1	Gujarat . . . . .	69.05	20.93	3.44	9.83	27.31	2.68	..	2.79	2.04	0.03
2	Maharashtra . . . . .	1,063.17	326.64	334.16	216.79	146.17	20.61	..	0.66	18.13	0.01
3	Punjab . . . . .	77.69	19.77	13.30	26.74	2.43	1.62	..	0.12	4.86	8.85
4	Tamil Nadu . . . . .	103.63	26.97	32.60	22.10	12.77	2.46	..	1.31	2.08	3.34
5	Uttar Pradesh . . . . .	101.07	44.02	17.37	25.28	0.11	4.41	..	0.45	9.39	0.04
6	West Bengal . . . . .	7.65	4.33	1.64	1.18	..	0.22	..	..	0.28	..
7	DESU & NDMC (DELHI) . . . . .	1,337.77	396.76	285.14	115.85	371.21	59.91	..	6.18	102.72	..
8	Kerala . . . . .	10.00	4.82	0.79	3.64	..	0.75	..	..	..	..
<b>B. Corpn. &amp; Govt. Depts.</b>											
1	D. V. C. in Bihar . . . . .	812.64	..	0.03	..	681.79	..	123.11	..	..	7.71
2	D. V. C. in West Bengal . . . . .	590.39	..	0.03	..	526.15	..	64.09	..	..	0.12
3	Punjab (Bhakra Management Board) . . . . .	1,059.30	..	..	..	1,059.30	..	..	..	..	5.26
<b>C. States</b>											
1	Manipur . . . . .	8.91	7.46	0.05	1.25	..	..	..	..	..	..
2	Maharashtra (Chota) . . . . .	108.30	..	2.27	..	..	0.15	..	..	..	..
3	Nagaland . . . . .	18.68	8.25	5.28	2.59	..	..	102.68	..	..	3.35
4	Orissa (Balimela Project) . . . . .	5.26	..	..	..	0.54	1.06	..	..	0.68	0.28
5	Tamil Nadu (Neyveli) . . . . .	216.00	..	..	..	216.00	..	..	..	..	..
6	Tripura . . . . .	9.95	5.40	0.66	2.01	..	0.63	..	0.25	..	1.00
7	West Bengal . . . . .	192.50	2.63	0.81	1.20	179.07	0.14	..	..	8.65	..
8	Punjab . . . . .	26.14	..	..	..	..	..	..	..	..	26.14
<b>D. Union Territories</b>											
1	A. & N. Island . . . . .	3.47	2.30	0.45	0.33	..	0.10	..	Neg.	0.07	0.22
2	Arunachal Pradesh . . . . .	2.44	1.85	0.10	0.33	..	0.16	..	..	..	..
3	Chandigarh . . . . .	88.47	17.13	20.41	15.00	21.23	1.58	..	0.95	12.13	0.04
4	Dadra Nagar Haveli (R) . . . . .	1.18	0.23	0.17	0.11	0.50	0.07	..	0.08	0.02	..
5	Goa, Daman & Diu . . . . .	119.16	11.91	6.63	6.40	73.29	1.43	..	0.33	16.29	2.88
6	Lak-hadweep (R) . . . . .	0.30	0.18	0.09	0.02	..	0.01	..	..	..	..
7	Pondicherry . . . . .	92.91	7.24	4.55	6.35	43.66	1.63	..	25.74	3.74	..
<b>TOTAL</b>		<b>6,126.03</b>	<b>908.82</b>	<b>729.97</b>	<b>457.00</b>	<b>3,361.53</b>	<b>99.62</b>	<b>289.88</b>	<b>38.86</b>	<b>181.08</b>	<b>59.27</b>



TABLE No. 4.1.8

Annual per capita consumption of Electricity—of 1973-74 (in Kilo Watt hours)

Sl. No.	State	Population (Million) Mid Financial year (based on 1971 census) (As on Sep. 1973)	UTILITIES						kWh from self generation of non-utilities	Total (Col. 9 +10)
			Domestic	Commercial	Industrial including public water works & Misc. and Traction	Public Lighting	Agricultural Pumping	Total		
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	45.531	4.63	5.34	30.78	0.64	12.91	54.30	6.28	60.58
2	Assam (Includes Meghalaya & Mizoram)	17.128	2.54	4.58	14.70	0.26	0.12	22.20	3.40	25.60
3	Bihar	58.937	1.87	1.99	40.37	0.11	1.25	45.59	25.44	71.03
4	Gujarat	28.388	11.18	5.15	102.42	1.63	22.12	142.50	11.10	153.60
5	Haryana	10.533	8.34	7.29	66.76	0.47	50.18	133.04	7.74	140.78
6	Himachal Pradesh	3.520	10.96	5.81	39.32	0.47	0.40	56.96	..	56.96
7	Jammu & Kashmir	4.853	15.25	4.33	19.16	0.93	3.29	42.96	..	42.96
8	Karnataka	30.761	9.91	2.45	94.80	2.53	8.43	118.12	2.83	120.95
9	Kerala	22.529	6.88	4.00	63.29	1.32	4.07	79.56	5.19	84.75
10	Madhya Pradesh	44.272	3.69	3.14	47.10	0.63	2.84	57.40	11.02	68.42
11	Maharashtra	53.155	15.62	10.58	128.86	1.55	9.17	165.78	3.82	169.60
12	Manipur	1.127	6.62	0.04	1.11	0.13	..	7.90	..	7.90
13	Nagaland	0.535	15.42	9.87	7.64	1.93	..	34.91	..	34.91
14	Orissa	23.095	2.05	1.77	62.99	0.30	0.34	67.45	25.40	92.85
15	Punjab	14.121	14.83	6.85	123.77	0.64	50.26	196.35	0.16	196.51
16	Rajasthan	27.267	3.46	2.79	31.68	0.47	10.31	48.71	12.42	61.13
17	Tamil Nadu	43.141	9.05	11.07	86.67	1.81	37.20	127.80	5.45	133.25
18	Tripura	1.639	3.29	0.40	1.84	0.39	0.15	6.07	..	6.07
19	Uttar Pradesh	92.139	4.38	1.36	29.90	0.29	9.13	45.06	12.81	57.87
20	West Bengal	46.981	14.99	5.90	85.46	0.79	0.64	107.78	8.07	115.85
<i>Union Territories</i>										
	(a) A. & N. Islands	0.121	19.01	3.72	51.12	0.83	..	28.68	..	28.68
	(b) Arunachal Pradesh	0.468	3.95	0.21	0.71	0.34	..	5.21	..	5.21
	(c) Chandigarh	0.269	63.68	75.87	179.93	5.87	3.53	328.88	..	328.88
	(d) D. & N. Haveli	0.079	2.91	2.15	7.98	0.89	1.01	14.94	..	14.94
	(e) Delhi	4.542	87.35	62.78	129.85	13.19	1.36	294.53	21.26	315.79
	(f) Goa Daman & Diu	0.902	13.20	7.35	109.60	1.59	0.37	132.11	0.51	132.62
	(g) Lakshdweep	0.034	5.29	2.65	0.59	0.29	..	8.82	..	8.82
	(h) Pondicherry	0.496	14.60	9.17	108.37	3.29	51.89	187.32	..	187.32
<b>TOTAL ALL INDIA</b>		<b>576.563</b>	<b>8.06</b>	<b>5.18</b>	<b>62.01</b>	<b>0.96</b>	<b>10.94</b>	<b>87.15</b>	<b>10.33</b>	<b>97.48</b>

TABLE NO. 4.1.9

Statement showing inter-state Transfer of Power-Region Wise (1973-74)

Sl. No.	Name of Supplier	Name of Purchaser	Max. demand MVA/MW	Units Transferred
1	2	3	4	5
<b>A. Northern Region</b>				
1	Haryana State Elec. Board . . . . .	H. P. Elec. Board . . . . .	N.A.	3.80
2	Haryana State Elec. Board . . . . .	Rajasthan State Elec. Board . . . . .	N.A.	0.40
3	H. P. Elec. Board . . . . .	Punjab State Elec. Board . . . . .	N.A.	154.04
4	Delhi Elec. Supply Undertaking . . . . .	U. P. State Elec. Board . . . . .	N.A.	5.75
5	Delhi Elec. Supply Undertaking . . . . .	Haryana State Elec. Board . . . . .	N.A.	84.12
6	Rajasthan S. E. B. . . . .	U. P. State Elec. Board . . . . .	60.0 MVA	15.01
7	U. P. S. E. B. . . . .	Delhi Elec. Supply Undertaking . . . . .	N.A.	1.66
<b>B. Western Region</b>				
8	Gujarat Elec. Board . . . . .	Dadra & Nagar Haveli . . . . .	0.60 MVA	1.79
9	Gujarat Elec. Board . . . . .	Goa, Daman & Diu . . . . .	2.07 MVA	3.77
10	Gujarat Elec. Board . . . . .	Maharashtra State Elec. Board . . . . .	N.A.	127.35
11	Madhya Pradesh State Elec. Board . . . . .	Maharashtra State Elec. Board . . . . .	26.6 MW	19.06
12	Maharashtra State Elec. Board . . . . .	Madhya Pradesh State Elec. Board . . . . .	7.50 MVA	10.60
13	Maharashtra State Elec. Board . . . . .	Govt. of Goa, Daman & Diu . . . . .	4.02 MVA	4.86
14	Maharashtra State Elec. Board . . . . .	Gujarat Elec. Board . . . . .	N.A.	0.40
<b>C. Southern Region</b>				
15	Tamil Nadu State Elec. Board . . . . .	Karnataka Elec. Board . . . . .	2.26 M.W.	175.94
16	Tamil Nadu State Elec. Board . . . . .	Kerala State Elec. Board . . . . .	N.A.	1.17
17	Tamil Nadu State Elec. Board . . . . .	Govt. of Pondicherry . . . . .	28.70 MVA	104.55
18	Tamil Nadu State Elec. Board . . . . .	A. P. State Elec. Board . . . . .	N.A.	29.50
19	Karnataka Elec. Board . . . . .	A. P. State Elec. Board . . . . .	N.A.	66.91
20	Karnataka Elec. Board . . . . .	Tamil Nadu State Elec. Board . . . . .	150 M.W.	124.01
21	A. P. State Elec. Board . . . . .	Tamil Nadu State Elec. Board . . . . .	N.A.	0.30
22	A. P. State Elec. Board . . . . .	Karnataka State Elec. Board . . . . .	N.A.	80.08
23	Karnataka Elec. Board . . . . .	Kerala Elec. Board . . . . .	N.A.	0.01
24	Kerala State Elec. Board . . . . .	Tamil Nadu State Elec. Board . . . . .	N.A.	314.03
25	Kerala State Elec. Board . . . . .	Govt. of Pondicherry . . . . .	0.87 MVA	13.85
26	Kerala State Elec. Board . . . . .	Karnataka State Elec. Board . . . . .	N.A.	0.24
<b>D. Eastern Region</b>				
27	Bihar State Elec. Board . . . . .	Damodar Valley Corpn. . . . .	N.A.	48.94
28	West Bengal State Elec. Board (Bardoloi) @ . . . . .	Damodar Valley Corpn. . . . .	N.A.	22.65
29	West Bengal State Elec. Board (Bardoloi) @ . . . . .	Bihar State Elec. Board . . . . .	1.20 MVA	0.56
30	Durgapur Projects Ltd. @ . . . . .	Damodar Valley Corpn. . . . .	N.A.	75.88

TABLE No. 4.1.9—Contd.

1	2	3	4	5
31	Fertilizers Corpn. of India (Sindri)@	Damodar Valley Corpn. . . . .	N.A.	1.03
32	Bokaro Steel Plant@ . . .	Damodar Valley Corpn. . . . .	N.A.	39.92
33	Damodar Valley Corpn.@ . . .	Durgapur Projects Ltd. . . . .	N.A.	32.71
34	Damodar Valley Corpn.@ . . .	Bihar State Elec. Board . . . . .	N.A.	61.95
35	Damodar Valley Corpn. . . . .	W. B. State Elec. Board . . . . .	80.0 MVA	251.96
36	Damodar Valley Corpn. . . . .	Bihar State Elec. Board . . . . .	200.4 MVA	805.46
37	Damodar Valley Corpn. . . . .	Sijua Jharia Co. (Bihar) . . . . .	50.4 MVA	190.31
38	Damodar Valley Corpn. . . . .	Dishergarh Co. Calcutta & Sibpore (W. B. State)	156.0 MVA	745.82
39	Orissa State Elec. Board . . . .	Bihar State Elec. Board . . . . .	N.A.	1.65
40	Bihar State Elec. Board . . . .	Orissa State Elec. Board. . . . .	N.A.	0.09
	<i>E. North Eastern Region</i>			
41	Assam State Elec. Board . . . .	Govt. of Nagaland . . . . .	5.0 MVA	21.69
42	Assam State Elec. Board . . . .	Tripura . . . . .	2.8	8.96
43	Assam State Elec. Board . . . .	Arunachal Pradesh . . . . .	0.3	0.21
	<i>F. Inter-Regional Transfer of Power Western Region</i>			
44	Madhya Pradesh State Elec. Board.	Rajasthan State Elec. Board . . . . .	N.A.	1.72
45	Madhya Pradesh State Elec. Board .	U. P. State Elec. Board . . . . .	120 MVA	191.87
	<i>Southern Region</i>		<i>Western Region</i>	
46	Karnataka State Elec. Board . . . .	Goa, Daman & Diu . . . . .	25.6	135.0
	Karnataka State Elec. Board . . . .	Maharashtra State Elec. Board . . . . .	N.A.	71.0
	<i>Northern Region</i>		<i>Eastern Region</i>	
	Uttar Pradesh State Elec. Board . . . .	Bihar State Elec. Board . . . . .	N.A.	146.64
	<i>Eastern Region</i>		<i>Northern Region</i>	
49	Bihar State Elec. Board . . . . .	Uttar Pradesh State Elec. Board . . . . .	108 MVA	147.84
	<i>Southern Region</i>			
50	Orissa State Elec. Board . . . . .	A. P. State Elec. Board . . . . .	120.0	397.04
	<i>Western Region</i>		<i>Southern Region</i>	
51	Maharashtra State Elec. Board . . . .	Karnataka State Elec. Board . . . . .	N.A.	60.00
	<i>Northern Region</i>		<i>Western Region</i>	
52	Uttar Pradesh State Elec. Board . . . .	Madhya Pradesh State Elec. Board . . . . .	N.A.	23.00
	<i>Outside the Country</i>			
53	Bihar . . . . .	Nepal . . . . .	N.A.	10.62
54	Assam State Elec. Board . . . . .	Bhutan . . . . .	0.3	0.35

Notes—@Based on S. R. E. B. Annual report.

@Through interconnected system.

D. V. C. treated as a separate entity for the purpose of this table.

TABLE No. 4.1.10

Statewise Energy-Generation (Net), Transfer, Utilisation &amp; Losses—1973-74. All Units in M.Kwh.

Sl. No.	States/U. T.	Net Generation in own power houses (other than jointly owned projects & Central Govt. Projects)	Energy Received from			Energy Available in the State(3)+(4)+(5)+(6)	Energy sent out to/sold to			Transformation, Transmission, Distribution losses and energy Un-accounted for	
			Jointly owned projects/ D.V.C. Central Govt. Projects	Self generating industries	Outside the State		Other States	Ultimate consumers within the State	Total (8)+(9)	M.Kwh (7)-(10)	% of Col. 7
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	2,504.32	425.36	..	493.45	3,423.13	80.38	2,472.64	2,553.02	870.11	25.42
2	Assam	510.68	..	..	..	510.68	31.21(A)	380.25	411.46	99.22	19.43
3	Bihar	1,761.04	1,821.48	47.02	148.85	3,778.39	158.55(B)	2,687.26	2,845.81	932.58	24.68
4	Gujarat	4,330.07	880.62	60.94	0.40	5,272.03	132.91	4,045.36	4,178.27	1,093.76	20.75
5	Haryana	72.41	1,829.38	..	84.12	1,985.91	4.20	1,401.33	1,405.53	580.38	29.22
6	Himachal Pradesh	172.28	259.85	..	3.80	435.93	154.04	200.50	354.54	81.39	18.67
7	Jammu & Kashmir	223.25	71.05	..	..	294.30	..	208.50	208.50	85.80	29.15
8	Karnataka	4,508.98	129.38	..	316.26	4954.62	396.93	3633.57	4030.50	924.12	18.65
9	Kerala	2,537.57	..	..	1.18	2538.75	318.12	1,792.48	2,110.60	428.15	16.86
10	Madhya Pradesh	1,591.06	1,767.13	..	33.69	3,391.88	212.59	2,541.21	2,753.80	638.08	18.81
11	Maharashtra	9,399.42	1,009.38	..	217.35	10,626.15	75.95	8,812.31	8,888.26	1,737.89	16.35
12	Manipur (R)	12.09	..	..	..	12.09	..	8.91	8.91	3.18	26.30
13	Meghalaya	DATA	INCLUDED	IN ASSAM	STATE	DATA	INCLUDED	IN ASSAM	STATE	..	..
14	Nagaland	0.29(R)	..	..	21.69	21.98	..	18.68	18.68	3.30	15.01
15	Orissa	1,904.51	274.94	5.91	0.09	2,185.45	398.69	1,557.82	1,956.51	228.94	10.48
16	Punjab	567.79	2,776.11	..	154.04	3,497.94	..	2,772.61	2,772.61	725.33	20.75
17	Rajasthan	27.32	1,808.92	..	2.12	1,838.36	15.01	1,328.31	1,343.32	495.04	26.93
18	Tamil Nadu	4,705.17(C)	2,016.19	1.00	438.34	7,160.70	311.16	5,513.23	5,824.39	1,336.31	18.66
19	Tripura	4.35	..	..	8.96	13.31	..	9.95	9.95	3.36	25.24
20	Uttar Pradesh	5,515.01	284.12	..	360.47	6,159.60	171.30	4,151.97	4,323.27	1,836.33	29.81
21	West Bengal	4,139.61	1,557.88	..	..	5,697.49	0.56	5,063.79	5,064.35	633.14	11.11
<i>Union Territories</i>											
	(a) A. & N. Islands	5.37	..	..	..	5.37	..	3.47	3.47	1.90	35.38
	(b) Arunachal Pradesh	2.50	..	..	0.21	2.71	..	2.44	2.44	0.27	9.96
	(c) D. & N. Haveli	..	..	..	1.79	1.79	..	1.18	1.18	0.61	34.08
	(d) Delhi	434.79	1,091.74	..	1.66	1,528.19	89.87	1,337.77	1,427.64	100.55	6.58
	(e) Chandigarh	0.35	139.48	..	..	139.83	..	88.47	88.47	51.36	36.73
	(f) Goa, Daman & Diu	..	..	..	143.63	143.63	..	119.16	119.16	24.47	17.04
	(g) Lakshadweep (R)	0.36	..	..	..	0.36	..	0.30	0.30	0.06	16.67
	(h) Pondicherry	..	..	..	108.40	108.40	..	92.91	92.91	15.49	14.29
TOTAL ALL-INDIA		44,930.59	18,143.01	114.87	2,540.50	65,728.97	2,551.47	50,246.38	52,797.85	12,931.12	20.46

(R)—1972-73 figures repeated.

(A)—Includes 0.35 M.Kwh sold to Bhutan.

(B)—Includes 10.62 M.Kwh sold to Nepal.

(C)—Lower figures because Neyveli is included in Col. (4)

TABLE No. 4.1.11

Energy Generation(Net), Transfer, Utilisation and Losses by the State Electricity Boards, D.V.C. &amp; D.E.S.U.—1973-74—(All units in Million KWh.)

Sl. No.	Electricity Board/ D.V.C./DESU	Net Generation in own power houses (other than jointly owned/ Central Govt. projects)	ENERGY RECEIVED FROM			Energy available for supply (Including sales outside the States) (3+4+5+ +6)	ENERGY SOLD			Total sold (8+9+10)	Transformation, Transmission, and Distribution or Unaccounted for energy (7-11)	% of Col. 12 to 7
			Utilities/ within State/ jointly owned Central Govt. projects and D.V.C.	Other Boards/ Electric Under- takings	Self Generating Industries		Licencees with in the State	Other Boards, Electric Undertakings and D.V.C.	Ultimate consumers			
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Andhra Pradesh . . . . .	2,504.32	425.36	493.45	..	3,423.13	22.38	80.38	2,456.90	2,559.66	863.47	25.22
2	Assam . . . . .	505.30	..	..	..	505.30	10.10	31.21	367.78	409.09	96.21	19.04
3	Bihar . . . . .	1,702.63	868.15	148.85	6.07	2,725.70	158.77	207.49(A)	1,468.47	1,834.73	890.97	32.69
4	Gujarat . . . . .	3,081.88	896.43	0.40	60.94	4,039.65	533.31	132.91	2,477.59	3,143.81	895.84	22.18
5	Haryana . . . . .	72.41	1,829.38	84.12	..	1,985.91	..	4.20	1,401.33	1,405.53	580.38	29.22
6	Himachal Pradesh (E) . . . . .	172.28	259.85	3.80	..	435.93	..	154.04	200.50	354.54	81.39	18.67
7	Jammu & Kashmir . . . . .	223.25	71.05	..	..	294.30	..	..	208.50	208.50	85.80	29.15
8	Karnataka . . . . .	441.97	4,196.39	316.26	..	4,954.62	56.29	396.93	3,587.12	4,040.34	914.28	18.45
9	Kerala . . . . .	2,537.57	..	1.18	..	2,538.75	52.50	318.12	1,719.42	2,120.04	418.71	16.49
10	Madhya Pradesh . . . . .	1,582.74	1,767.13	33.69	..	3,383.56	73.79	212.59	2,471.91	2,758.29	625.27	18.48
11	Maharashtra . . . . .	6,727.28	1,307.09	217.35	..	8,251.72	3,505.27	75.95	3,431.48	7,012.70	1,239.02	15.02
12	Orissa . . . . .	1,502.21	671.98	0.09	5.91	2,180.19	..	398.69	1,552.56	1,951.25	228.94	10.50
13	Punjab . . . . .	567.79	1,667.93	154.04	..	2,389.76	107.80	..	1,605.44	1,713.24	676.52	28.31
14	Rajasthan . . . . .	23.38	1,808.92	2.12	..	1,834.42	31.17	15.01	1,300.28	1,346.46	487.96	26.60
15	Tamil Nadu . . . . .	4,705.17	1,800.21	438.34	1.00	6,944.72	496.00	311.16	4,922.00	5,729.16	1,215.56	17.50
16	Uttar Pradesh . . . . .	5,452.67	284.12	360.47	..	6,097.26	431.51	171.30	3,724.06	4,326.87	1,770.39	29.04
17	West Bengal . . . . .	1,772.04	855.22	..	..	2,627.26	1,098.48(B)	23.21(C)	1,209.30	2,330.99	296.27	11.28
	(a) D.E.S.U. . . . .	434.79	1,091.74	1.66	..	1,528.19	304.68	89.87	1,063.40	1,457.95	70.24	4.60
	SUB-TOTAL (A) . . . . .	34,009.68	19,800.95	2,255.82	73.92	56,140.37	6,882.05	2,623.06	35,198.04	44,703.15	11,437.22	20.38
	(B) D. V. C . . . . .											
	(a) D. V. C. in Bihar . . . . .	2,430.88	..	48.94	40.95	2,520.77	190.31	867.41	812.64	1,870.36	..	.. (F)
	(b) D. V. C. in West Bengal . . . . .	948.48	..	98.53	..	1,047.01	778.53(D)	251.96	590.39	1,620.88	..	.. (F)
	SUB-TOTAL D.V.C.(B) . . . . .	3,379.36	..	147.47	40.95	3,567.78	968.84	1,119.37	1,403.03	3,491.24	76.54	2.15
	GRAND TOTAL (A+B) . . . . .	37,389.04	19,800.95	2,403.29	114.87	59,708.15	7,850.89	3,742.43	36,601.07	48,191.39	11,513.76	19.28

(A)—Includes 48.94 M. kWh and 10.62 M. kWh sent to D.V.C. and Nepal respectively.

(B)—Includes 32.58 M. kWh sent to Durgapur Projects Ltd., a State Government Undertaking.

(C)—Includes 22.65 M. kWh sent to D. V. C.

(D)—Includes 32.71 M. kWh sent to D. P. L.

(E)—Includes the generation, sales etc. of Simla Municipality also. Which was organised by Board during 1973-74.

(F)—D. V. C. losses in Bihar and W. B. States separately is not calculated.

TABLE NO. 4.1.12

Statewise Installed Plant Capacity@ (As on 31-3-1974) and Energy Consumption (1973-74) for (UTILITIES ONLY) per square Kilometer and per thousand of Population.

Sl. No.	Name of State	Population (Mid financial year) (Millions)	Area in 1000 sq. Kilometers*	Installed plant Capacity (MW)	Installed Capacity per 1000 of Population	Installed Capacity per square Kilometer	Total Energy consumed (Million kWh)	Energy consumed per thousand of population (KWh)	Energy consumed per square Kilometer
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	45.531	276.81	670.43	14.72	2.42	2,472.64	54.307	8,933
2	Assam†	17.128	122.10	196.95	11.50	1.61	380.25	22,260	3,114
3	Bihar	58.937	173.88	1,315.79	22.33	7.57	2,687.26**	45,595	15,455
4	Gujarat	28.388	195.98	953.60	33.59	4.87	4,045.36	142,502	20,642
5	Haryana	10.533	44.22	504.06	47.86	11.40	1,401.33	133,042	31,690
6	Himachal Pradesh	3.520	55.66	51.42	14.61	0.92	200.50	56,960	3,602
7	Jammu & Kashmir	4.853	222.24	82.14	16.93	0.37	208.50	42,963	938
8	Karnataka	30.761	191.77	966.60	31.42	5.04	3,633.57	118,123	18,948
9	Kerala	22.529	38.86	624.70	27.73	16.08	1,792.48	79,563	46,127
10	Madhya Pradesh	44.272	442.82	776.52	17.54	1.75	2,541.21	57,400	5,739
11	Maharashtra	53.155	307.76	2,337.95	43.98	7.60	8,812.31	196,347	28,634
12	Manipur	1.127	22.36	5.84	5.18	0.26	8.91	7,906	398
13	Nagaland	0.535	16.53	2.03	3.79	0.12	18.68	34,916	1,130
14	Orissa	23.095	155.78	683.72	29.60	4.39	1,557.82	67,453	10,060
15	Punjab	14.121	50.36	780.68	55.29	15.50	2,772.61	196,249	55,056
16	Rajasthan	27.267	342.21	803.42	29.46	2.35	1,328.31	48,715	3,882
17	Tamil Nadu	43.141	130.07	2,254.00	52.25	17.33	5,513.23	127,796	42,387
18	Tripura	1.639	10.48	5.15	3.14	0.49	9.95	6,071	949
19	Uttar Pradesh	92.139	294.41	1,557.84	16.91	5.29	4,151.97	45,062	14,103
20	West Bengal	46.981	87.85*	1,683.46	35.83	19.16	5,063.79**	107,784	57,641
<i>Union Territories</i>									
	(a) A & N Islands	0.121	8.29	3.11	25.70	0.38	3.47	28,678	419
	(b) Arunachal Pradesh	0.468	83.58	2.02	4.32	0.02	2.44	5,214	29
	(c) Chandigarh	0.269	0.11	2.48	9.22	22.54	88.47	328,885	804,273
	(d) D & N Haveli	0.079	0.49	..	Nil	..	1.18	14,937	2,408
	(e) Delhi	4.542	1.48	397.00	87.41	268.24	1,337.77	294,533	903,899
	(f) Goa, Daman & Diu	0.902	3.81	2.04	2.26	0.53	119.16	132,106	31,276
	(g) Lakshadweep	0.034	0.03	0.61	17.94	20.33	0.30	8,824	10,000
	(h) Pondicherry	0.496	0.48	..	..	..	92.91	187,319	193,563
<b>TOTAL ALL INDIA</b>		<b>576.563</b>	<b>3,280.48(A)</b>	<b>16,663.56</b>	<b>28.90</b>	<b>5.08</b>	<b>50,246.38</b>	<b>87,148</b>	<b>15,317</b>

@ The capacity of jointly owned projects has been shown distributed in the ratio of respective partner States.

\* Source for Area figures is-Statistical Abstract INDIA-1972. Published by C. S. O.

† Assam includes Meghalaya and Mizoram also.

(A) Tables may not tally due to rounding off.

\*\* Included consumption by ultimate consumers of D. V. C. in Bihar & West Bengal respectively.

TABLE No. 4.1.13

Classification of Consumers of Utilities as on 31-3-1974

Sl. No.	State/Corporation	Domestic		Commercial		Industrial Power Low and Medium		Industrial (H. V.)		Public Lighting (E)	
		A.C.	D.G.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	868,338	..	253,911	..	29,059	..	752	..	12,354	..
2	Assam	82,558	..	18,241	..	2,901	..	26	..	357	..
3	Bihar	329,957	147	153,976	50	34,115	4	855	..	5,175	..
4	Gujarat	1,510,907(D)	443	82,740	193	69,086	12	882	..	15,137	1
5	Haryana	464,211	1,120	98,433	899	23,786	16	518	..	379	2
6	Himachal Pradesh	219,763	..	31,330	..	2,915(B)	..	..	..	3,312	..
7	Jammu & Kashmir	180,000	..	27,900	..	5,300(B)	..	..(B)	..	13,200	..
8	Karnataka	1,062,336	..	151,418	..	48,257	..	690	..	6,500	..
9	Kerala	570,075	..	181,945	..	23,135	..	362	..	4,895	..
10	Madhya Pradesh	499,591	..	175,492	..	31,716	..	461	..	6,748	..
11	Maharashtra	1,815,116	2	418,002	5	87,326	8	2,069	..	9,427	..
12	Manipur (R)	10,615(C)	..	..(C)	..	291	..	..	..	1,705	..
13	Nagaland (R)	11,379(C)	..	..(C)	..	126	..	26	..	4,650	..
14	Orissa	134,435	..	63,406	..	6,149	..	164	..	1,256	..
15	Punjab	850,202	69,000	183,322	11,389	35,271	335	452	..	1,375	10
16	Rajasthan	403,196	..	135,261	..	22,165	..	187	..	1,445	..
17	Tamil Nadu	1,433,766	..	416,785	..	144,897	..	996	..	47,954	..
18	Tripura	8,850	..	..	..	500	..	..	..	9	..
19	Uttar Pradesh	1,031,183	47,753	235,503	18,629	70,453	1,520	1,265	..	23,936	17
20	West Bengal (RR)	604,792	309,010	83,142	323	35,790	885	1,842	..	734	15
21	D. V. C.	..	..	2	..	..	..	11	..	..	..
<i>Union Territories</i>											
	(a) Delhi	593,281	..	110,786	..	20,289	..	136	..	637	..
	(b) A. & N. Islands	7,378	..	349	..	160	..	..	..	571	..
	(c) Chandigarh	44,584	..	5,937	..	714	..	..	..	89	..
	(d) Dadra & Nagar Haveli (R)	251	..	..	..	64	..	3	..	3	..
	(e) Goa, Daman & Diu	40,095	..	10578	..	1,315	..	53	..	150	..
	(f) Lakshadweep (R)	1,602	..	221	..	20	..	..	..	8	..
	(g) Arunachal Pradesh	DATA	NOT	AVAILABLE	..	..	..	..	..	..	..
	(h) Pondicherry	32,303(C)	..	..(C)	..	1,198	..	25	..	10	..
	ALL INDIA	12,810,759	427,475	2,839,530	31,488	697,598	15,780	11,775	..	1,62,016	45

TOTAL No. 4.1.13—Contd.

Sl. No.	State/Corporation	Traction		Agricultural		Public Water Works & Sewage		Miscellaneous		Total		Grand Total
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
1	2	13	14	15	16	17	18	19	20	21	22	23
1	Andhra Pradesh	..	..	268,763	..	550	..	18	..	1,433,745	..	1,433,745
2	Assam	..	..	658	..	36	..	..	..	104,772	..	104,772
3	Bihar	5	..	97,656	..	618	..	..	..	622,357	201	622,558
4	Gujarat	..	..	102,295	..	3,468	..	199	..	1,784,714	649	1,785,363
5	Haryana	..	..	123,403(A)	..	6(A)	..	..	..	715,730	2,037	717,767
6	Himachal Pradesh	..	..	1,927	..	..	..	..	..	258,353	..	258,353
7	Jammu & Kashmir	..	..	189	..	240	..	..	..	226,829	..	226,829
8	Karnataka	..	..	187,842	..	1,287	..	..	..	1,458,330	..	1,458,330
9	Kerala	..	..	30,872	..	3,555	..	..	..	814,839	..	814,839
10	Madhya Pradesh	5	..	138,433	..	705	..	..	..	853,151	..	853,151
11	Maharashtra	4	..	333,311	..	2,123	..	3,005	..	2,670,383	15	2,670,398
12	Manipur (R)	..	..	..	..	4	..	..	..	12,615	..	12,615
13	Nagaland (R)	..	..	1	..	15	..	..	..	16,197	..	16,197
14	Orissa	4	..	1,871	..	395	..	51	..	207,731	..	207,731
15	Punjab	..	..	130,078	..	42	..	..	..	1,200,742	80,734	1,281,476
16	Rajasthan	..	..	74,793	..	1,713	..	689	..	639,449	..	639,449
17	Tamil Nadu	6	..	673,805	..	4,027	..	15,873	..	2,738,109	..	2,738,109
18	Tripura	..	..	42	..	2	..	..	..	10,253	..	10,253
19	Uttar Pradesh	2	..	211,446	..	824	4	1,018	..	1,575,630	67,923	1,643,553
20	West Bengal (RR)	12	..	2,586	..	180	..	..	..	729,078	323,233	1,052,311
21	D. V. C.	2	..	..	..	..	..	1	..	16	..	16
<i>Union Territories</i>												
	(a) Delhi	..	..	208	..	29	..	..	..	725,966	..	725,966
	(b) A. & N. Islands	..	..	1	..	13	..	1	..	8,473	..	8,473
	(c) Chandigarh	..	..	315	..	113	..	9	..	51,761	..	51,761
	(d) Dadra & Nagar Haveli (R)	..	..	58	..	19	..	..	..	398	..	398
	(e) Goa, Daman & Diu	..	..	387	..	15	..	..	..	52,593	..	52,593
	(f) Lakshadweep	..	..	..	..	..	..	..	..	1,851	..	1,851
	(g) Arunachal Pradesh	..	DATA	NOT AVAILABLE	..	..	..	..	DATA	NOT AVAILABLE	..	..
	(h) Pondicherry	..	..	6,081	..	2	..	..	..	39,619	..	39,619
<b>ALL INDIA</b>		<b>40</b>	<b>..</b>	<b>2,391,121</b>	<b>..</b>	<b>19,981</b>	<b>4</b>	<b>20,864</b>	<b>..</b>	<b>18,953,684</b>	<b>474,792</b>	<b>19,428,476</b>

(R) Data Repeated.

(RR) Data repeated in respect of State Electricity Board.

(A) Includes Public Water Works figures also.

(B) Includes H. V. Consumers.

(C) Includes Commercial figures also.

(D) Includes Commercial figures of Board only.

(E) No. of Consumers for Public Lighting Category are reported differently by various Boards etc.



TABLE NO. 4.I.14

Classification of Connected Load of Utilities as on 31-3-1974 (in MW)

13-1 GWC/ND/75

Sl. No.	State/Corporation	Domestic		Commercial		Industrial Power (Low and Medium)		Industrial power (H. T.)		Public Lighting	
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.
1	2	3	4	5	6	7	8	9	10	11	12
1	Andhra Pradesh	415.22	..	247.46	..	304.95	..	449.06	..	22.97	..
2	Assam	51.26	..	50.04	..	117.64	..	38.51	..	2.81	..
3	Bihar	161.70	0.13	105.14	0.03	330.65	Neg.	469.96	..	5.18	..
4	Gujarat	818.08(D)	0.06	99.06	0.02	553.46	0.05	638.66	..	21.07	Neg
5	Haryana	134.18	0.51	49.48	0.89	281.38	..	255.71	..	2.11	Neg
6	Himachal Pradesh	93.31	..	29.15	..	37.57(B)	..	..(B)	..	0.57	..
7	Jammu & Kashmir	45.78(C)	..	..	..	61.50(B)	..	..(B)	..	0.89	..
8	Karnataka	456.79	..	93.72	..	286.98	..	474.62	..	21.64	..
9	Kerala	355.38	..	116.18	..	240.59	..	342.79	..	14.58	..
10	Madhya Pradesh	304.31	..	162.92	..	271.56	..	374.49	..	11.96	..
11	Maharashtra	1,421.97	Neg.	462.96	Neg.	901.38	0.26	1,820.77	..	29.69	..
12	Manipur (R)	2.96 (C)	..	..(C)	..	2.66	..	..	..	0.07	..
13	Nagaland (R)	11.59(C)	..	..(C)	..	1.07	..	0.68	..	0.26	..
14	Orissa	79.61	..	54.44	..	62.57	..	324.88	..	4.91	..
15	Punjab	351.24	5.71	126.24	3.94	179.73	1.66	401.56	..	3.26	0.18
16	Rajasthan	238.78	..	93.13	..	226.12	..	180.49	..	5.72	..
17	Tamil Nadu	927.51	..	417.83	..	543.89	..	729.12	..	55.54	..
18	Tripura	5.26	..	0.85	..	5.62	..	..	..	0.50	..
19	Uttar Pradesh	587.88	29.64	153.33	15.82	652.65	10.51	760.07	..	10.99	0.53
20	West Bengal (RR)	544.49	329.38	85.74	0.58	241.35	60.95	880.28	..	6.62	4.16
21	D. V. C.	..	..	Neg.	..	..	..	273.87	..	..	..
<i>Union Territories</i>											
	(a) Delhi	436.28	..	156.03	..	133.27	..	50.03	..	9.50	..
	(b) A. & N. Islands	2.81	..	0.40	..	1.55	..	..	..	0.05	..
	(c) Chandigarh	61.41	..	29.72	..	24.50	..	..	..	0.79	..
	(d) Dadara & Nagar Haveli (R)	0.23	..	..	..	0.88	..	0.40	..	0.04	..
	(e) Goa, Daman & Diu	31.66	..	10.21	..	2.60	..	24.00	..	0.47	..
	(f) Lakshadweep (R)	0.95	..	0.27	..	0.14	..	..	..	0.02	..
	(g) Arunachal Pradesh	1.58	..	0.18	..	0.38	..	..	..	..	..
	(h) Pondicherry	19.38	..	..	..	17.97	..	13.92	..	0.62	..
	<b>ALL INDIA</b>	<b>7,561.60</b>	<b>365.43</b>	<b>2,544.48</b>	<b>21.28</b>	<b>5,484.61</b>	<b>73.43</b>	<b>8,503.81</b>	<b>..</b>	<b>232.73</b>	<b>4.87</b>

(R) Data repeated.

(RR) Data repeated in respect of State Electricity Board.

(A) Includes Public Water Works figures also.

(B) Includes H. V. figures also.

(C) Includes Commercial figures also.

(D) Includes Commercial figures of Board only.

TABLE No: 4.1.14 (Contd.)

Sl. No.	State/Corporation	Traction		Agricultural		Public Water Works & Sewage		Miscellaneous		Total		Grand Total
		A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	A.C.	D.C.	
1	2	13	14	15	16	17	18	19	20	21	22	23
1	Andhra Pradesh	..	..	1,106.32	..	17.04	..	4.91	..	2,567.87	..	2,567.87
2	Assam	..	..	12.50	..	4.25	..	..	..	277.01	..	277.01
3	Bihar	138.96	..	274.84	..	16.83	..	..	..	1,503.26	0.16	1,503.42
4	Gujarat	..	..	636.07	..	58.21	..	9.60	..	2,834.21	0.13	2,834.34
5	Haryana	..	..	597.71(A)	..	—(A)	..	..	..	1,320.57	1.40	1,321.97
6	Himachal Pradesh	..	..	7.50	..	3.37	..	..	..	171.47	..	171.47
7	Jammu & Kashmir	..	..	6.80	..	5.00	..	..	..	119.97	..	119.97
8	Karnataka	..	..	610.34	..	24.33	..	..	..	1,968.42	..	1,968.42
9	Kerala	..	..	123.73	..	9.06	..	..	..	1,202.31	..	1,202.31
10	Madhya Pradesh	34.05	..	391.00	..	20.67	..	..	..	1,570.96	..	1,570.96
11	Maharashtra	40.00	..	1,116.65	..	69.04	..	56.42	..	5,918.88	0.26	5,919.14
12	Manipur (R)	..	..	..	..	0.08	..	..	..	5.77	..	5.77
13	Nagaland (R)	..	..	Neg.	..	0.32	..	..	..	13.92	..	13.92
14	Orissa	23.40	..	18.87	..	8.42	..	10.63	..	587.73	..	587.73
15	Punjab	..	..	561.30	..	0.61	..	..	..	1,623.94	11.49	1,635.43
16	Rajasthan	..	..	381.69	..	38.89	..	14.80	..	1,179.62	..	1,179.62
17	Tamil Nadu	100.88	..	2,283.99	..	30.19	..	173.87	..	5,262.82	..	5,262.82
18	Tripura	..	..	0.42	..	0.40	..	..	..	13.05	..	13.05
19	Uttar Pradesh	80.88	..	1,306.48	..	30.85	0.21	38.19	..	3,621.32	56.71	3,678.03
20	West Bengal	104.38	..	26.80	..	28.44	..	..	..	1,918.00	395.07	2,313.07
21	D. V. C.	81.22	..	..	..	..	..	N.A.	..	355.09	..	355.09
<i>Union Territories</i>												
	(a) Delhi	..	..	2.91	..	35.14	..	..	..	823.16	..	823.16
	(b) A. & N. Islands	..	..	Neg.	..	0.11	..	Neg.	..	4.92	..	4.92
	(c) Chandigarh	..	..	3.25	..	4.19	..	N.A.	..	123.86	..	123.86
	(d) D. & N. Haveli (R)	..	..	0.22	..	0.03	..	..	..	1.80	..	1.80
	(e) Goa, Daman & Diu	..	..	2.02	..	3.37	..	..	..	74.33	..	74.33
	(f) Lakshdweep (R)	..	..	..	..	..	..	..	..	1.38	..	1.38
	(g) Arunachal Pradesh	..	..	..	..	..	..	..	..	2.14	..	2.14
	(h) Pondicherry	..	..	22.80	..	1.23	..	..	..	75.92	..	75.92
	<b>ALL INDIA</b>	<b>603.77</b>	<b>..</b>	<b>9,494.21</b>	<b>..</b>	<b>410.07</b>	<b>0.21</b>	<b>308.42</b>	<b>..</b>	<b>3,5143.70</b>	<b>465.22</b>	<b>35,608.92</b>

TABLE No. 4.1.15

## Towns Electrified in various Population Groups (1961 Census) as on 31-3-1974

Sl. No.	States/Union Territories	Total No. of towns	No. Electrified in various population groups					Total No. electrified as on 31-3-74	Electrified during 1973-74	
			Below 5000	50001 99991	10000 19999	20000 49999	50000 100000			Over 100000
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	223	7	72	73	51	9	11	223	1
2	Assam	53	11	21	9	10	1	1	53	..
3	Bihar	153	8	46	52	33	7	7	153	..
4	Gujarat	181	8	60	54	43	9	6	180	..
5	Haryana	61	12	15	15	11	7	1	61	..
6	Himachal Pradesh	30	18	7	4	1	..	..	30	..
7	Jammu & Kashmir	43	30	6	4	1	..	2	43	..
8	Karnataka	231	37	64	81	34	9	6	231	..
9	Kerala	92	1	18	33	31	5	4	92	..
10	Madhya Pradesh	219	17	98	57	35	6	6	219	..
11	Maharashtra	266	15	88	89	47	15	12	266	..
12	Manipur	1	..	..	..	..	1	..	1	..
13	Meghalaya	6	..	3	2	..	..	..	6	..
14	Nagaland	3	..	3	..	..	1	..	3	..
15	Orissa	62	3	25	22	8	3	1	62	..
16	Punjab	109	20	35	23	23	4	4	109	..
17	Rajasthan	145	9	51	52	23	4	6	145	..
18	Tamil Nadu	339	36	95	119	61	19	9	339	..
19	Tripura	6	..	4	..	..	1	..	6	..
20	Uttar Pradesh	267	16	79	81	56	18	17	267	..
21	West Bengal	184	12	49	44	46	19	12	182	..
	<b>TOTAL (STATES)</b>	<b>2,674</b>	<b>260</b>	<b>839</b>	<b>815</b>	<b>514</b>	<b>138</b>	<b>105</b>	<b>2,671</b>	<b>1</b>
	(a) A. & N. Islands	1	..	..	1	..	..	..	1	..
	(b) Arunachal Pradesh	..	..	..	..	..	..	..	..	..
	(c) Chandigarh	2	..	1	..	..	1	..	2	..
	(d) D. N. Haveli	..	..	..	..	..	..	..	..	..
	(e) Delhi	3	..	..	..	1	..	2	3	..
	(f) Goa, Daman & Diu	13	7	4	1	1	..	..	13	..
	(g) Lakshadweep	..	..	..	..	..	..	..	..	..
	(h) Mizoram	1	..	..	1	..	..	..	1	..
	(i) Pondicherry	5	..	2	1	2	..	..	5	..
	<b>TOTAL U. Ts.</b>	<b>25</b>	<b>7</b>	<b>7</b>	<b>4</b>	<b>4</b>	<b>1</b>	<b>2</b>	<b>25</b>	<b>..</b>
	<b>TOTAL (ALL INDIA)</b>	<b>2,699</b>	<b>267</b>	<b>846</b>	<b>819</b>	<b>518</b>	<b>139</b>	<b>107</b>	<b>2,696</b>	<b>..</b>

TABLE NO. 4.1.16

Villages Electrified in various population groups (1961 Census) as on 31-3-1974

S. No.	States/Union Territories	Total Number	Number Electrified in Various Population Groups					Total No. of electrified as on 31-3-74	Number of electrified	
			Below 500	500 to 999	1000 to 1999	2000 to 4999	5000 to 9999			100000 and above
1	2	3	4	5	6	7	8	9	10	11
1	Andhra Pradesh	27,084	1,049	2,093	3,578	3,088	426	28	10,262	501
2	Assam(+)	20,565 (21,995)*	400*	318	270*	150*	8*	..	1,146*	325
3	Bihar(+)	67,665	3,290	2,470	2,160	1,430	231	24	9,605	390
4	Gujarat(+)	18,584 (18,275)	469*	1,500*	2,000*	1,470*	220*	17*	5,676*	416
5	Haryana	6,669	2,756	1,872	1,307	662	70	2	6,669	..
6	Himachal Pradesh(+)	13,060 (16916)	3,820*	470*	180*	26*	2*	..	4,500*	1,043
7	Jammu & Kashmir(+)	6,559 (6,503)*	578*	450*	290*	60*	2*	..	1,380*	514
8	Karnataka	26,377 (26,826)*	4,005*	3,760*	3,015*	1,615*	240*	9*	12,644*	944
9	Kerala	1,573	6	12	31	316	512	498	1,375	37
10	Madhya Pradesh	70,414	5,156	3,140	1,715	665	27	..	10,703	770
11	Maharashtra	35,851	5,397	5,179	4,079	1,949	300	29	16,933	1,778
12	Manipur	1,866 (1,949)	46*	50*	65*	50*	2*	..	213*	8
13	Meghalaya(+)	4,407	73	53	11	..	..	..	137	34
14	Nagaland	814(960)*	54*	32*	34*	15*	1*	..	136*	53
15	Punjab	(12,188)* 11,947	2,908*	2,174*	1,446*	509*	40*	1*	7,078*	712
16	Orissa(+)	(46,992)* 46,466	3,400*	2,560*	1,786*	380*	15*	2*	8,077*	1,451
17	Rajasthan	(33,305)* 32,241	2,127	1,571*	1,320*	658*	92*	10*	5,778*	366
18	Tamil Nadu	14,124	1,878	3,175	4,718	3,490	448	96	13,805	106
19	Tripura	(41,727)* 4,932	28*	43*	19*	13*	..	..	103*	8
20	Uttar Pradesh(+)	112,624	12,380	8,990	4,540	3,524	308	23	29,765	2,844
21	West Bengal(+)	38,454	2,490	2,385	2,195	1,398	220	20	8,708	3,171
	<b>TOTAL (STATES)</b>	<b>562,276</b>	<b>52,310</b>	<b>42,237</b>	<b>34,753</b>	<b>21,470</b>	<b>3,164</b>	<b>759</b>	<b>154,693</b>	<b>15,971</b>

(a) A. & N. Islands . . . . .	399 (390)*	18*	10*	12*	1	..	..	41*	7
(b) Arunachal Pradesh . . . . .	2,451	32	17	5	5	..	..	59	3
(c) Chandigarh . . . . .	(26)* 31	8*	10*	7*	..	1*	..	26*	..
(d) D. & N. Haveli . . . . .	(72)* 72	4*	2*	9*	3*	..	..	18*	4
(e) Delhi . . . . .	(243)* 276	43*	53*	79*	60*	6*	2*	243*	..
(f) Goa, Faman & Diu . . . . .	(409)* 245	36*	44*	65*	66*	22*	2*	235*	72
(g) Lakshdweep . . . . .	(10)* 10	..	..	..	6*	2*	..	8*	..
(h) Mizoram . . . . .	(229) 730	..	..	2*	1*	..	..	3*	..
(i) Pondicherry . . . . .	388	213	89	62	21	3	..	388	..
<b>TOTAL (U. Ts.)</b>	<b>4,602</b>	<b>354</b>	<b>225</b>	<b>241</b>	<b>163</b>	<b>34</b>	<b>4</b>	<b>1,021</b>	<b>86</b>
<b>TOTAL (ALL INDIA)</b>	<b>566,878</b>	<b>52,664</b>	<b>42,462</b>	<b>34,994</b>	<b>21,633</b>	<b>3,198</b>	<b>763</b>	<b>155,714</b>	<b>16,057</b>

\*—As per 1971 Census.

(+)—Population-wise break-up estimated.

TABLE NO. 4.1.17

## Statewise Pumpsets

S. No.	State/U. Ts.	No. of Pumpsets		Consumption		Connected Load M.W.	Average capacity per pump set (KW)	Average consumption per set (kWh)	Consumption of connected load kWh/KW
		Added during 73-74	As at the end of 73-74	Quantum (M. kWh.)	% to total consumption in the State				
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	24,788	261,989	587.89	23.77	1,106.32	4.22	2,243.95	531.39
2	Assam	44	705	2.00	0.52	12.50	17.73	2,836.88	160.00
3	Bihar	9,265	96,922	73.81	2.75	274.84	2.83	761.54	268.56
4	Gujarat	10,264	102,683	627.87	15.52	636.07	6.19	6,114.64	987.11
5	Haryana	11,538	127,947	528.51*	37.71	597.71	4.67	4,130.69	884.22@
6	Himachal Pradesh	246	1,032	1.40*	0.70	7.50	7.27	1,356.59	186.67
7	Jammu & Kashmir	77	402	16.00*	7.67	6.80	16.91	59,800.99	2,352.94@
8	Karnataka	19,482	189,688	259.32	7.14	610.34	3.22	1,367.09	424.88
9	Kerala	4,391	37,661	91.72	5.12	123.73	3.28	2,435.41	741.29
10	Madhya Pradesh	23,496	138,304	125.88	4.95	391.00	2.83	910.17	321.94
11	Maharashtra	52,022	342,265	487.60	5.53	1,116.65	3.26	1,424.63	436.67
12	Manipur	NIL	NIL	..	..	..	..	..	..
13	Nagaland	NIL	1	Neg.	Neg.	Neg.	Neg.	Neg.	Neg.
14	Orissa	684	2,759	7.90	0.51	18.87	6.84	2,863.36	418.65
15	Punjab	20,039	129,566	709.68*	25.60	561.30	4.33	5,477.36	1,264.35@
16	Rajasthan	7,866	74,696	281.27	21.17	381.69	5.11	3,765.53	736.91
17	Tamil Nadu	32,017	681,258	1,604.78	29.11	2,283.99	3.35	2,355.61	702.62
18	Tripura	4	40	0.25	2.51	0.42	10.50	6,250.00	593.24
19	Uttar Pradesh	35,202	233,640	840.95	20.25	1,306.48	5.59	3,599.34	643.68
20	West Bengal	4,303	6,535	30.10	0.59	26.80	4.10	4,605.97	1,123.13
	(a) A. & N. Islands	NIL	NIL	Neg.	..	Neg.	..	..	..
	(b) Arunachal Pradesh	NIL	NIL	..	..	..	..	..	..
	(c) Chandigarh	30	424	0.95	1.07	3.25	7.66	2,240.57	292.31
	(d) D. & N. Haveli	14	90	0.08	6.78	0.22	2.44	888.89	363.64
	(e) Delhi	575	6,527	6.18	0.46	2.91	0.44	946.84	2,123.71
	(f) Goa, Daman & Diu	106	387	0.33	0.28	2.02	5.22	852.71	163.67
	(g) Lakshdweep	NIL	NIL	..	..	..	..	..	..
	(h) Pondicherry	355	6,081	25.74	27.70	22.80	3.75	4,232.86	1,128.95
	<b>TOTAL ALL INDIA</b>	<b>256,808</b>	<b>2,441,602</b>	<b>6,310.21</b>	<b>12.56</b>	<b>9,494.21</b>	<b>3.89</b>	<b>2,584.45</b>	<b>664.64</b>

\*—Includes consumption by public water works pumping sets.

@—Consumption of connected load Kwh/kw is high due to the public water works pump sets included in this category, and also figures are being verified from Jammu &amp; Kashmir State Electricity Board.

TABLE No. 4.2.1

## Electricity Production and Consumption in Selected Industries for the year 1973-74

Sl. No.	Name of Industry	Total Number of factories Covered	Installed Generating Plant Capacity as on 31-3-74 (KW)	Aggregate Maximum Demand (KVA)		Energy (M. kWh)		Energy Used in Industry	Energy sold to		Annual load factor
				Generation in own Power Station	Purchase from Public Utility Undertakings	Generated in own Power Station	Purchased from Public Utility Undertakings		Public Utility Undertakings (M. kWh)	Non-utility undertakings (M. kWh)	
1	2	3	4	5	6	7	8	9	10	11	12
1	Aluminium (P) . . . . .	6	143,450	156,250	317,985	1,009·896	1,832·257	2,756·330	..	..	82·93
2	Aluminium (S) . . . . .	11	3,820	4,025	15,907	5·747	64·250	69·431	..	..	49·25
3	Automobile . . . . .	6	2,907	1,500	38,392	0·955	130·652	431·589	..	..	47·07
4	Cement (P) . . . . .	33	112,434	99,265	173,527	377·516	877·487	1,219·563	..	0·006	63·79
5	Cement (S) . . . . .	24	23,900	990	14,446	1·400	62·929	64·228	..	..	59·37
6	Chemicals . . . . .	76	69,588	41,695	298,158	194·447	1,324·775	1,544·612	..	..	64·85
7	Collieries . . . . .	146	62,126	40,093	180,917	178·519	629·851	790·344	..	..	51·03
8	Electrical Engineering . . . . .	45	99,702	7,764	88,992	10·231	235·138	251·861	..	5·715	37·14
9	Fertilizer . . . . .	18	143,064	133,097	732,763	730·667	2,445·091	3,114·815	1·027	..	51·32
10	Food Products . . . . .	17	2,076	1,160	10,522	1·140	40·647	41·740	..	..	50·98
11	Heavy Engineering . . . . .	14	5,817	772	1014,26	0·317	222·044	398·905	..	5·044	55·70
12	Iron (P) . . . . .	9	479,872	354,053	474,401	1,678·344	2,380·301	3,432·984	45·827	319·136	59·12
13	Iron (S) . . . . .	23	1,560	790	120,516	0·862	361·734	362·557	..	..	42·65
14	Jute . . . . .	74	29,629	17,786	231,976	61·000	596·351	651·490	..	1·825	37·22
15	Light Engineering . . . . .	40	7,640	4,201	98,619	4·480	225·895	291·592	..	..	40·46
16	Mineral Oil & Petroleum . . . . .	11	86,675	88,160	41,680	412·070	169·052	474·127	68·010	..	52·11
17	Mining & Quarrying . . . . .	10	3,166	856	9,510	0·076	43·855	43·931	..	..	60·49
18	Miscellaneous . . . . .	39	8,669	6,109	42,265	5·552	162·046	167·309	..	..	49·35
19	Non-ferrous . . . . .	20	16,731	11,066	164,309	18·149	814·301	831·254	..	..	67·63
20	Paper . . . . .	30	132,293	99,819	123,055	529·338	604·014	1,058·853	..	30·326	67·79
21	Plastic . . . . .	2	340	..	31,000	..	181·872	181·872	..	..	83·72
22	Rubber & Rubber Products . . . . .	8	1,886	1,342	51,077	0·242	143·106	143·324	..	39·2	48·19
23	Sugar . . . . .	143	236,027	194,193	46,266	399·570	81·068	441·339	..	2·802	26·19
24	Textile . . . . .	353	170,928	110,234	907,732	446·952	3,613·793	4,055·604	..	3·717	56·85
	<b>TOTAL</b> . . . . .	<b>1,158</b>	<b>1,732,700</b>	<b>1,375,220</b>	<b>4,315,441</b>	<b>6,067·470</b>	<b>17,242·509</b>	<b>22,519·654</b>	<b>114·864</b>	<b>368·571</b>	<b>56·46</b>

TABLE No. 4.2.2

State-wise Self Generation Production &amp; Consumption in Selected Industries for the year 1973-74

Sl. No.	States/Union Territories	Total No. of factories Covered	Installed generating plant capacity as on 31-3-74 (KW)	Aggregate Maximum Demand (KVA)		Energy Generated in own Power Station		(Million (kWh))		Energy sold to		
				Generation in own power Station	Purchases from Public Utility Undertakings	Gross Generation	Net Generation	Purchased from Public utility Undertakings	Used in the Industry	Public utility Undertakings	Non-utility Undertakings	
1	2	3	4	5	6	7	8	9	10	11	12	
1	Andhra Pradesh . . . . .	48	112,757	80,835	390,957	285,777	255,578	740,679	996,257	..	30,326	
2	Assam . . . . .	9	18,076	15,060	26,326	58,185	53,237	105,937	159,174	..	..	
3	Bihar . . . . .	111	405,283	286,119	379,973	1,546,241	1,378,151	1,344,180	2,662,595	47,015	318,069	
4	Gujarat . . . . .	120	95,130	82,025	397,430	376,175	347,300	1,533,200	1,819,343	60,940	0,217	
5	Haryana . . . . .	35	28,682	24,815	49,289	81,520	77,831	160,682	238,513	..	..	
6	Jammu & Kashmir . . . . .	DATA	NO	A	V	A	I	L	A	B	L	E
7	Karnataka . . . . .	43	53,617	39,644	322,927	87,059	79,308	1,702,894	1,782,202	..	..	
8	Kerala . . . . .	44	34,996	31,722	182,954	196,945	106,487	897,512	1,003,999	..	..	
9	Madhya Pradesh . . . . .	55	120,025	96,257	203,274	487,786	410,856	1,077,053	1,479,516	..	8,398	
10	Maharashtra . . . . .	235	131,617	74,018	768,436	203,174	188,293	3,362,573	3,547,429	..	3,437	
11	Orissa . . . . .	14	154,740	138,950	229,622	592,485	502,516	1,022,315	1,518,922	5,909	..	
12	Punjab . . . . .	16	5,652	3,456	253,143	2,338	2,191	1,110,987	1,113,178	..	..	
13	Rajasthan . . . . .	25	81,390	82,924	83,275	338,530	317,634	357,916	675,550	..	..	
14	Tamil Nadu . . . . .	97	76,889	63,354	212,009	235,029	217,731	1,034,749	1,251,480	1,000	..	
15	Uttar Pradesh . . . . .	81	214,508	225,876	236,287	1,180,149	1,073,732	828,220	1,901,952	..	..	
16	West Bengal . . . . .	206	166,110	107,990	547,291	379,038	328,093	1,831,448	2,151,417	..	8,124	



14-1 GWC/ND/75

17	<i>Union Territories</i>									
	(a) Delhi . . . . .	6	28,666	20,428	15,264	96,577	85,590	48,816	134,406	..
	(b) Rest . . . . .	13	4,562	1,747	16,979	0,462	0,378	83,343	85,721	..
	<b>TOTAL</b> . . . . .	1,158	1,732,700	1,375,220	4,315,441	6,967,470	5,424,906	17,242,509	22,519,654	114,864
										368,571

TABLE No.  
Energy Consumed in Selected Industries in

Sl. No.	Name of State/ Union Territory	Aluminium (Primary)	Aluminium Secondary	Automobiles	Cement Primary	Cement Secondary
1	2	3	4	5	6	7
1	Andhra Pradesh . . . . .	..	..	..	116·105	..
2	Assam . . . . .	..	..	..	..	..
3	Bihar . . . . .	..	..	..	299·385	1·596
4	Gujarat . . . . .	..	..	..	105·721	22·889
5	Haryana . . . . .	..	..	1·800	63·254	5·310
6	Karnataka . . . . .	626·450	..	19·005	103·685	..
7	Kerala . . . . .	353·000	8·818	..	6·971	0·852
8	Madhya Pradesh . . . . .	..	..	..	164·404	15·351
9	Maharashtra . . . . .	..	18·593	36·300	..	2·474
10	Orissa . . . . .	336·217	3·270	..	46·784	..
11	Punjab . . . . .	..	..	..	..	..
12	Rajasthan . . . . .	..	..	..	135·514	0·689
13	Tamil Nadu . . . . .	248·706	0·008	..	135·308	1·389
14	Uttar Pradesh . . . . .	1,191·957	..	..	42·432	..
15	West Bengal . . . . .	*	38·742	74·484	..	13·653
	<i>Union Territories</i>					
	(a) Delhi . . . . .	..	..	..	..	0·025
	(b) Rest . . . . .	..	..	..	..	..
	<b>TOTAL</b> . . . . .	2,756·330	69·431	131·589	1,219·563	64·228

\*Factory not worked due to strike.

## 4.2.3

*Million kWh during the year 1973-74*

Chemicals	Collieries	Engineering (Elect.)	Fertilizers	Food Products	Heavy Engg.	Iron (Primary)
8	9	10	11	12	13	14
44·890	96·123	22·420	128·573	7·477	9·706	..
..	3·298	..	84·047	..	..	..
49·593	376·089	12·939	393·181	..	269·922	922·051
181·019	..	6·570	336·263	0·318	..	..
2·505	..	4·712	..	1·376	..	..
5·676	..	62·266	0·713	..	41·618	563·227
186·880	..	0·872	263·618	0·463	..	..
4·231	130·231	44·480	..	..	..	644·648
578·997	2·464	51·012	235·629	21·110	30·564	..
..	25·339	..	..	..	16·316	820·150
2·856	..	..	1,046·641	7·539	..	..
137·072	..	..	218·327	..	..	..
131·047	..	14·950	133·086	0·476	15·037	..
56·766	..	5·374	232·060	2·139	15·742	..
90·457	156·800	26·266	42·677	0·842	..	482·908
72·623	..	..	..	..	..	..
..	..	..	..	..	..	..
1,544·612	790·344	251·861	3,114·815	41·740	398·905	3,132·984

TABLE No.

*Energy Consumed in Selected Industries in*

Sl. No.	Name of State/ Union Territory	Iron & Steel (Secondary)	Jute	Light Engg.	Mineral oil & Petroleum	Mining & Quarrying	Misc.
1	2	15	16	17	18	19	20
1	Andhra Pradesh . . . .	..	18·381	6·761	15·780	..	..
2	Assam . . . . .	..	..	0·555	70·374	..	0·900
3	Bihar . . . . .	37·225	10·053	85·877	100·803	0·466	1·902
4	Gujarat . . . . .	0·498	..	..	68·934	..	..
5	Haryana . . . . .	1·721	..	24·400	..	..	11·089
6	Karnataka . . . . .	..	..	19·449	..	1·310	0·903
7	Kerala . . . . .	..	..	3·447	..	..	6·794
8	Madhya Pradesh . . . . .	..	..	..	..	..	..
9	Maharashtra . . . . .	144·176	..	56·480	119·468	..	95·340
10	Orissa . . . . .	..	..	..	..	..	..
11	Punjab . . . . .	..	..	1·005	..	..	..
12	Rajasthan . . . . .	..	..	23·835	..	..	0·191
13	Tamil Nadu . . . . .	3·359	..	1·482	98·028	..	7·460
14	Uttar Pradesh . . . . .	16·845	11·367	..	..	..	4·786
15	West Bengal . . . . .	158·733	611·689	62·301	0·740	..	37·818
	<i>Union Territories</i>						
	(a) Delhi . . . . .	..	..	..	..	..	..
	(b) Rest . . . . .	..	..	..	..	42·155	0·126
	<b>TOTAL</b> . . . . .	362·557	651·490	291·592	474·127	43·931	167·309

## 4.2.3—Contd.

Million kWh during the year 1973-74

Non-Ferrous	Paper	Plastic	Rubber & Rubber Products	Sugar	Textile	Total
21	22	23	24	25	26	27
232·949	170·567	..	..	72·287	54·238	996·257
..	..	..	..	..	..	159·174
83·192	..	..	..	18·321	..	2,662·595
..	28·584	..	..	11·498	1,057·049	1,819·343
..	81·636	..	3·057	9·267	28·386	238·513
135·121	86·010	..	..	37·579	79·190	1,782·202
..	20·447	..	11·805	7·703	126·329	1,003·999
3·773	198·104	..	..	4·099	270·195	1,479·516
140·146	111·588	181·872	47·646	110·712	1,562·858	3,547·429
173·971	95·463	..	..	1·412	..	1,518·922
..	..	..	..	1·028	54·109	1,113·178
62·102	..	..	..	1·963	95·857	675·550
..	45·239	..	14·593	59·520	341·792	1,251·480
..	43·950	..	..	105·167	173·367	1,901·952
..	177·265	..	66·223	0·783	109·036	2,151·417
..	..	..	..	..	61·758	134·406
..	..	..	..	..	41·440	83·721
831·254	1,058·853	181·872	143·324	441·339	4,055·604	22,519·654

**TECHNICAL STATISTICS**

**SECTION-5**

**MISCELLANEOUS**

TABLE NO. 5.1

*Acquisition of Electricity Supply Undertakings*

Name of the Undertakings	Prior ownership	Date & year of acquisition	By whom acquired
1	2	3	4
Generating & Distributing	..	..	..
<i>Generating, Purchasing and distributing—</i>			
1. Patna . . . . .	Company . . . . .	6-2-74	Bihar State Electy. Board.
2. Simla . . . . .	Municipality . . . . .	1-1-74	H. P. State Electy. Board.
3. Godhra . . . . .	Company . . . . .	21-12-73	Gujarat Electy. Board.
4. Agra . . . . .	Do. . . . .	17-12-73	U.P. State Electy. Board.
5. Kalimpong . . . . .	Do. . . . .	3-12-73	West Bengal State Electy. Board.
<i>Purchasing and Distributing</i>			
1. Billimore . . . . .	Company . . . . .	10-8-73	Gujarat Electy. Board.
2. Dhakorunreth . . . . .	Do. . . . .	31-10-73	Do.
3. Rander . . . . .	Do. . . . .	29-1-74	Do.
4. Viramgram . . . . .	Do. . . . .	22-8-73	Do.
5. Mondusar . . . . .	Do. . . . .	5-8-73	Madhya Pradesh State Electy. Board.
6. Sehore . . . . .	Do. . . . .	15-12-72	Do.
7. Satara . . . . .	Do. . . . .	1-4-73	Maharashtra State Electy. Board.
8. Mahad . . . . .	Do. . . . .	24-10-73	Do.
9. Nasarpur . . . . .	Do. . . . .	15-2-74	Do.
10. Matheran . . . . .	Do. . . . .	28-3-74	Do.
11. Kumbakonam . . . . .	Do. . . . .	7-1-74	Tamil Nadu Electy. Board.
12. Nagapatnam . . . . .	Do. . . . .	7-1-74	Do.
13. Shencottah . . . . .	Do. . . . .	1-12-73	Do.
14. Vellore . . . . .	Do. . . . .	7-1-74	Do.
15. Salem Erode . . . . .	Do. . . . .	1-12-73	Do.
16. Tirunelvely-Tuticorin . . . . .	Do. . . . .	1-12-73	Do.
17. Trichy-Srirangam . . . . .	Do. . . . .	1-12-73	Do.
18. Pruilia . . . . .	Do. . . . .	9-7-73	West Bengal State Electy. Board.
19. Vishnupur . . . . .	Do. . . . .	10-8-73	Do.
20. Mormugoa Municipal Council . . . . .	Municipality . . . . .	5-11-73	Goa Electy. Deptt.

TABLE No. 5.2

*Distribution of Licences Undertaking into (1) Generating (2) Generating & Purchasing (3) Purchasing & Distributing—Statewise.*

Sl. No.	State	Number of Companies			
		Generating & Distributing	Generating, Purchasing & Distributing	Purchasing & Distributing	Total
1	2	3	4	5	6
1	Andhra Pradesh	..	..	1	1
2	Assam	..	1	..	1
3	Bihar	..	3	5	8
4	Gujarat	..	6	8	14
5	Haryana	..	..	..	..
6	Himachal Pradesh	..	..	..	..
7	Jammu & Kashmir	..	..	..	..
8	Kerala	..	..	3	3
9	Madhya Pradesh	..	2	1	3
10	Maharashtra	..	2	21	23
11	Manipur	..	..	..	..
12	Meghalaya	..	..	..	..
13	Mysore	..	..	8	8
14	Nagaland	..	..	..	..
15	Orissa	..	..	..	..
16	Punjab	..	..	1	1
17	Rajasthan	2	1	..	3
18	Tamil Nadu	..	..	..	..
19	Tripura	..	..	..	..
20	Uttar Pradesh	..	3	12	15
21	West Bengal	..	3	11	14
<i>Union Territories—</i>					
	(a) Delhi	..	..	..	..
	(b) Andaman & Nicobar Islands	..	..	..	..
	(c) Arunachal Pradesh	..	..	..	..
	(d) Chandigarh	..	..	..	..
	(e) Dadra & Nagar Haveli	..	..	..	..
	(f) Goa, Daman & Diu	1	..	..	1
	(g) Laccadive, Minicoy & Amindive Islands	..	..	..	..
	(h) Mizoram	..	..	..	..
	(i) Pondicherry	..	..	..	..
	<b>TOTAL</b>	<b>3</b>	<b>21</b>	<b>71</b>	<b>95</b>



TABLE NO. 5.3

*Distribution of Municipal Undertakings*

Sl. No.	State	Number of Municipalities			
		Generating & Distributing	Generating, Purchasing & Distributing	Purchasing & Distributing	Total
1	2	3	4	5	6
1	Andhra Pradesh . . . . .	..	..	..	..
2	Assam . . . . .	..	..	..	..
3	Bihar . . . . .	..	..	..	..
4	Gujarat . . . . .	..	1	8	9
5	Haryana . . . . .	..	..	..	..
6	Himachal Pradesh . . . . .	..	..	..	..
7	Jammu & Kashmir . . . . .	..	..	..	..
8	Kerala . . . . .	..	..	1	1
9	Madhya Pradesh . . . . .	..	..	..	..
10	Maharashtra . . . . .	..	..	5	5
11	Manipur . . . . .	..	..	..	..
12	Meghalaya . . . . .	..	..	..	..
13	Mysore . . . . .	..	..	..	..
14	Nagaland . . . . .	..	..	..	..
15	Orissa . . . . .	..	..	..	..
16	Punjab . . . . .	..	..	1	1
17	Rajasthan . . . . .	..	1	..	1
18	Tamil Nadu . . . . .	..	..	5	5
19	Tripura . . . . .	..	..	..	..
20	Uttar Pradesh . . . . .	..	2	10	12
21	West Bengal . . . . .	..	1	..	1
<i>Union Territories—</i>					
	(a) Delhi . . . . .	..	1	1	2
	(b) Andaman & Nicobar Islands . . . . .	..	..	..	..
	(c) Arunachal Pradesh . . . . .	..	..	..	..
	(c) Chandigarh . . . . .	..	..	..	..
	(e) Dadra & Nagar Haveli . . . . .	..	..	..	..
	(f) Goa, Daman & Diu . . . . .	..	..	..	..
	(g) Lakshdweep, Minicoys & Aminidive Islands . . . . .	..	..	..	..
	(h) Mizoram . . . . .	..	..	..	..
	(i) Pondicherry . . . . .	..	..	..	..
	<b>TOTAL</b> . . . . .	..	6	31	37

TABLE  
Electrical Accidents

Sl. No.	State/Union Territory	Generating & Sub-station				Transmission Lines			
		Electric Supply Undertaking		Industrial Undertaking		Electric Supply Undertaking		Industrial Undertaking	
		Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal	Fatal	Non-fatal
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	..	5	..	..	23+2@	36	..	..
2	Assam	1	2	..	..	4	10	..	..
3	Bihar	3	4	1	1	7	3	..	..
4	Gujarat	5+5@	42	..	..	6+6@	29	2	4
5	Haryana	..	..	DATA	NOT	AVAI	LAB	LE	..
6	Himachal Pradesh	..	..	DATA	NOT	AVAI	LAB	LE	..
7	Jammu & Kashmir	..	..	DATA	NOT	AVAI	LAB	LE	..
8	Karnataka	..	..	..	1	6	..	..	..
9	Kerala	..	2	..	..	2	..	..	..
10	Madhya Pradesh	..	..	1	..	..	..	25+4@	27
11	Maharashtra	6	19	7	10	29+6@	16	..	1
12	Manipur	..	..	DATA	NOT	AVAI	LAB	LE	..
13	Nagaland	..	..	..	..	1	..	..	..
14	Orissa	3+1@	7	..	..	4	19	..	..
15	Punjab	..	..	DATA	NOT	AVAI	LAB	LE	..
16	Rajasthan	7+4@	28	1	3	5	11	..	..
17	Tamil Nadu	6	5	..	..	10+1@	13	..	1
18	Tripura	..	..	DATA	NOT	AVAI	LAB	LE	..
19	Uttar Pradesh	*	*	48+1@	162	2+3@	4	58+11@	72
20	West Bengal	2	2	1	1	..	12	..	2
21	Meghalaya	..	1	..	..	1	..	..	..
22	Central Govt. Institutions.	1	10	..	..	..	..	1	3
23	Railways	..	..	2	..	..	..	55	20
24	Mines	..	..	..	..	..	..	..	..
<i>Union Territories—</i>									
	(a) A & N Islands	..	..	..	..	..	..	..	..
	(b) Chandigarh	..	..	..	..	..	..	..	..
	(c) D & N Haveli	..	..	..	..	..	..	..	..
	(d) Delhi	..	7	7	..	..	..	..	..
	(e) Goa, Daman & Diu.	..	..	..	..	1	1	..	..
	(f) Lakshdweep	..	..	..	..	..	..	..	..
	(g) Arunachal Pradesh	..	..	DATA	NOT	AVAI	LAB	LE	..
	(h) Pondicherry	..	..	..	..	..	..	..	..
TOTAL ALL INDIA		34+10@	134	68+1@	179	101-18@	154	141+15@	130

NOTE.— @Animal

\*Included in Fatal and Non-fatal categories of

No. 5.4

during 1973-74

Distribution Lines				Total		Sl. No.	State/Union Territories
Electricity Supply Undertaking		Industrial Undertaking		Fatal	Non-fatal		
Fatal	Non-fatal	Fatal	Non-fatal				
11	12	13	14	15	16	1	2
77+25@	34	..	8	100+27@	83	1	Andhra Pradesh
5+8@	11	1	..	11+8@	23	2	Assam
9	9	3	5	23	22	3	Bihar
72+116@	94	3	6	88+127@	176	4	Gujarat
		DATA	NOT	AVAILA	BLE	5	Haryana
		DATA	NOT	AVAILA	BLE	6	Himachal Pradesh
		DATA	NOT	AVAILA	BLE	7	Jammu & Kashmir
97+59@	172	..	..	103+59@	173	8	Karnataka
80+22@	163	3	2	85+22@	167	9	Kerala
2	1	93+57@	77	121+61@	105	10	Madhya Pradesh
154+31@	212	13	23+1@	209+37@	281+1@	11	Maharashtra
		DATA	NOT	AVAILA	BLE	12	Manipur
26+9@	33+1@	6	5	39+10@	64+1@	13	Nagaland
	30	DATA	NOT	AVAILA	BLE	14	Orissa
26+7@		2	1	41+11@	73	15	Punjab
33+7@	31	12+3@	3	61+11@	53	16	Rajasthan
		DATA	NOT	AVAILA	BLE	17	Tamil Nadu
41+19@	43	96+31@	63	245+65@	344	18	Tripura
2	51	..	4	5	72	19	Uttar Pradesh
..	..	..	..	1	1	20	West Bengal
..	1	1	..	3	14	21	Meghalaya
..	..	20+1@	14	77+1@	34	22	Central Govt. Institutions.
..	..	7	14	7	14	23	Railways
..	..	..	..	..	..	24	Mines
..	2+1@	..	..	..	2+1@		<i>Union Territories</i>
..	..	..	..	..	..		(a) A & N Islands
..	..	..	..	..	..		(b) Chandigarh
9+5@	33	2	1	18+5@	41		(c) D&N Haveli
3+5@	4	..	..	4+5@	5		(d) Delhi
..	..	..	..	..	..		(e) Goa, Daman & Diu.
9	2	..	..	9	2		(f) Lakshdweep
		DATA	NOT	AVAILA	BLE.		(g) Arunachal Pradesh
							(h) Pondicherry
645+313@	926+2@	262+92@	226+1@	1251+449@	1749+3@		TOTAL ALL INDIA

Accidents.

Industrial Undertakings of Generating and Substation column.

**TECHNICAL STATISTICS**

**SECTION—6**

**PROGRESS OF ELECTRICITY SUPPLY—UTILITIES**

**SUB—SECTION —6.1—ALL INDIA**

**SUB—SECTION —6.2—STATES ETC.**

TABLE No. 6.1.1

Progress of Electricity Supply—All India—(Utilities only) Installed Plant Capacity &amp; Aggregate Maximum Demand.

Year	INSTALLED PLANT CAPACITY								Aggregate of maximum demand at generating stations M.W	
	Total MW	HYDRO MW.	% of Col.(2)	STEAM		GAS TURBINE & DIESEL		Nuclear		
				M.W.	% of Col. (2)	M.W.	% of Col.(2)	M.W.		% of Col.(2)
1	2	3	4	5	6	7	8	9	10	11
1939	1,069.72	442.17	41.33	540.76	50.55	86.79	8.12	..	..	575.80
1947	1,363.27	508.13	37.27	757.46	55.56	97.68	7.17	..	..	882.85
1948	1,410.97	515.56	36.54	788.39	55.87	107.02	7.59	..	..	965.78
1949	1,537.19	559.08	36.37	852.64	55.47	125.47	8.16	..	..	1008.00
1950	1,712.52	559.29	32.66	1,004.43	58.65	148.80	8.69	..	..	1,098.31
1951	1,835.43	575.18	31.34	1,097.57	59.80	162.68	8.86	..	..	1,205.19
1952	2,061.76	715.18	34.69	1,176.32	57.05	170.26	8.26	..	..	1,310.65
1953	2,305.19	731.18	31.72	1,393.72	60.46	180.29	7.82	..	..	1,416.35
1954	2,494.00	793.35	31.81	1,491.04	59.79	209.61	8.40	..	..	1,625.12
1955	2,694.82	939.48	34.86	1,546.81	57.40	208.53	7.74	..	..	1,894.67
1956	2,886.14	1,061.44	36.78	1,596.41	55.31	228.29	7.91	..	..	1,989.77
1957-58	3,223.11	1,213.92	37.66	1,763.26	54.71	245.93	7.63	..	..	2,288.21
1958-59	3,511.59	1,361.75	38.78	1,879.55	53.52	270.29	7.70	..	..	2,542.26
1959-60	3,873.17	1,530.15	39.51	2,047.01	52.85	296.01	7.64	..	..	2,931.36
1960-61	4,653.05	1,916.66	41.19	2,436.25	52.36	300.14	6.45	..	..	3,545.93
1961-62	5,218.82	2,419.10	46.35	2,471.02	47.35	328.70	6.30	..	..	3,971.21
1962-63	5,801.19	2,936.35	50.62	2,537.69	43.74	327.15	5.64	..	..	4,635.05
1963-64	6,575.94	3,167.02	48.16	3,007.63	45.74	401.29	6.10	..	..	5,548.50
1964-65	7,369.67	3,388.73	45.82	3,604.58	48.73	403.36	5.45	..	..	6,257.20
1965-66	9,027.02	4,123.75	45.68	4,417.11	48.93	486.16	5.39	..	..	7,306.13
1966-67	10,092.17	4,757.22	47.14	4,886.91	48.42	448.04	4.44	..	..	8,291.57
1967-68	11,883.16	5,486.92	46.17	5,975.41	50.29	420.83	3.54	..	..	9,702.79
1968-69	12,957.27	5,906.91	45.59	6,640.34	51.25	410.02	3.16	..	..	10,871.06
1969-70	14,102.45	6,134.77	43.50	7,196.39	51.03	351.29	2.49	420.00	2.98	11,946.18
1970-71	14,708.95	6,383.23	43.40	7,508.18	51.04	397.54	2.70	420.00	2.86	12,592.90
1971-72	15,254.37	6,611.61	43.34	7,818.38	51.26	404.38	2.65	420.00	2.75	13,333.09
1972-73	16,281.71	6,785.41	41.67	8,467.98	52.01	408.32	2.51	620.00	3.81	13,865.76
1973-74	16,663.56	6,963.30	41.79	8,651.76	51.93	406.50	2.44	640.00	3.84	14,478.71

**PROGRESS OF ELECTRICITY SUPPLY IN THE COUNTRY -  
INSTALLED PLANT CAPACITY (Utilities Only)**

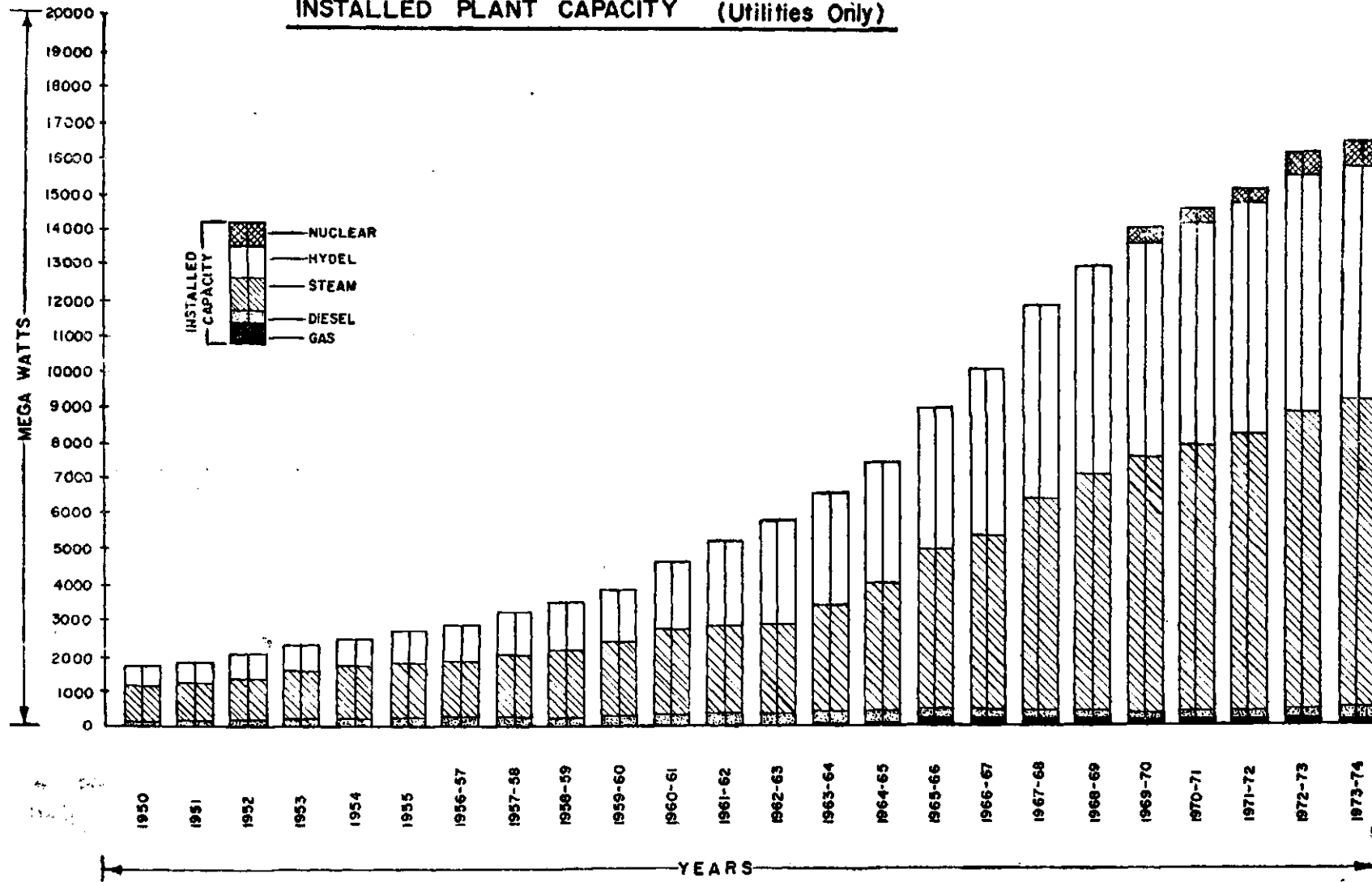


TABLE 6.1.2

Progress of Electricity Supply All India (Utilities only)—Energy Generated Gross &amp; KWH Generation per K.W. of Installed Capacity.

Year	ENERGY GENERATED (GROSS)							NUCLEAR		Kwh. Generated/Kw. of installed capacity				
	TOTAL M. kwh.	H Y D R O		S T E A M		G A S & D I E S E L		M. kwh.	% of col. (2)	Hydro	Steam	Gas & Diesel	I ar	Total (Utili- ties)
		M. kwh.	% of col. (2)	M. kwh	% of col. (2)	M. kwh	% of col. (2)							
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
1939	2,442.42	N.A.	..	N.A.	..	N.A.	..	..	..	N.A.	N.A.	N.A.	..	2,283
1947	4,073.32	2,194.54	53.87	1,733.98	42.58	144.80	3.55	..	..	4,319	2,289	1,482	..	2,988
1948	4,575.47	2,373.29	51.86	2,047.01	44.75	155.17	3.39	..	..	4,603	2,596	1,450	..	3,243
1949	4,909.29	2,489.87	50.72	2,243.67	45.70	175.75	3.58	..	..	4,454	2,631	1,401	..	3,194
1950	5,106.70	2,519.77	49.34	2,387.06	46.75	199.73	3.91	..	..	4,505	2,377	1,342	..	2,982
1951	5,858.40	2,859.70	48.81	2,779.42	47.44	219.64	3.75	..	..	4,971	2,532	1,350	..	3,192
1952	6,120.35	2,799.13	45.73	3,102.42	50.69	218.80	3.58	..	..	3,914	2,637	1,285	..	2,969
1953	6,697.19	2,913.86	43.51	3,572.79	53.35	210.54	3.14	..	..	3,985	2,563	1,168	..	2,905
1954	7,521.78	3,236.52	43.03	4,057.92	53.95	227.34	3.02	..	..	4,079	2,722	1,085	..	3,016
1955	8,592.45	3,742.24	43.55	4,618.86	53.76	231.35	2.69	..	..	3,983	2,986	1,109	..	3,189
1956-57	9,662.13	4,294.88	44.45	5,133.90	53.13	233.36	2.42	..	..	4,046	3,216	1,022	..	3,348
1957-58	11,369.14	5,072.24	44.61	6,042.45	53.15	254.45	2.24	..	..	4,178	3,427	1,035	..	3,527
1958-59	12,993.89	5,848.10	45.01	6,847.65	52.70	298.14	2.29	..	..	4,295	3,643	1,103	..	3,700
1959-60	15,032.95	7,027.42	46.75	7,678.43	51.08	327.10	2.17	..	..	4,593	3,751	1,105	..	3,881
1960-61	16,937.01	7,836.58	46.27	8,732.41	51.56	368.02	2.17	..	..	4,089	3,584	1,226	..	3,640
1961-62	19,669.95	9,814.38	49.90	9,475.88	48.17	379.69	1.93	..	..	4,057	3,835	1,155	..	3,769
1962-63	22,364.97	11,804.54	52.78	10,176.86	45.50	383.57	1.72	..	..	4,020	4,010	1,172	..	3,855
1963-64	26,817.57	13,956.70	52.04	12,506.13	46.64	354.74	1.32	..	..	4,407	4,158	884	..	4,78
1964-65	29,563.08	14,798.85	50.06	14,389.89	48.67	374.34	1.27	..	..	4,367	3,992	928	..	4,011
1965-66	32,990.12	15,224.97	46.15	17,372.18	52.66	392.97	1.19	..	..	3,692	3,933	808	..	3,655
1966-67	36,375.59	16,734.10	46.00	19,295.44	53.05	346.05	0.95	..	..	3,518	3,948	772	..	3,604
1967-68	41,194.64	18,658.06	45.29	22,232.75	53.97	303.83	0.74	..	..	3,401	3,721	722	..	3,467
1968-69	47,433.65	20,722.67	43.69	26,393.72	55.64	317.26	0.67	..	..	3,508	3,975	774	..	3,661
1969-70	51,988.72	23,046.05	44.33	27,296.87	52.51	306.80	0.59	1,339.00	2.57	3,757	3,793	873	3,188	3,687
1970-71	55,827.64	25,248.24	45.23	27,796.45	49.79	365.57	0.65	2,417.38	4.33	3,955	3,702	920	5,756	3,795
1971-72	60,925.63	28,024.22	46.00	31,237.28	51.27	474.81	0.78	1,189.32	1.95	4,239	3,995	1,174	2,832	3,994
1972-73	64,546.00	27,195.95	42.13	35,614.12	55.18	603.19	0.93	1,132.74	1.76	4,008	4,206	1,477	1,827	3,964
1973-74	66,689.03	28,971.84	43.45	34,853.08	52.26	467.75	0.70	2,396.36	3.59	4,161	4,028	1,151	3,744	4,002

# PROGRESS OF POWER GENERATION IN THE COUNTRY UTILITIES

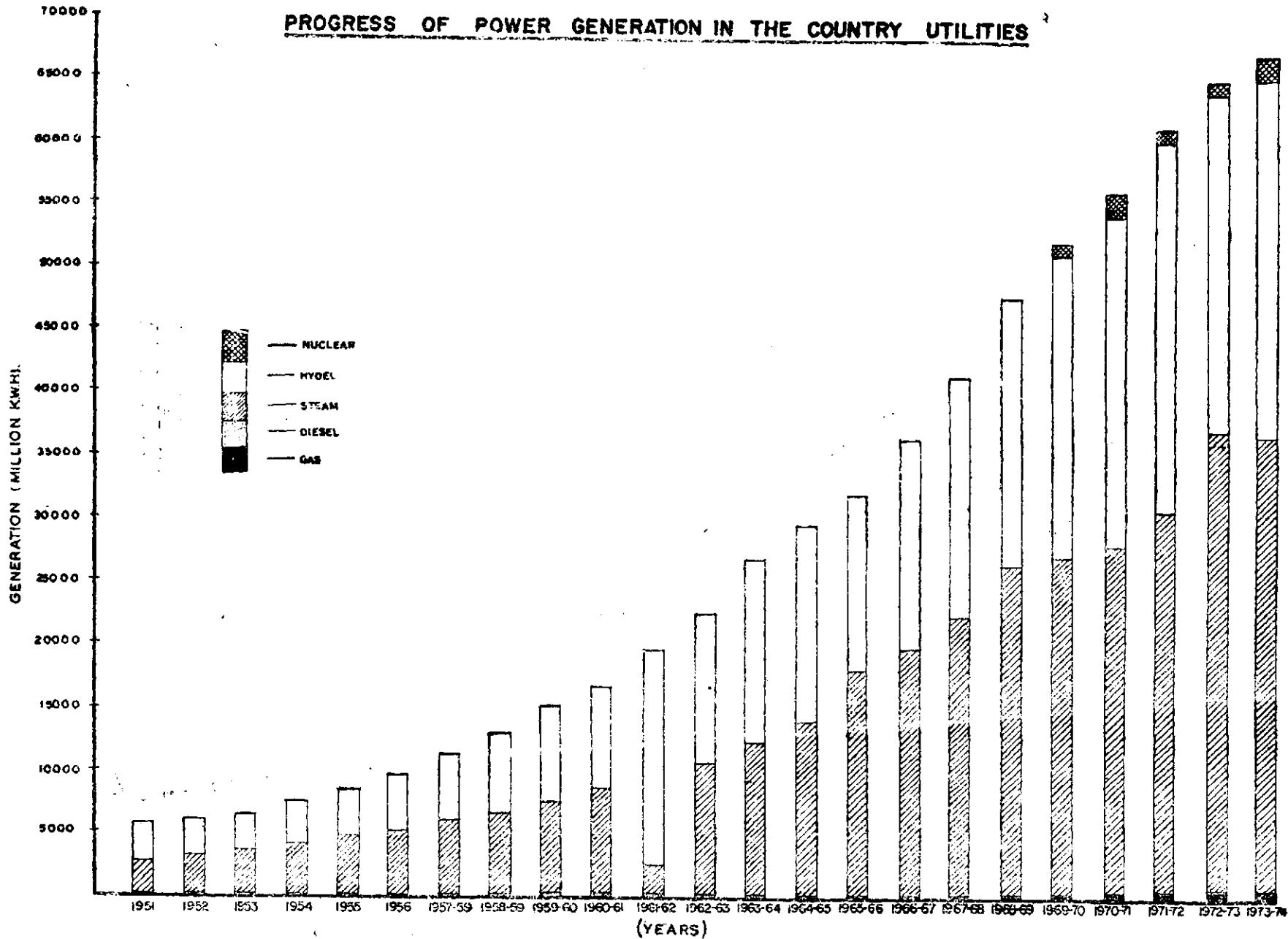




TABLE No. 6.1.3

## Progress of Electric Supply Industry (Utilities only) Energy Consumption and per Capita Consumption.

Year	Total Energy sold (MKWH)	% of Col. at 2				Agriculture	Other	Per capita consumption (KWH)	
		Domestic	Commercial	Industrial power	Traction			Utilities	Total including non-utility
1	2	3	4	5	6	7	8	9	10
1939	2,034.64	12.7A	A	66.2	10.6	3.2	7.3	N.A.	N.A.
1947	3,358.79	17.9	A	63.6	8.3	3.7	6.5	N.A.	N.A.
1948	3,721.46	11.0	6.3	65.4	7.9	3.3	6.1	N.A.	N.A.
1949	4,004.72	11.8	6.9	64.1	7.5	3.8	5.9	N.A.	N.A.
1950	4,156.66	12.6	7.5	62.6	7.4	3.9	6.0	10.1	14.6
1951	4,793.34	12.4	6.9	63.7	6.9	4.3	5.8	13.3	17.8
1952	5,005.68	12.6	6.7	64.0	6.5	4.3	5.9	13.4	17.9
1953	5,597.08	12.3	7.1	64.6	6.4	3.8	5.8	14.6	19.4
1954	6,250.50	12.1	7.1	65.2	6.1	3.7	5.8	16.0	20.9
1955	7,111.01	12.0	7.2	66.0	5.7	3.6	5.5	17.9	23.0
1956-57	7,959.34	11.7	6.8	66.9	5.1	4.0	5.5	20.7	26.4
1957-58	9,345.22	11.6	6.5	66.0	4.5	6.0	5.4	22.3	27.9
1958-59	10,718.61	11.5	6.3	67.5	4.1	5.5	5.1	25.2	30.7
1959-60	12,406.94	11.1	6.2	68.2	3.6	6.1	4.8	28.9	34.8
1960-61	13,840.37	10.7	6.1	69.4	3.3	6.0	4.5	31.9	38.2
1961-62	16,448.29	10.3	5.7	70.2	3.6	6.0	4.2	36.3	43.6
1962-63	18,679.02	10.3	5.6	70.2	3.9	5.9	4.1	41.0	48.5
1963-64	21,793.98	9.7	5.5	73.5	2.2	5.4	3.7	45.9	54.4
1964-65	24,219.27	9.2	5.9	71.8	3.7	5.8	3.6	49.8	57.5
1965-66	26,734.94	8.8	6.2	70.6	4.0	7.1	3.3	53.7	61.4
1966-67	29,127.64	9.0	6.2	70.0	4.1	7.2	3.5	58.1	66.2
1967-68	32,736.87	8.9	5.3*	69.8	4.0	7.9	4.1	63.6	71.6
1968-69	37,352.35	8.5	5.7	69.3	3.3	9.3	3.9	70.8	77.9
1969-70	41,061.70	8.6	5.7	69.1	3.5	9.2	3.9	76.0	83.5
1970-71	43,724.16	8.8	5.9	67.6	3.2	10.2	4.3	80.9	89.8
1971-72	47,063.20	8.7	6.3	67.2	3.5	10.6	3.7	84.4	93.8
1972-73	49,088.06	8.8	5.7	65.7	3.7	12.0	4.1	86.9	96.3
1973-74	50,246.38	9.2	6.0	64.6	3.0	12.6	4.6	87.15	97.48

\* —From the year 1967-68 onwards consumption of Misc. category has been shown under col.No.8.

A —Including commercial.

**PER CAPITA CONSUMPTION OF ELECTRICITY (K.W.H)**

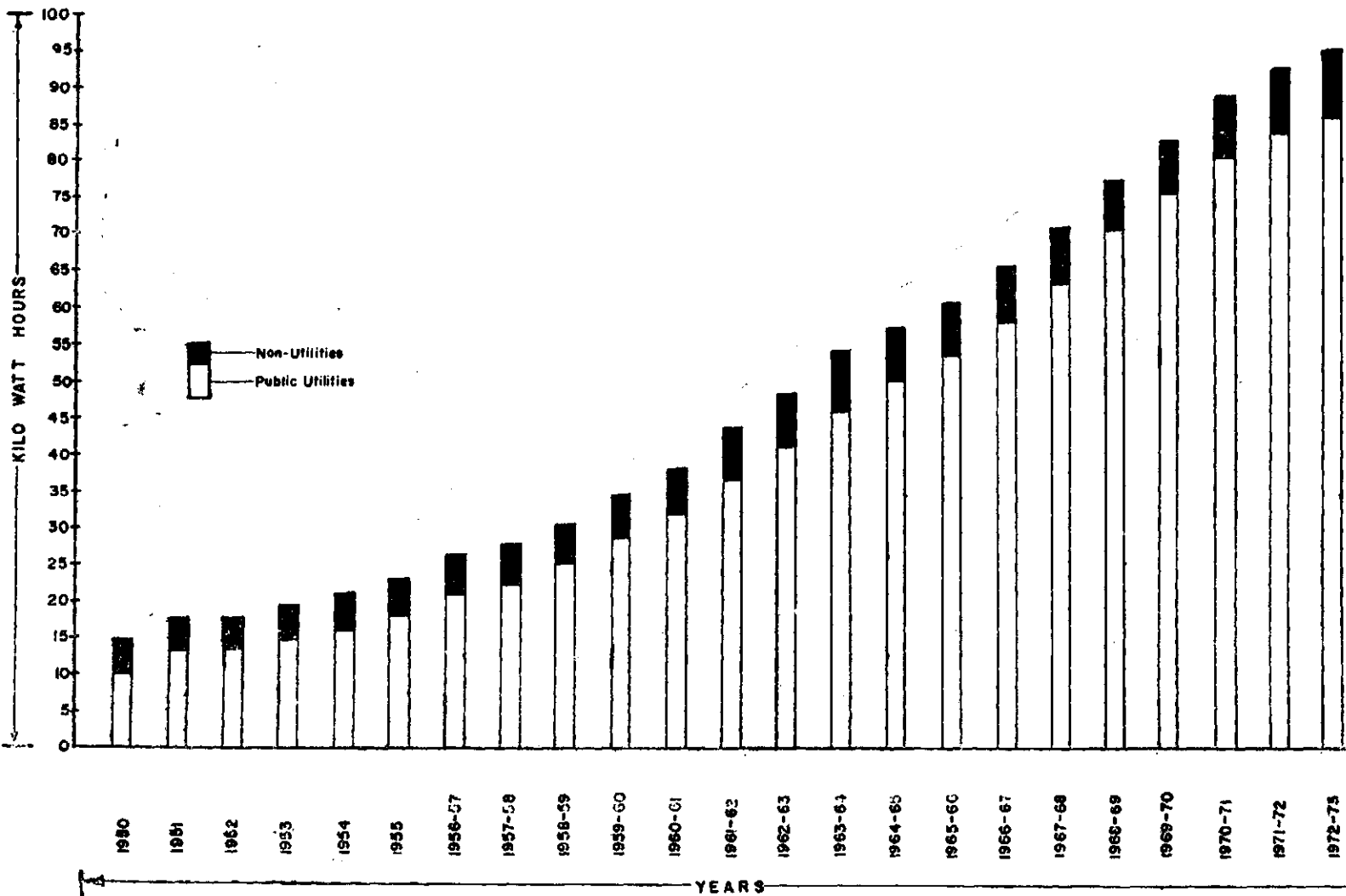


TABLE NO. 6.1.4

*Index Number of Public Electricity Supply Utilities—All India*

	31-12-50	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-7
1	2	3	4	5	6	7	8
<i>Installed plant capacity at the end of</i>							
(a) Hydro . . . . .	100	160.0	342.7	757.8	1056.1	1,213.17	1,245.33
(b) Steam (Including Nuclear) . . . . .	100	154.0	242.6	439.8	661.1	904.79	925.08
(c) Gas Turbine & Diesel . . . . .	100	140.0	201.7	326.7	275.6	274.44	273.21
(d) All Types . . . . .	100	157.4	271.8	527.2	756.6	950.68	972.97
<hr/>							
	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<i>Energy Generated</i>							
(a) Hydro . . . . .	100	150.1	274.0	532.4	724.6	951.03	1013.12
(b) Steam (including Nuclear) . . . . .	100	184.1	314.2	625.1	947.2	1,322.3	1,291.17
(c) Gas Turbine & Diesel . . . . .	100	106.2	167.5	178.6	144.5	274.65	212.98
All Types . . . . .	100	164.9	289.1	563.1	809.7	1,101.79	1,138.37
(d) (i) Coal Consumption* . . . . .	100	166.4	257.4	414.6	557.2	942.77	924.59
(ii) Dies Oil consumption in Gas Turbine & Diesel Power Stations . . . . .	100	104.3	153.1	233.1	80.6	72.42	55.19
Aggregate Maximum Demand . . . . .	100	165.1	294.2	606.2	902.0	1,150.28	1,201.12
<i>Energy Sales</i>							
Domestic Light & Small power . . . . .	100	157.2	251.2	396.4	536.0	725.32	781.80
Commercial Light & small power . . . . .	100	165.4	256.9	500.0	713.7	843.03	905.25
Industrial Power . . . . .	100	174.0	317.0	617.1	846.4	1,053.83	1,061.86
Public Lighting . . . . .	100	173.2	285.8	413.6	550.4	769.57	817.79
Railways/Tramways . . . . .	100	122.9	137.7	324.4	378.2	555.44	464.44
Agricultural . . . . .	100	155.7	410.2	931.7	1,706.7	2,914.58	3,107.71
Public Water Works & Sewage Pumping . . . . .	100	150.9	207.6	297.5	398.4	520.81	531.58
All Categories . . . . .	100	166.1	208.9	557.8	779.2	1,024.08	1,048.25

\* Excludes wood and lignite

Base :— (a) For installed capacity 31-12-50 (nearest available for the beginning of First Plant)

(b) For generation and sales : 1951 (calendar year)

TABLE No. 6.2.1

## Progress of Electricity Supply—Andhra Pradesh

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	66.000	166.150	152.92	272.93	267.93	267.93
Steam . . . . .	46.000	46.000	83.500	113.50	326.00	382.50	382.50
Diesel . . . . .	13.164	19.876	20.188	12.13	6.14	0.07	..
Gas Turbine . . . . .	..	..	..	20.00	20.00	20.00	20.00
<b>TOTAL</b> . . . . .	59.164	131.876	269.838	298.55	625.07	670.50	670.43

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (Gross) (Million kWh)</b>							
Hydro . . . . .	..	169.364	748.743	764.61	1,127.61	1,116.90	1,093.98
Steam . . . . .	89.612	60.177	145.836	510.38	1,217.75	2,030.28	2,192.06
Gas Turbine . . . . .	..	..	..	38.41	0.36	23.28	4.04
Diesel . . . . .	14.328	9.661	5.450	6.77	0.12	..	..
<b>TOTAL</b> . . . . .	103.940	239.202	900.029	1,320.17	2,345.84	3,170.46	3,290.08
Purchase from non-utilities . . . . .	N.A.	N.A.	..	2.21	..	..	..
Used by power station auxiliaries . . . . .	..	..	23.237	43.77	105.36	158.46	177.65
<b>Sale (Within the State)</b>							
Domestic light & small power . . . . .	20.946	32.67	0.82	85.75	125.84	193.78	211.02
Commercial light & small power . . . . .	18.657	38.81	30.32	172.90	193.81	205.04	243.34
Industrial power . . . . .	44.297	88.64	393.33	574.37	903.86	1,144.56	1,336.82
Public lighting . . . . .	5.873	0.03	14.87	20.35	26.53	30.25	29.07
Railway/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	4.905	10.46	54.83	172.66	337.16	530.60	587.89
Public Water Works & Sewage Pumping . . . . .	3.493	6.41	7.40	22.31	48.35	48.60	52.00
Miscellaneous . . . . .	..	..	..	..	2.80	15.30	12.50
<b>TOTAL</b> . . . . .	98.171	177.02	501.57	1,048.34	1,638.35	2,168.13	2,472.64
Per Capita consumption (Utility & Non-utility) . . . . .	N.A.	N.A.	19.2	30.9	43.06	53.97	60.58

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	2,78,943	5,24,778	8,28,186	1,344,546	14,33,745
Total No. of villages electrified . . . . .	119	517	2,433	4,099	5,535	9,761	10,262
Total length of Transmission lines (11 KV & above) Circuit Kiloms . . . . .	N.A.	N.A.	18,162	27,551	36,041	55,897	58,268
Total length of distribution lines (below 11KV) Circuit Kiloms . . . . .	N.A.	N.A.	700	23,525	33,892	63,421	67,238
No of pump sets . . . . .	N.A.	N.A.	17,968	57,225	123,167	23,7201	261,989
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	24.71	26.52	28.46	25.42

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

TABLE NO. 6.2.2

## Progress of Electricity Supply—Assam.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro . . . . .	0.55	0.55	9.27	45.94	48.71	66.71	66.71
Steam . . . . .	0.20	0.62	..	..	..	35.00	35.00
Diesel . . . . .	2.59	4.11	10.16	32.10	27.99	26.24	26.24
Gas Turbine . . . . .	..	..	..	81.50	81.50	81.50	69.00
<b>TOTAL</b>	<b>3.34</b>	<b>5.28</b>	<b>19.43</b>	<b>159.54</b>	<b>158.20</b>	<b>209.45</b>	<b>196.95</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (Million Kwh) (Gross)</b>							
Hydro . . . . .	2.130	2.90	20.88	56.39	108.32	219.12	198.49
Stam . . . . .	0.001	..	..	..	..	2.40	45.09
Diesel . . . . .	4.469	8.37	15.34	26.65	18.85	11.32	12.66
Gas Turbine . . . . .	2.130	..	..	14.86	121.87	249.02	267.29
<b>TOTAL</b>	<b>8.730</b>	<b>11.27</b>	<b>36.22</b>	<b>97.90</b>	<b>249.04</b>	<b>481.86</b>	<b>523.52</b>
Used by power station auxiliaries . . . . .	..	..	1.27	4.92	6.17	9.42	12.84
Energy Purchased from non utilities . . . . .	..	..	..	..	..	..	..
<b>Sales (Within the State)</b>							
Domestic Light & small Power . . . . .	2.08	3.33	9.90	23.59	29.36	50.05	43.55
Commercial light and small power . . . . .	2.06	3.69	4.21	19.33	49.92	79.96	78.43
Industrial Power . . . . .	0.77	1.38	11.83	23.59	99.19	235.13	184.92
Public Lighting . . . . .	0.61	0.74	2.70	3.65	3.89	5.22	4.48
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	0.11	0.40	1.50	2.00
Public Water Works & Sewage Pumping . . . . .	0.07	0.14	0.46	0.76	4.06	7.30	6.50
Miscellaneous . . . . .	..	..	..	..	3.51	1.80	60.37 'A'
<b>TOTAL</b>	<b>5.59</b>	<b>9.28</b>	<b>29.10</b>	<b>71.03</b>	<b>190.33</b>	<b>380.96</b>	<b>380.25</b>
Per Capita consumption (utility & non-utility) in Kwh. . . . .	N.A.	N.A.	3.6	7.8	14.90	26.15	25.60

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	7,428	9,971	18,834	41,032	48,582	103,423	104,772
Total No. of villages electrified . . . . .	..	..	13	66	331	821	1,146@@
Total length of Transmission lines (11KV & above) . . . . .	..	..	123	2,247	2,557	8,762	9,198
Circuit Kilomrs Total length of distribution lines (below 11KV) . . . . .	12	23	35	1,521	1,354	3,607	4,549
Circuit Kilomrs . . . . .	..	..	..	..	..	..	..
No. of pumpsets . . . . .	Nil	Nil	Nil	Nil	55	661	705
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	23.61	20.54	15.56	19.43

'A'—Includes Tea Gardens consumption.

@@ As per 1971 census

@ Includes Meghalaya

TABLE No. 6.2.3

## Progress of Electricity Supply—Bihar

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity @ (MW)</b>							
Hydro		4.00	44.00	44.00		14.40	15.00
Steam	39.51	185.05	288.52	608.77	222.77	572.77	572.77
Diesel	7.49	15.40	18.37	19.52	16.41	16.40	16.52
<b>TOTAL</b>	<b>47.00</b>	<b>204.45</b>	<b>350.89</b>	<b>672.29</b>	<b>239.18</b>	<b>603.57</b>	<b>604.29</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation @ (Mkwh)</b>							
Hydro	..	2.15	143.66	124.51	..	4.32	4.59
Steam	118.87	580.12	1,403.55	3,079.56	609.29	2,041.29	1,980.11
Diesel	13.16	20.96	44.62	22.80	18.04	5.10	5.62
<b>TOTAL</b>	<b>132.03</b>	<b>603.23</b>	<b>1596.83</b>	<b>3,226.87</b>	<b>627.33</b>	<b>2,050.71</b>	<b>1,990.32</b>
Purchased from Non-utilities	N.A.	N.A.	28.79	..	4.01	62.91	4.02
Used by power station auxiliaries @	N.A.	N.A.	98.62	300.68	77.39	236.71	229.28
<b>Sales (Within the State)*</b>							
Domestic Light & small power	14.82	27.14	44.31	61.09	78.92	103.85	110.55
Commercial light & small power	6.06	13.40	29.83	69.35	88.94	111.28	117.13
Industrial power	87.85	298.54	776.40	1,397.25	1,067.72	2,000.08	2,006.60
Public lighting	1.09	1.94	3.65	4.80	5.04	6.30	6.45
Agricultural	4.60	4.27	18.26	29.33	67.88	75.03	73.81
Railways/Tramways	..	..	4.53	343.09	244.14	364.19	322.87
Public Water Works & Sewage pumping	4.17	8.13	12.24	27.64	31.38	40.65	42.05
Miscellaneous	..	..	..	..	..	7.47	7.80
<b>TOTAL</b>	<b>118.59</b>	<b>353.42</b>	<b>889.22</b>	<b>1,932.55</b>	<b>1,584.02</b>	<b>2,708.85</b>	<b>2,687.26</b>
Per capita consumption (Utility & non-utility) in Kwh.	N.A.	N.A.	41.5	57.7	60.96	66.19	71.03

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers	22,199	72,599	42,264	311,145	457,377	593,995	62,2558
Total No. of villages electrified	4	300	2,305	3,744	6,350	9,091	9,775
Total length of transmission lines (11KV & above) Circuit Kilometers	596	7,951	15,885	19,983	26,058	37,178	38,784
Total length of distribution lines (below 11KV Circuit Kilometers)	230	379	327	12,856	24,764	37,431	37,500
No of pumpsets	47	697	3,200	10,600	50,005	87,657	96,922
Transmission & distribution losses (%) for the year	N.A.	N.A.	N.A.	11.56	17.80	20.60	24.00

NOTE.—@—Data included DVC (Bihar portion) upto 1965-66. From the year 1968-69 onwards DVC have been excluded and shown separately.

\* Sales to ultimate consumers by DVC in Bihar included.

TABLE NO. 6.2.4

## Progress of Electricity Supply—Gujarat.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	108.92	183.60	280.00	609.60	619.60	899.60	883.00
Diesel . . . . .	32.95	40.61	52.37	41.02	41.94	19.25	16.60
Gas . . . . .	..	..	..	..	..	54.00	54.00
Nuclear . . . . .	..	..	..	..	..	210.00	'A'
<b>TOTAL . . . . .</b>	<b>141.88</b>	<b>224.21</b>	<b>333.27</b>	<b>650.62</b>	<b>661.54</b>	<b>1,182.85</b>	<b>953.60</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (M. Kwh)</b>							
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	316.41	739.37	1,209.14	2,155.48	3,255.42	4,430.31	4,610.73
Diesel . . . . .	57.24	51.58	62.08	51.90	25.10	5.59	3.07
Gas . . . . .	..	..	..	..	..	182.00	63.83
Nuclear . . . . .	..	..	..	..	..	566.37	'A'
<b>TOTAL . . . . .</b>	<b>373.65</b>	<b>790.95</b>	<b>1,271.22</b>	<b>2,207.38</b>	<b>3,280.52</b>	<b>5,184.27</b>	<b>4,677.63</b>
Purchased from non-utilities . . . . .	..	..	..	0.87	73.31	114.94	60.94
Used by powerstation auxiliaries . . . . .	..	..	82.62	177.76	240.37	374.39	347.56
<b>Sales within the State</b>							
Domestic light & small power . . . . .	30.90	46.73	71.57	141.54	194.07	276.00	317.33
Commercial light & small power . . . . .	12.33	14.94	31.66	48.98	76.53	125.93	146.32
Industrial power . . . . .	266.69	590.40	805.96	1,421.15	1,957.42	2,702.36	2,779.15
Public lighting . . . . .	5.89	8.98	15.27	22.23	28.90	41.25	46.38
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	1.33	6.06	19.61	100.53	334.75	661.22	627.87
Public Water Works & Sewage Pumping . . . . .	12.08	26.75	39.56	62.04	75.70	115.81	110.90
Miscellaneous . . . . .	..	..	..	..	12.33	17.33	17.41
<b>TOTAL . . . . .</b>	<b>329.22</b>	<b>693.86</b>	<b>983.63</b>	<b>1,796.47</b>	<b>2,679.70</b>	<b>3,939.9</b>	<b>4,045.36</b>
Per capita consumption (utilities and non-utilities) in Kwh . . . . .	..	..	..	..	116.11	152.82	153.60

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	412,866	825,383	980,664	1,626,296	17,85,363
Total No. of villages electrified . . . . .	37	130	678	1,671	2,869	5,260@@	5,638@@
Total length of Transmission lines (11KV & above) Circuit Kilometers . . . . .	N.A.	N.A.	6,051	16,282	26,904	42,589	44,204
Total length of distribution lines (below 11KV) Circuit Kilometers . . . . .	N.A.	N.A.	565	12,576	19,223	36,606	39,137
No. of pumpsets . . . . .	910	2,825	6,963	14,155	42,085	92,419	102,683
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	11.51	16.64	19.20	20.99

NOTE :—50% of Tarapore Nuclear Power Station installed capacity and generation till now shown in Maharashtra is included in "Central Govt. Undertakings" table from the year 1973-74.

@@—As per 1971 census

TABLE No. 6.2.5  
Progress of Electricity supply—Haryana\*\*

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro	..	..	..	245.69	408.47	408.47	408.47
Steam	1.30	6.75	6.30	28.10	90.60	90.60	90.60
Diesel	6.99	7.52	4.31	6.32	5.34	4.99	4.99
<b>TOTAL</b>	<b>8.29</b>	<b>14.27</b>	<b>10.61</b>	<b>280.11</b>	<b>504.41</b>	<b>504.06</b>	<b>504.06</b>
<b>Energy (Million Kwh) Generation</b>							
Hydro	..	..	..	1,083.26	1,472.82	1,523.83	1,970.60
Steam	2.88	6.77	6.66	14.15	200.52	464.33	449.44
Diesel	6.87	4.05	0.86	3.68	0.30	3.27	0.49
<b>TOTAL</b>	<b>9.75</b>	<b>10.82</b>	<b>7.52</b>	<b>1,101.09</b>	<b>1,673.64</b>	<b>1,991.43</b>	<b>2,420.53</b>
Used by Power station auxiliaries	..	..	..	1.34	24.00	40.40	42.52
Purchased from non-utilities	..	..	..	..	..	..	..
<b>Sales within the state</b>							
Domestic light and small power	..	..	..	..	42.30	76.29	87.81
Commercial light and small power	..	..	..	..	35.00	86.18	76.81
Industrial power	..	..	..	..	404.58	580.53	697.71
Public lighting	..	..	..	..	3.41	4.72	4.98
Railways/Tramways	..	..	..	..	..	..	..
Agricultural	..	..	..	..	69.32	499.28	528.31
Public water works and Sewage pumping	..	..	..	..	..	9.32	..
Miscellaneous	..	..	..	..	0.81	5.98	5.51
<b>TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>655.42</b>	<b>1,262.30</b>	<b>1,401.33</b>
Per capita consumption utilities and non-utilities	..	..	..	..	75.22	129.90	140.78
<b>Other Statistics</b>							
	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers	@	@	@	@	411,797	676,647	717,767
Total No. of villages electrified	..	99	570	1,179	1,464	6,669	6,669
Total length of transmission lines (11 KV & above Circuit Kiloms.)	@	@	@	@	13,365	31,893	33,445
Total length of distribution lines (below 11 KV) Circuit Kiloms.	@	@	@	@	17,608	41,974	44,764
No. of pumpsets	N.A.	743	3,526	15,220	45,385	116,409	127,947
Transmission & Distribution losses (%) for the year.	@	@	@	@	30.90	25.67	29.22

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

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

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

⊙—Included in Punjab.



TABLE No. 6.2.6(6)

## Progress of Electricity Supply—Himachal Pradesh\*

Year	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	..	..	..	2.85	48.90	48.97
Diesel . . . . .	..	..	..	..	2.13	2.55	2.45
<b>TOTAL</b> . . . . .	..	..	..	..	5.00	51.45	51.42

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (MKW.)</b>							
Hydro . . . . .	..	..	..	..	15.53	174.13	173.11
Diesel . . . . .	..	..	..	..	0.07	0.29	0.10
<b>TOTAL</b> . . . . .	..	..	..	..	15.60	174.42	173.21
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
Used by Power station auxiliaries . . . . .	..	..	..	..	0.70	0.89	0.93
<b>Sale (within the State)</b>							
Domestic light and small power . . . . .	..	..	..	..	18.63	29.36	38.57
Commercial light and small power . . . . .	..	..	..	..	15.72	17.95	20.44
Industrial power . . . . .	..	..	..	..	17.02	24.37	30.88
Public lighting . . . . .	..	..	..	..	1.24	1.49	1.66
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	..	13.61	1.38	1.40
Public Water works and sewage pumping . . . . .	..	..	..	..	..	15.29	12.32
Miscellaneous . . . . .	..	..	..	..	0.28	77.96	95.23
<b>TOTAL</b> . . . . .	..	..	..	..	66.50	167.80	200.50
Per capita consumption (utilities and non-utilities) in kWh	..	..	..	..	16.02	48.51	56.96

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	N.A.	28,207	46,052	228,330	258,353
Total No. of villages electrified . . . . .	9	93	670	1,438	2,191	3,457@@	4,500@@
Total length of Transmission lines (11 KV & above) Circuit Kiloms.	N.A.	N.A.	N.A.	1,055	2,599	5,458	6,103
Total length of distribution lines (below 11 KV) Circuit Kiloms.	N.A.	N.A.	N.A.	1,026	3,533	6,134	7,351
Number of Pumpsets . . . . .	Nil	2	20	88	306	786	1,032
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	11.40	15.32	17.56	18.67

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

£ —Includes supply to Power Project in Himachal Pradesh.

@@—As per 1971 census.

TABLE No. 6.2.7(7)  
Progress of Electricity Supply—Jammu & Kashmir

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	4.514	10.606	10.612	28.07	26.92	40.72	51.72
Steam . . . . .	1.500	1.500	1.500	1.50	7.50	22.50	22.50
Diesel . . . . .	0.465	0.769	0.869	1.54	5.92	5.94	7.92
<b>TOTAL</b> . . . . .	<b>6.479</b>	<b>12.875</b>	<b>12.981</b>	<b>31.11</b>	<b>40.34</b>	<b>69.16</b>	<b>82.14</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (Gross) (Million Kwh)</b>							
Hydro . . . . .	23.479	23.896	43.489	N.A.	123.02	207.69	206.20
Steam . . . . .	1.774	..	..	N.A.	N.A.	25.00	11.26
Diesel . . . . .	0.261	0.075	0.025	N.A.	10.93	8.94	7.29
<b>TOTAL</b> . . . . .	<b>25.514</b>	<b>23.971</b>	<b>43.514</b>	<b>..</b>	<b>133.95</b>	<b>241.63</b>	<b>224.75</b>
Used by power Station auxiliaries . . . . .	..	..	0.509	..	9.70	7.74	1.50
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
<b>Sales (within the State)</b>							
Domestic light and small power . . . . .	7.660	8.864	22.500	Data	48.82	70.50	74.00
Commercial light and small power . . . . .	0.811	0.176	1.000	not	31.04	19.25	21.00
Industrial power . . . . .	6.318	6.424	22.000	available	31.30	66.50	72.00
Public lighting . . . . .	0.552	0.566	1.300	..	Neg.	3.60	4.50
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	0.424	0.302	0.700	..	31.32	11.30	16.00
Public Water Works and Sewage pumping . . . . .	1.610	2.086	3.500	..	6.59	17.35	21.00
Miscellaneous . . . . .	..	..	..	..	..	..	..
<b>TOTAL</b> . . . . .	<b>17.375</b>	<b>18.418</b>	<b>51.00</b>	<b>..</b>	<b>131.07</b>	<b>188.50</b>	<b>208.50</b>
Per capita consumption (utilities and non-utilities) in kwh . . . . .	N.A.	N.A.	14.25	N.A.	33.18	39.63	42.96

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total number of consumers . . . . .	36,173	42,139	51,052	N.A.	144,160	221,418	226,829
Total No. of villages electrified . . . . .	..	..	32	383	614	866	1,380@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs. . . . .	147	259	565	N.A.	2,712	2,904	3,522
Total length of distribution lines (below 11 KV) Circuit Kilomrs . . . . .	208	208	141	N.A.	N.A.	3,800	4,330
No. of Pumpsets . . . . .	N.A.	10	85	104	162	325	402
Transmission & Distribution losses for the year . . . . .	N.A.	N.A.	N.A.	N.A.	29.29	30.28	29.15

@@:—As per 1971 census.

TABLE No. 6.2.8

## Progress of Electricity Supply—Karnataka

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	107.20	178.20	178.20	432.00	788.40	966.60	966.60
Steam . . . . .	0.06	..	..	1.10	..	..	..
Gas Turbine . . . . .	..	..	..	10.00	10.00	..	..
Diesel . . . . .	7.68	12.26	12.88	12.53	0.65	0.06	..
<b>TOTAL</b>	<b>114.94</b>	<b>190.46</b>	<b>191.08</b>	<b>455.63</b>	<b>799.05</b>	<b>966.66</b>	<b>966.60</b>
<b>Energy Generation (M. kWh)</b>							
Hydro . . . . .	525.34	809.73	1,038.76	1,916.07	2,517.67	4,423.01	4,578.48
Steam . . . . .	..	..	..	1.63	..	..	..
Gas Turbine . . . . .	..	..	..	0.61	..	..	..
Diesel . . . . .	13.16	16.45	19.24	17.52	0.02	Neg.	..
<b>TOTAL</b>	<b>538.50</b>	<b>826.18</b>	<b>1,058.00</b>	<b>1,935.83</b>	<b>2,517.69</b>	<b>4,423.01</b>	<b>4,578.48</b>
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	16.65	9.60	10.63	14.11	14.82
<b>Sales (Within the States)</b>							
Domestic light & small power . . . . .	31.99	55.49	75.25	131.26	188.54	287.79	304.76
Commercial light & power . . . . .	8.73	17.79	21.30	27.29	70.66	72.46	75.43
Industrial power . . . . .	292.17	486.23	731.89	1,035.51	1,392.72	2,713.59	2,812.97
Public lighting . . . . .	7.14	13.84	18.88	28.68	43.17	63.51	77.76
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	6.97	16.47	28.72	66.02	124.50	237.54	239.32
Public Water Works & Sewage pumping . . . . .	37.03	42.57	58.92	92.85	95.40	111.21	103.29
Miscellaneous . . . . .	..	..	..	..	0.02	..	0.04
<b>TOTAL</b>	<b>384.03</b>	<b>632.39</b>	<b>934.96</b>	<b>1,381.61</b>	<b>1,915.01</b>	<b>3,486.10</b>	<b>3,633.57</b>
Per capita consumption (utilities and non-utilities) in Kwh.	N.A.	N.A.	44.2	55.1	69.82	118.16	120.95
<b>Other Statistics</b>							
Total No. of consumers . . . . .	N.A.	N.A.	367,497	614,938	871,146	1,328,652	1,458,320
Total No. of village selctified . . . . .	551	1,570	2,920	4,627	7,255	11,700	12,644@@
Total length of Transmission lines (11KV & above) Circuit Kiloms. . . . .	N.A.	N.A.	12,704	21,413	39,947	57,290	70,460
Total length of distribution lines (below 11 KV) Circuit Kiloms. . . . .	N.A.	N.A.	8,053	31,576	58,186	97,399	124,668
No. of pumpsets . . . . .	2,460	8,003	16,888	42,371	91,826	170,206	189,688
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	16.34	15.84	16.72	18.65

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

@@—As per 1971 census.

TABLE No. 6.2.9(8)

## Progress of Electricity Supply—Kerala

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity (MW)</i>							
Hydro . . . . .	28,500	85,500	132,500	192,50	545.00	621.50	621.50
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	4.170	4.277	4.762	4.60	1.60	1.60	3.20
<b>TOTAL</b> . . . . .	<b>32,670</b>	<b>89,777</b>	<b>137,262</b>	<b>197.10</b>	<b>546.60</b>	<b>623.10</b>	<b>624.70</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<i>Energy Generation (Million kwh)</i>							
Hydro . . . . .	152,179	349,599	581,818	840.34	1,623.00	2,348.92	2,560.78
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	1,460	0,132	..	1.60	Neg.	..	0.08
<b>TOTAL</b> . . . . .	<b>153,639</b>	<b>349,731</b>	<b>581,818</b>	<b>841.94</b>	<b>1,623.00</b>	<b>2,348.92</b>	<b>2,560.86</b>
Used by power Station auxiliaries .	..	..	18,394	18.82	17.22	18.12	23.29
Purchased from Non-utilities .	..	..	..	..	..	..	..
<i>Sales within the State</i>							
Domestic light and small power .	13,748	22,890	51,073	89.93	80.45	123.34	155.06
Commercial light and small power	2,697	2,291	3,851	14.43	58.29	85.34	90.13
Industrial Power . . . . .	140,939	223,592	396,407	602.90	1,117.14	1,344.31	1,402.15
Public lighting . . . . .	1,604	2,722	8,358	10.55	16.29	29.33	29.64
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	6,170	10,721	18,287	24.03	43.21	76.27	91.72
Public Water works and Sewage Pumping . . . . .	3,292	7,001	7,844	7.96	4.43	12.37	16.95
Misc. . . . .	..	..	..	..	0.58	..	6.83
<b>TOTAL</b> . . . . .	<b>168,450</b>	<b>269,217</b>	<b>485,820</b>	<b>749.80</b>	<b>1,320.39</b>	<b>1,670.96</b>	<b>1,792.48</b>
Per capita consumption (utilities) in kwh. . . . .	N.A.	N.A.	28.75	41.80	67.56	79.45	84.75

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	207,667	362,080	483,690	762,045	814,839
Total No. of villages electrified .	159	381	872	1,083	1,137	1,338	1,375
Total length of Transmission lines (11 KV & above) Circuit Kiloms.	N.A.	N.A.	7,537	9,002	9,864	12,604	13,172
Total length of distribution lines (below 11KV) Circuit Kiloms.	N.A.	N.A.	161	15,128	16,505	25,332	27,140
No. of pumpsets . . . . .	N.A.	N.A.	2,666	6,957	13,909	33,270	37,661
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	20.06	16.92	15.95	16.86

TABLE No. 6.2.2

## Progress of Electricity Supply—Assam.@

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro . . . . .	0.55	0.55	9.27	45.94	48.71	66.71	66.71
Steam . . . . .	0.20	0.62	..	..	..	35.00	35.00
Diesel . . . . .	2.59	4.11	10.16	32.10	27.99	26.24	26.24
Gas Turbine . . . . .	..	..	..	81.50	81.50	81.50	69.00
<b>TOTAL</b> . . . . .	<b>3.34</b>	<b>5.28</b>	<b>19.43</b>	<b>159.54</b>	<b>158.20</b>	<b>209.45</b>	<b>196.95</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (Million Kwh) (Gross)</b>							
Hydro . . . . .	2.130	2.90	20.88	56.39	108.32	219.12	198.49
Steam . . . . .	0.001	..	..	..	..	2.40	45.09
Diesel . . . . .	4.469	8.37	15.34	26.65	18.85	11.32	12.66
Gas Turbine . . . . .	2.130	..	..	14.86	121.87	249.02	267.29
<b>TOTAL</b> . . . . .	<b>8.730</b>	<b>11.27</b>	<b>36.22</b>	<b>97.90</b>	<b>249.04</b>	<b>481.86</b>	<b>523.52</b>
Used by power station auxiliaries . . . . .	..	..	1.27	4.92	6.17	9.42	12.84
Energy Purchased from non utilities . . . . .	..	..	..	..	..	..	..
<b>Sales (Within the State)</b>							
Domestic Light & small Power . . . . .	2.08	3.33	9.90	23.59	29.36	50.05	43.55
Commercial light and small power . . . . .	2.06	3.69	4.21	19.33	49.92	79.96	78.43
Industrial Power . . . . .	0.77	1.38	11.83	23.59	99.19	235.13	184.92
Public Lighting . . . . .	0.61	0.74	2.70	3.65	3.89	5.22	4.48
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	0.11	0.40	1.50	2.00
Public Water Works & Sewage Pumping . . . . .	0.07	0.14	0.46	0.76	4.06	7.30	6.50
Miscellaneous . . . . .	..	..	..	..	3.51	1.80	60.37 'A'
<b>TOTAL</b> . . . . .	<b>5.59</b>	<b>9.28</b>	<b>29.10</b>	<b>71.03</b>	<b>190.33</b>	<b>380.96</b>	<b>380.25</b>
Per Capita consumption (utility & non- utility) in Kwh. . . . .	N.A.	N.A.	3.6	7.8	14.90	26.15	25.60

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	7,428	9,971	18,834	41,032	48,582	103,423	104,772
Total No. of villages electrified . . . . .	..	..	13	66	331	821	1,146@@
Total length of Transmission lines (11KV & above) . . . . .	..	..	123	2,247	2,557	8,762	9,198
Circuit Kiloms Total length of distribution lines (below 11KV) . . . . .	12	23	35	1,521	1,354	3,607	4,549
No. of pumpsets . . . . .	Nil	Nil	Nil	Nil	55	661	705
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	23.61	20.54	15.56	19.43

'A'—Includes Tea Gardens consumption.

@@ As per 1971 census

@ Includes Meghalaya

TABLE No. 6.2.3

## Progress of Electricity Supply—Bihar

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity @ (MW)</b>							
Hydro	..	4.00	44.00	44.00	..	14.40	15.00
Steam	39.51	185.05	288.52	608.77	222.77	572.77	572.77
Diesel	7.49	15.40	18.37	19.52	16.41	16.40	16.52
<b>TOTAL</b>	<b>47.00</b>	<b>204.45</b>	<b>350.89</b>	<b>672.29</b>	<b>239.18</b>	<b>603.57</b>	<b>604.29</b>
<b>Year</b>	<b>1951</b>	<b>1956</b>	<b>1960-61</b>	<b>1965-66</b>	<b>1968-69</b>	<b>1972-73</b>	<b>1973-74</b>
<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>
<b>Energy Generation@(Mkwh)</b>							
Hydro	..	2.15	143.66	124.51	..	4.32	4.59
Steam	118.87	580.12	1,403.55	3,079.56	609.29	2,041.29	1,980.11
Diesel	13.16	20.96	44.62	22.80	18.04	5.10	5.62
<b>TOTAL</b>	<b>132.03</b>	<b>603.23</b>	<b>1,596.83</b>	<b>3,226.87</b>	<b>627.33</b>	<b>2,050.71</b>	<b>1,990.32</b>
Purchased from Non-utilities	N.A.	N.A.	28.79	..	4.01	62.91	4.02
Used by power station auxiliaries@	N.A.	N.A.	98.62	300.68	77.39	236.71	229.28
<b>Sales (Within the State)*</b>							
Domestic Light & small power	14.82	27.14	44.31	61.09	78.92	103.85	110.55
Commercial light & small power	6.06	13.40	29.83	69.35	88.94	111.28	117.13
Industrial power	87.85	298.54	776.40	1,397.25	1,067.72	2,000.08	2,006.60
Public lighting	1.09	1.94	3.65	4.80	5.04	6.30	6.45
Agricultural	4.60	4.27	18.26	29.33	67.88	75.03	73.81
Railways/Tramways	..	..	4.53	343.09	244.14	364.19	322.87
Public Water Works & Sewage pumping	4.17	8.13	12.24	27.64	31.38	40.65	42.05
Miscellaneous	..	..	..	..	..	7.47	7.80
<b>TOTAL</b>	<b>118.59</b>	<b>353.42</b>	<b>889.22</b>	<b>1,932.55</b>	<b>1,584.02</b>	<b>2,708.85</b>	<b>2,687.26</b>
Per capita consumption (Utility & non-utility) in Kwh.	N.A.	N.A.	41.5	57.7	60.96	66.19	71.03
	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers	22,199	72,599	42,264	311,145	457,377	593,995	62,2558
Total No. of villages electrified	4	300	2,305	3,744	6,350	9,091	9,775
Total length of transmission lines (11KV & above) Circuit Kilometers	596	7,951	15,885	19,983	26,058	37,178	38,784
Total length of distribution lines (below 11KV Circuit Kilometers)	230	379	327	12,856	24,764	37,431	37,500
No of pumpsets	47	697	3,200	10,600	50,005	87,657	96,922
Transmission & distribution losses (%) for the year	N.A.	N.A.	N.A.	11.56	17.80	20.60	24.00

NOTE.—@—Data included DVC (Bihar portion) upto 1965-66. From the year 1968-69 onwards DVC have been excluded and shown separately.

\* Sales to ultimate consumers by DVC in Bihar included.

TABLE NO. 6.2.4

## Progress of Electricity Supply—Gujarat.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro	..	..	..	..	..	..	..
Steam	108.93	183.60	280.00	609.60	619.60	899.60	883.00
Diesel	32.95	40.61	52.37	41.02	41.94	19.25	16.60
Gas	..	..	..	..	..	54.00	54.00
Nuclear	..	..	..	..	..	210.00	'A'
<b>TOTAL</b>	<b>141.88</b>	<b>224.21</b>	<b>333.27</b>	<b>650.62</b>	<b>661.54</b>	<b>1,182.85</b>	<b>953.60</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (M. Kwh)</b>							
Hydro	..	..	..	..	..	..	..
Steam	316.41	739.37	1,209.14	2,155.48	3,255.42	4,430.31	4,610.73
Diesel	57.24	51.58	62.08	51.90	25.10	5.59	3.07
Gas	..	..	..	..	..	182.00	63.83
Nuclear	..	..	..	..	..	566.37	'A'
<b>TOTAL</b>	<b>373.65</b>	<b>790.95</b>	<b>1,271.22</b>	<b>2,207.38</b>	<b>3,280.52</b>	<b>5,184.27</b>	<b>4,677.63</b>
Purchased from non-utilities	..	..	..	0.87	73.31	114.94	60.94
Used by power station auxiliaries	..	..	82.62	177.76	240.37	374.39	347.56
<b>Sales within the State</b>							
Domestic light & small power	30.90	46.73	71.57	141.54	194.07	276.00	317.33
Commercial light & small power	12.33	14.94	31.66	48.98	76.53	125.93	146.32
Industrial power	266.69	590.40	805.96	1,421.15	1,957.42	2,702.36	2,779.15
Public lighting	5.89	8.98	15.27	22.23	28.90	41.25	46.38
Railways/Tramways	..	..	..	..	..	..	..
Agricultural	1.33	6.06	19.61	100.53	334.75	661.22	627.87
Public Water Works & Sewage Pumping	12.08	26.75	39.56	62.04	75.70	115.81	110.90
Miscellaneous	..	..	..	..	12.33	17.33	17.41
<b>TOTAL</b>	<b>329.22</b>	<b>693.86</b>	<b>983.63</b>	<b>1,796.47</b>	<b>2,679.70</b>	<b>3,939.9</b>	<b>4,045.36</b>
Per capita consumption (utilities and non-utilities) in Kwh	..	..	..	..	116.11	152.82	153.60

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers	N.A.	N.A.	412,866	825,383	980,664	1,626,296	17,85,363
Total No. of villages electrified	37	130	678	1,671	2,869	5,260@@	5,638@@
Total length of Transmission lines (11KV & above) Circuit Kilometers	N.A.	N.A.	6,051	16,282	26,904	42,589	44,204
Total length of distribution lines (below 11KV) Circuit Kilometers	N.A.	N.A.	565	12,576	19,223	36,606	39,137
No. of pumpsets	910	2,825	6,963	14,155	42,085	92,419	102,683
Transmission & Distribution losses (%) for the year	N.A.	N.A.	N.A.	11.51	16.64	19.20	20.99

Note:—50% of Tarapore Nuclear Power Station installed capacity and generation till now shown in Maharashtra is included in "Central Govt. Undertakings" table from the year 1973-74.

@@—As per 1971 census

TABLE No. 6.2.5  
Progress of Electricity supply—Haryana\*\*

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	..	..	245.69	408.47	408.47	408.47
Steam . . . . .	1.30	6.75	6.30	28.10	90.60	90.60	90.60
Diesel . . . . .	6.99	7.52	4.31	6.32	5.34	4.99	4.99
<b>TOTAL</b>	<b>8.29</b>	<b>14.27</b>	<b>10.61</b>	<b>280.11</b>	<b>504.41</b>	<b>504.06</b>	<b>504.06</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy (Million Kwh) Generation</b>							
Hydro . . . . .	..	..	..	1,083.26	1,472.82	1,523.83	1,970.60
Steam . . . . .	2.88	6.77	6.66	14.15	200.52	464.33	449.44
Diesel . . . . .	6.87	4.05	0.86	3.68	0.30	3.27	0.49
<b>TOTAL</b>	<b>9.75</b>	<b>10.82</b>	<b>7.52</b>	<b>1,101.09</b>	<b>1,673.64</b>	<b>1,991.43</b>	<b>2,420.53</b>
Used by Power station auxiliaries . . . . .	..	..	..	1.34	24.00	40.40	42.52
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
<b>Sales within the state</b>							
Domestic light and small power . . . . .	..	..	..	..	42.30	76.29	87.81
Commercial light and small power . . . . .	..	..	..	..	35.00	86.18	76.81
Industrial power . . . . .	..	..	..	..	404.58	580.53	697.71
Public lighting . . . . .	..	..	..	..	3.41	4.72	4.98
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	..	69.32	499.28	528.31
Public water works and Sewage pumping . . . . .	..	..	..	..	..	9.32	..
Miscellaneous . . . . .	..	..	..	..	0.81	5.98	5.51
<b>TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>655.42</b>	<b>1,262.30</b>	<b>1,401.33</b>
Per capita consumption utilities and non-utilities . . . . .	..	..	..	..	75.22	129.90	140.78

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	@	@	@	@	411,797	676,647	717,767
Total No. of villages electrified . . . . .	..	99	570	1,179	1,464	6,669	6,669
Total length of transmission lines (11 KV & above) Circuit Kilomrs. . . . .	@	@	@	@	13,365	31,893	33,445
Total length of distribution lines (below 11 KV) Circuit Kilomrs. . . . .	@	@	@	@	17,608	41,974	44,764
No. of pumpsets . . . . .	N.A.	743	3,526	15,220	45,385	116,409	127,947
Transmission & Distribution losses (%) for the year. . . . .	@	@	@	@	30.90	25.67	29.22

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

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

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

●—Included in Punjab.



TABLE No. 6.2.6(6)

## Progress of Electricity Supply—Himachal Pradesh\*

Year	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	..	..	..	2.85	48.90	48.97
Diesel . . . . .	..	..	..	..	2.13	2.55	2.45
<b>TOTAL</b> . . . . .	..	..	..	..	5.00	51.45	51.42

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (MKW.)</b>							
Hydro . . . . .	..	..	..	..	15.53	174.13	173.11
Diesel . . . . .	..	..	..	..	0.07	0.29	0.10
<b>TOTAL</b> . . . . .	..	..	..	..	15.60	174.42	173.21
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
Used by Power station auxiliaries . . . . .	..	..	..	..	0.70	0.89	0.93
<b>Sale (within the State)</b>							
Domestic light and small power . . . . .	..	..	..	..	18.63	29.36	38.57
Commercial light and small power . . . . .	..	..	..	..	15.72	17.95	20.44
Industrial power . . . . .	..	..	..	..	17.02	24.37	30.88
Public lighting . . . . .	..	..	..	..	1.24	1.49	1.66
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	..	13.61	1.38	1.40
Public Water works and sewage pumping . . . . .	..	..	..	..	..	15.29	12.32
Miscellaneous . . . . .	..	..	..	..	0.28	77.96£	95.23£
<b>TOTAL</b> . . . . .	..	..	..	..	66.50	167.80	200.50
Per capita consumption (utilities and non-utilities) in kWh . . . . .	..	..	..	..	16.02	48.51	56.96

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	N.A.	28,207	46,052	228,330	258,353
Total No. of villages electrified . . . . .	9	93	670	1,438	2,191	3,457@@	4,500@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs. . . . .	N.A.	N.A.	N.A.	1,055	2,599	5,458	6,103
Total length of distribution lines (below 11 KV) Circuit Kilomrs. . . . .	N.A.	N.A.	N.A.	1,026	3,533	6,134	7,351
Number of Pumpsets . . . . .	Nil	2	20	88	306	786	1,032
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	11.40	15.32	17.56	18.67

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

£—Includes supply to Power Project in Himachal Pradesh.

@@—As per 1971 census.

TABLE NO. 6.2.7(7)

## Progress of Electricity Supply—Jammu &amp; Kashmir

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	4.514	10.606	10.612	28.07	26.92	40.72	51.72
Steam . . . . .	1.500	1.500	1.500	1.50	7.50	22.50	22.50
Diesel . . . . .	0.463	0.769	0.869	1.54	5.92	5.94	7.92
<b>TOTAL</b>	<b>6.479</b>	<b>12.875</b>	<b>12.981</b>	<b>31.11</b>	<b>40.34</b>	<b>69.16</b>	<b>82.14</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (Gross) (Million Kwh)</b>							
Hydro . . . . .	23.479	23.896	43.489	N.A.	123.02	207.69	206.20
Steam . . . . .	1.774	..	..	N.A.	N.A.	25.00	11.26
Diesel . . . . .	0.261	0.075	0.025	N.A.	10.93	8.94	7.29
<b>TOTAL</b>	<b>25.514</b>	<b>23.971</b>	<b>43.514</b>	<b>..</b>	<b>133.95</b>	<b>241.63</b>	<b>224.75</b>
Used by power Station auxiliaries . . . . .	..	..	0.509	..	9.70	7.74	1.50
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
<b>Sales (within the State)</b>							
Domestic light and small power . . . . .	7.660	8.864	22.500	Data	48.82	70.50	74.00
Commercial light and small power . . . . .	0.811	0.176	1.000	not	31.04	19.25	21.00
Industrial power . . . . .	6.318	6.424	22.000	available	31.30	66.50	72.00
Public lighting . . . . .	0.552	0.566	1.300		Neg.	3.60	4.50
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	0.424	0.302	0.700	..	31.32	11.30	16.00
Public Water Works and Sewage pumping . . . . .	1.610	2.086	3.500	..	6.59	17.35	21.00
Miscellaneous . . . . .	..	..	..	..	..	..	..
<b>TOTAL</b>	<b>17.375</b>	<b>18.418</b>	<b>51.00</b>	<b>..</b>	<b>131.07</b>	<b>188.50</b>	<b>208.50</b>
Per capita consumption (utilities and non-utilities) in kwh . . . . .	N.A.	N.A.	14.25	N.A.	33.18	39.63	42.96

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total number of consumers . . . . .	36,173	42,139	51,052	N.A.	144,160	221,418	226,829
Total No. of villages electrified . . . . .	..	..	32	383	614	866	1,380@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs. . . . .	147	259	565	N.A.	2,712	2,904	3,522
Total length of distribution lines (below 11 KV) Circuit Kilomrs . . . . .	208	208	141	N.A.	N.A.	3,800	4,330
No. of Pumpsets . . . . .	N.A.	10	85	104	162	325	402
Transmission & Distribution losses for the year . . . . .	N.A.	N.A.	N.A.	N.A.	29.29	30.28	29.15

@@: —As per 1971 census.

TABLE No. 6.2.8

## Progress of Electricity Supply—Karnataka

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	107.20	178.20	178.20	432.00	788.40	966.60	966.60
Steam . . . . .	0.06	..	..	1.10	..	..	..
Gas Turbine . . . . .	..	..	..	10.00	10.00	..	..
Diesel . . . . .	7.68	12.26	12.88	12.53	0.65	0.06	..
<b>TOTAL</b> . . . . .	<b>114.94</b>	<b>190.46</b>	<b>191.08</b>	<b>455.63</b>	<b>799.05</b>	<b>966.66</b>	<b>966.60</b>
<b>Energy Generation (M. kWh)</b>							
Hydro . . . . .	525.34	809.73	1,088.76	1,916.07	2,517.67	4,423.01	4,578.48
Steam . . . . .	..	..	..	1.63	..	..	..
Gas Turbine . . . . .	..	..	..	0.61	..	..	..
Diesel . . . . .	13.16	16.45	19.24	17.52	0.02	Neg.	..
<b>TOTAL</b> . . . . .	<b>538.50</b>	<b>826.18</b>	<b>1,058.00</b>	<b>1,935.83</b>	<b>2,517.69</b>	<b>4,423.01</b>	<b>4,578.48</b>
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	16.65	9.60	10.63	14.11	14.82
<b>Sales (Within the States)</b>							
Domestic light & small power . . . . .	31.99	55.49	75.25	131.26	188.54	287.79	304.76
Commercial light & power . . . . .	8.73	17.79	21.30	27.29	70.66	72.46	75.43
Industrial power . . . . .	292.17	486.23	731.89	1,035.51	1,392.72	2,713.59	2,812.97
Public lighting . . . . .	7.14	13.84	18.88	28.68	43.17	63.51	77.76
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	6.97	16.47	28.72	66.02	124.50	237.54	259.32
Public Water Works & Sewage pumping . . . . .	37.03	42.57	58.92	92.85	95.40	111.21	103.29
Miscellaneous . . . . .	..	..	..	..	0.02	..	0.04
<b>TOTAL</b> . . . . .	<b>384.03</b>	<b>632.39</b>	<b>934.96</b>	<b>1,381.61</b>	<b>1,915.01</b>	<b>3,486.10</b>	<b>3,633.57</b>
Per capita consumption (utilities and non-utilities) in Kwh. . . . .	N.A.	N.A.	44.2	55.1	69.82	118.16	120.95
<b>Other Statistics</b>							
	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	367,437	614,938	871,146	1,328,652	1,458,320
Total No. of village selctified . . . . .	551	1,570	2,920	4,627	7,255	11,700	12,644@@
Total length of Transmission lines (11KV & above) Circuit Kilomrs. . . . .	N.A.	N.A.	12,704	21,413	39,947	57,290	70,460
Total length of distribution lines (below 11 KV) Circuit Kilomrs. . . . .	N.A.	N.A.	8,053	31,576	58,186	97,399	124,668
No. of pumpsets . . . . .	2,460	8,003	16,888	42,371	91,826	170,206	189,688
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	16.34	15.84	16.72	18.65

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

@@:—As per 1971 census.

TABLE No. 6.2.9(8)

## Progress of Electricity Supply—Kerala

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity (MW)</i>							
Hydro . . . . .	28.500	85.500	132.500	192.50	545.00	621.50	621.50
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	4.170	4.277	4.762	4.60	1.60	1.60	3.20
<b>TOTAL</b> . . . . .	<b>32.670</b>	<b>89.777</b>	<b>137.262</b>	<b>197.10</b>	<b>546.60</b>	<b>623.10</b>	<b>624.70</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<i>Energy Generation (Million kwh)</i>							
Hydro . . . . .	152,179	349,599	581,818	840.34	1,623.00	2,348.92	2,560.78
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	1.460	0.132	..	1.60	Neg.	..	0.08
<b>TOTAL</b> . . . . .	<b>153,639</b>	<b>349,731</b>	<b>581,818</b>	<b>841.94</b>	<b>1,623.00</b>	<b>2,348.92</b>	<b>2,560.86</b>
Used by power Station auxiliaries . . . . .	..	..	18,394	18.82	17.22	18.12	23.29
Purchased from Non-utilities . . . . .	..	..	..	..	..	..	..
<i>Sales within the State</i>							
Domestic light and small power . . . . .	13,748	22,890	51,073	89.93	80.45	123.34	155.06
Commercial light and small power . . . . .	2,697	2,291	3,851	14.43	58.29	85.34	90.13
Industrial Power . . . . .	140,939	223,592	396,407	602.90	1,117.14	1,344.31	1,402.15
Public lighting . . . . .	1,604	2,722	8,358	10.55	16.29	29.33	29.64
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	6,170	10,721	18,287	24.03	43.21	76.27	91.72
Public Water works and Sewage Pumping . . . . .	3,292	7,001	7,844	7.96	4.43	12.37	16.95
Misc. . . . .	..	..	..	..	0.58	..	6.83
<b>TOTAL</b> . . . . .	<b>168,450</b>	<b>269,217</b>	<b>485,820</b>	<b>749.80</b>	<b>1,320.39</b>	<b>1,670.96</b>	<b>1,792.48</b>
Per capita consumption (utilities) in kwh. . . . .	N.A.	N.A.	28.75	41.80	67.56	79.45	84.75

	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	207,667	362,080	483,690	762,045	814,839
Total No. of villages electrified . . . . .	159	381	872	1,083	1,137	1,338	1,375
Total length of Transmission lines (11 KV & above) Circuit Kiloms. . . . .	N.A.	N.A.	7,537	9,002	9,864	12,604	13,172
Total length of distribution lines (below 11KV) Circuit Kiloms. . . . .	N.A.	N.A.	161	15,128	16,505	25,332	27,140
No. of pumpsets . . . . .	N.A.	N.A.	2,666	6,957	13,909	33,270	37,661
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	20.06	16.92	15.35	16.86

TABLE No. 6.2.10

## Progress of Electricity Supply—Madhya Pradesh

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	..	..	69.00	46.00	122.00	176.50	193.00
Steam . . . . .	27.31	66.32	169.79	238.40	569.20	282.00	582.00
Diesel . . . . .	11.98	15.98	28.74	26.14	7.40	1.52	1.52
TOTAL . . . . .	39.29	82.30	267.53	310.54	698.60	760.02	776.52
<b>Energy Generation (Gross) (Million Kwh)</b>							
Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
Hydro . . . . .	..	..	23.24	78.06	271.43	720.22	710.22
Steam . . . . .	57.35	150.07	429.68	1,110.20	1,757.56	2,788.35	2,557.56
Diesel . . . . .	15.95	19.27	24.05	19.96	1.47	0.16	0.09
TOTAL . . . . .	73.30	169.34	476.97	1,208.22	2,030.46	3,508.73	3,267.87
Purchased from non-utilities . . . . .	..	..	30.00	69.29	..	..	..
Used by power Station auxiliaries . . . . .	..	..	30.99	100.06	174.11	257.01	246.83
<b>Sales (within the States)</b>							
Domestic light and small power . . . . .	14.85	25.21	45.40	74.39	116.66	157.14	163.39
Commercial light and small power . . . . .	7.47	13.53	20.79	26.64	63.46	135.50	138.95
Industrial power . . . . .	23.09	77.29	301.27	868.38	1,284.89	1,733.30	1,957.18
Public lighting . . . . .	2.18	4.80	9.11	9.97	17.87	27.27	27.70
Railways/Tramways . . . . .	..	..	..	..	..	61.70	58.03
Agricultural . . . . .	0.19	0.69	3.89	11.76	38.49	120.76	125.88
Public Water works and Sewage pumping . . . . .	10.32	18.49	25.24	37.28	51.09	68.64	70.08
Miscellaneous . . . . .	..	..	..	..	..	..	..
TOTAL . . . . .	58.10	140.00	405.70	1,028.42	1,572.46	2,304.31	2,541.21
Per capita consumption kWh . . . . .	..	..	..	..	48.68	63.10	68.42
<b>Other Statistics</b>							
Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	64,355	126,792	161,473	315,970	443,070	768,285	853,151
Total No. of villages electrified . . . . .	9	47	373	1,133	2,754	9,933	10,703
Total length of Transmission lines (11KV & above) Circuit Kiloms. . . . .	891	3,070	4,506	11,326	22,359	44,615	48,120
Total length of distribution lines (below 11KV) Circuit Kiloms. . . . .	352	336	310	7,018	12,929	43,483	48,810
No. of pumpsets . . . . .	Nil	30	1,822	314	24,631	114,808	138,304
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	11.75	15.84	14.85	18.81

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

TABLE No. 6.2.11

## Progress of Electricity Supply—Maharashtra

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro . . . . .	253.11	279.91	281.91	598.89	844.32	844.32	844.32
Steam . . . . .	64.95	225.11	443.25	653.25	771.00	1,071.00	975.00
Diesel . . . . .	21.12	27.92	34.36	52.36	23.67	2.63	2.63
Nuclear . . . . .	..	..	..	..	..	210.00	—(A)
<b>TOTAL</b> . . . . .	<b>339.18</b>	<b>532.94</b>	<b>759.52</b>	<b>1,304.50</b>	<b>1,638.99</b>	<b>2,127.95</b>	<b>1,821.95</b>
<b>Energy Generation (M. kWh.)</b>							
Hydro . . . . .	1,229.02	1,467.48	1,364.95	3,157.56	4,120.00	3,940.00	4,675.42
Steam . . . . .	280.04	742.34	1,834.76	2,415.92	3,508.52	5,957.52	5,146.94
Diesel . . . . .	32.20	38.88	68.17	61.71	36.06	0.55	0.57
Nuclear . . . . .	..	..	..	..	..	566.37	—(A)
<b>TOTAL</b> . . . . .	<b>1,541.26</b>	<b>2,248.70</b>	<b>3,267.88</b>	<b>5,635.19</b>	<b>7,664.58</b>	<b>10,464.96</b>	<b>9,822.93</b>
Purchased from non-utilities . . . . .	..	..	2.20	..	..	..	..
Used by power Station auxiliaries . . . . .	..	..	136.11	212.11	310.80	511.62	430.61
<b>sales : within the State</b>							
Domestic light and small power . . . . .	107.96	165.57	259.90	448.21	603.43	811.57	830.43
Commercial light and small power . . . . .	86.13	131.30	198.23	363.38	446.86	643.70	562.42
Industrial Power . . . . .	815.80	1234.90	1,852.67	3,297.26	4,488.76	5,984.37	6,080.66
Public lighting . . . . .	7.13	14.50	19.88	38.57	59.01	85.95	82.44
Railways/Tramways . . . . .	270.95	344.46	338.93	413.86	388.85	601.38	505.11
Agricultural . . . . .	2.75	5.13	14.76	89.55	236.21	456.82	487.60
Public Water works and Sewage Pumping . . . . .	23.34	31.37	35.15	65.70	113.67	141.03	157.97
Miscellaneous . . . . .	..	..	..	..	52.80	88.96	105.68
<b>TOTAL</b> . . . . .	<b>1,314.06</b>	<b>1,927.23</b>	<b>2,719.52</b>	<b>4,716.53</b>	<b>6,389.59</b>	<b>8,813.78</b>	<b>8,812.31</b>
Per capita consumption utilities and non-utilities in kWh. . . . .	N.A.	N.A.	52.0	85.3	137.07	173.78	169.60
<b>Transmission &amp; Distribution</b>							
Year	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	N.A.	677,112	1,323,003	1,724,981	2,502,804	2,670,398
Total No. of villages electrified . . . . .	33	237	764	4,273	9,450	15,155	16,933
Total length of Transmission line (11 KV & Above Circuit Kiloms) . . . . .	N.A.	N.A.	26,255	52,364	N.A.	65,269*	69,424
Total length of distribution lines (below 11 KV) Circuit Kiloms. . . . .	N.A.	N.A.	1,017	26,604	52,700	81,568	91,249
No. of pumpsets . . . . .	142	2,166	7,219	44,978	124,981	290,643	342,665
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	12.00	13.17	12.34	16.35

Note:—Figures of installed capacity and generation of jointly owned projects have been taken according to the share of participating States, till 1972-73.

(1)—50% of Transpore Nuclear Power Station Installed Capacity and generation till now shown in Maharashtra is included in "Central Govt. Undertakings" table from the year 1973-74.

\*Revised figure.

TABLE No. 6.2.12

## Progress of Electricity Supply—Manipur

Year I	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
<i>Installed capacity MW.</i>							
Hydro . . . . .	..	..	..	..	0.60	0.60	0.60
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	N.A.	N.A.	N.A.	2.43	2.80	5.24	5.24
<b>TOTAL</b> . . . . .	N.A.	N.A.	N.A.	2.43	3.40	5.84	5.84

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
<i>Energy generation (M. Kwh.)</i>							
Hydro . . . . .	..	..	..	..	1.87	1.64	1.64
Steam . . . . .	..	..	..	..	..	..	..
Diesel. . . . .	N.A.	N.A.	N.A.	6.15	4.37	11.42	11.42
<b>TOTAL</b> . . . . .	N.A.	N.A.	N.A.	6.15	6.24	13.06	13.06

## SALES

(WITHIN THE STATE)

Table No. 6.2.12

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
Domestic . . . . .	N.A.	N.A.	N.A.	3.44	2.64	7.46	7.46
Commercial . . . . .	N.A.	N.A.	N.A.	0.13	0.07	0.05	0.05
Industrial Power . . . . .	N.A.	N.A.	N.A.	0.64	0.50	1.25	1.25
Public Lighting . . . . .	N.A.	N.A.	N.A.	..	0.11	0.15	0.15
Railways . . . . .	N.A.	N.A.	N.A.	..	..	..	..
Agricultural . . . . .	N.A.	N.A.	N.A.	..	..	..	..
Public water works . . . . .	N.A.	N.A.	N.A.	0.05	0.01	..	..
Miscellaneous . . . . .	N.A.	N.A.	N.A.	..	..	..	..
<b>TOTAL</b> . . . . .	N.A.	N.A.	N.A.	4.26	3.33	8.91	8.91
Per Capita . . . . .	N.A.	N.A.	N.A.	4.26	3.20	8.07	7.90

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Consumers . . . . .	N.A.	N.A.	N.A.	3,133	4,857	12,615	12,615
Villages electrified . . . . .	9	12	29	115	153	205	213
Total length of lines (11 KV & above)	N.A.	N.A.	N.A.	134	299	700	N.A.
Lines below (11KV) . . . . .	N.A.	N.A.	N.A.	194	322	735	N.A.
No. of Pumpsets . . . . .	..	..	..	..	..	..	..
Transmission distribution losses(%)	N.A.	N.A.	N.A.	29.67	45.77	26.30	26.30

TABLE No. 6.2.13.

## Progress of Electricity Supply—Nagaland

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity in (MW)</i>							
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	..	..	..	0.73	2.00	2.03	2.03
<b>Total</b> . . . . .	..	..	..	0.73	2.00	2.03	2.03
<i>Energy Generation (Gross) Million Kwh.</i>							
Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	..	..	..	1.01	1.20	0.32	0.32
<b>TOTAL</b> . . . . .	..	..	..	1.01	1.20	0.32	0.32
Purchased from non-utilities . . . . .	..	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	..	0.01	0.02	0.03	0.03
<i>Sales : (Within the State)</i>							
Domestic light & small power . . . . .	..	..	..	0.65	2.37	3.99	8.25
Commercial light & small power . . . . .	..	..	..	..	0.66	2.55	5.28
Industrial power . . . . .	..	..	..	0.07	0.16	1.51	3.13
Public Lighting . . . . .	..	..	..	0.07	0.16	0.51	1.06
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	..	..	..	..	..	..	..
Public Water Works & Sewage Pumping . . . . .	..	..	..	0.05	0.03	0.33	0.68
Miscellaneous . . . . .	..	..	..	..	..	0.14	0.28
<b>TOTAL</b> . . . . .	..	..	..	0.84	3.38	9.03	18.68
Per capita consumption (utilities & non-utilities) in Kwh. . . . .	..	..	..	2.1	8.05	17.14	34.91
<i>Other Statistics</i>							
	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of Consumers . . . . .	N.A.	N.A.	N.A.	1,953	5,175	16,209	16,197
Total No. of Villages electrified . . . . .	..	..	7	11	41	103	136 @@
Total length of Transmission lines (11KV & above) Circuit Kilometers . . . . .	N.A.	N.A.	N.A.	11	52	798*	N.A.
Total length of distribution lines (below 11KV) Circuit Kilometers . . . . .	N.A.	N.A.	N.A.	67	161	525	N.A.
No. of pumpsets . . . . .	NIL	NIL	NIL	NIL	NIL	NIL	1
Transmission & Distribution losses (%) for the years . . . . .	NA.	N.A.	N.A.	15.88	11.98	16.31	15.01

@@: As per 1971 census.



TABLE NO. 6.2.14

## Progress of Electricity Supply—Orissa

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)</b>							
Hydro . . . . .	0.01	24.01	123.01	304.44	304.42	304.42	424.43
Steam . . . . .	0.78	5.78	5.78	5.75	195.75	258.25	258.25
Diesel . . . . .	4.08	3.99	7.47	4.80	1.68	1.05	1.05
<b>TOTAL</b>	<b>4.87</b>	<b>33.78</b>	<b>136.26</b>	<b>314.99</b>	<b>501.85</b>	<b>563.72</b>	<b>683.73</b>
<b>Energy Generation (Gross) (Million Kwh)</b>							
Hydro . . . . .	0.01	0.01	483.74	1155.52	997.57	1239.28	1591.14
Steam . . . . .	2.13	17.62	..	..	384.36	639.17	550.06
Diesel . . . . .	4.67	3.52	5.90	0.97	0.95	0.70	0.43
<b>TOTAL</b>	<b>6.81</b>	<b>21.15</b>	<b>489.64</b>	<b>1156.49</b>	<b>1382.88</b>	<b>1879.15</b>	<b>2141.63</b>
Purchase from non-utilities . . . . .	N.A.	N.A.	44.81	9.03	9.83	..	5.91
Used by power station auxiliaries . . . . .	..	..	3.68	4.26	53.55	93.13	70.24
<b>Sales : Within the State</b>							
Domestic light & small power . . . . .	2.23	4.02	18.30	29.93	28.82	30.90	47.43
Commercial light & small power . . . . .	1.41	1.94	7.87	16.69	51.32	44.36	40.83
Industrial power . . . . .	1.12	7.58	457.47	882.21	1,131.13	1,458.94	1,356.72
Public lighting . . . . .	0.24	0.61	1.49	7.95	4.41	6.25	6.95
Railways/Tramways . . . . .	..	..	..	32.72	26.11	56.36	49.75
Agricultural . . . . .	..	..	0.75	1.73	3.33	8.29	7.90
Public Water Works & Sewage pumping . . . . .	0.10	1.05	2.30	5.36	4.94	19.55	21.65
Miscellaneous . . . . .	..	..	..	..	..	31.89	26.62
<b>TOTAL</b>	<b>5.10</b>	<b>15.20</b>	<b>488.18</b>	<b>976.59</b>	<b>1,250.06</b>	<b>1,656.54</b>	<b>1,557.82</b>
Per capita consumption (utilities and non-utilities) in Kwh.	N.A.	N.A.	42.8	79.4	88.51	93.15	92.85
<b>Other Statistics</b>							
	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	3,965	12,187	34,452	75,820	117,897	179,872	207,731
Total No. of villages electrified . . . . .	..	25	118	534	821	6,366	8,466
Total length of Transmission lines (11 KV & above) Circuit Kiloms. . . . .	66	381	2,028	7,196	8,792	16,155	17,962
Total length of distribution lines (below 11KV) Circuit Kiloms. . . . .	42	101	205	2,000	2,774	7,986	9,627
No. of pumpsets . . . . .	N.A.	N.A.	N.A.	N.A.	477	2,075	2,759
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	14.60	9.96	9.30	10.47

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

TABLE 6.2.15

## Progress of Electricity Supply—Punjab

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro . . . . .	48.24	144.24	324.73	417.37	660.70	693.70	708.70
Steam . . . . .	1.08	1.08	1.58	5.00	15.00	15.00	5.00
Diesel . . . . .	8.60	10.45	9.54	10.28	6.07	49.13	56.98
<b>TOTAL</b> . . . . .	<b>57.92</b>	<b>155.77</b>	<b>335.85</b>	<b>432.65</b>	<b>681.77</b>	<b>757.83</b>	<b>770.68</b>
<b>Generation</b>							
Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
Hydro . . . . .	163.72	413.50	977.73	1,806.34	2,441.43	2,733.47	3,488.74
Steam . . . . .	..	..	..	8.00	4.49	27.28	8.72
Diesel . . . . .	9.31	0.69	4.36	4.45	0.76	36.56	30.24
<b>TOTAL</b> . . . . .	<b>173.03</b>	<b>414.19</b>	<b>982.09</b>	<b>1,818.79</b>	<b>2,446.68</b>	<b>2,797.31</b>	<b>3,527.70</b>
Purchase from non-utilities . . . . .	..	..	..	..	..	..	..
Used by power station auxiliaries . . . . .	..	..	0.96	0.31	8.12	12.59	10.89
<b>Sales : within the States</b>							
Domestic lights and small power . . . . .	24.90	10.84	69.87	113.54	121.67	170.34	209.43
Commercial light and small power . . . . .	12.01	34.82	61.40	86.43	77.87	111.92	96.71
Industrial power . . . . .	56.13	153.63	355.97	1,915.71	1,834.04	1,368.92 (A)	1,661.29
Public Lighting . . . . .	2.44	5.75	9.09	9.87	8.71	8.16	9.07
Railways/Tramways . . . . .	..	..	..	..	..	..	..
Agricultural . . . . .	0.49	22.66	74.85	210.85	199.41	623.47 (B)	709.68 (B)
Public water works and sewage pumping . . . . .	6.59	8.73	9.12	13.41	6.84	4.64	4.86
Miscellaneous . . . . .	..	..	..	..	7.57	..	81.57
<b>TOTAL</b> . . . . .	<b>102.56</b>	<b>236.43</b>	<b>580.30</b>	<b>2,349.81</b>	<b>2,256.11</b>	<b>2,287.45</b>	<b>2,772.61</b>
Per capita consumption (utilities and non-utilities) in Kwh. . . . .	N.A.	N.A.	32.9	101.6	164.97	165.23	196.51
<b>Transmission and Distribution</b>							
Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	N.A.	230,795§	500,859§	981,689	907,985	1,214,173	1,281,476
Total No. of villages electrified . . . . .	42	369	1,712	3,697	5,018	6,626	7,078
Total length of Transmission lines (11KV & above) . . . . .	N.A.	5077§	15,302§	21,759§	17,811*	25,397*	27,045*
Circuit Kiloms. . . . .	N.A.	105§	60§	13,718§	21,727	32,037	36,042
Total length of distribution lines (below 11 KV) Circuit Kiloms. . . . .	N.A.	3,095	8,514	25,296	59,112	109,527	129,566
No. of pumpsets . . . . .	N.A.	N.A.	N.A.	14.59§	18.96	23.19	20.74
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	14.59§	18.96	23.19	20.74

§ Figures pertain to Erstwhile Punjab.

\* Transmission lines of B.M.B. have been included.

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

\*\*Figures of installed capacity and generation for all the years from 1966-67 onwards are for the area under reorganised Punjab. Figures of the years 1951, 1960-61 and 1965-66 present Punjab and Chandigarh combined, due to want of data at present.

(A) Includes N.F.F.

(B) Includes Public Water Works and I.B. consumption.

TABLE 6.2.16  
Progress of Electricity Supply—Rajasthan

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)*</b>							
Hydro	..	..	..	156.27	305.33	359.83	376.33
Steam	17.26	24.00	46.25	48.50	146.15	163.65	163.00
Diesel	13.68	19.79	24.43	31.81	36.96	34.51	34.09
Gas Turbine	..	..	..	10.00	10.00	10.00	10.00
Nuclear	..	..	..	..	..	200.00	..
<b>TOTAL</b>	<b>30.94</b>	<b>43.79</b>	<b>70.68</b>	<b>246.58</b>	<b>498.44</b>	<b>767.99</b>	<b>583.42</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy Generation (Gross)</b>							
Hydro	..	..	..	564.24	932.44	1,404.13	1,594.64
Steam	42.72	61.28	70.41	127.31	346.32	592.20	547.01
Diesel	21.55	29.03	37.99	36.16	32.15	10.53	11.45
Gas Turbine	..	..	..	1.38	Neg.	..	..
Nuclear	..	..	..	..	..	Neg.	..
<b>TOTAL</b>	<b>64.27</b>	<b>90.31</b>	<b>108.40</b>	<b>729.09</b>	<b>1,310.91</b>	<b>2,006.86</b>	<b>2,153.10</b>
Purchase from non-utilities	N.A.	N.A.	0.11	..	..	..	..
Used by Power Station auxiliaries	..	..	6.40	10.55	41.23	57.43	53.65
<b>Sales : within the State</b>							
Domestic light and small Power	10.83	12.33	20.73	38.51	53.56	88.75	94.39
Commercial light and small power	5.83	11.12	15.86	38.26	51.59	70.26	76.06
Industrial power	14.19	21.89	33.58	197.81	409.22	763.34	763.91
Public lighting	1.97	2.99	5.20	7.27	9.55	12.98	12.73
Railways/Tramways	..	..	..	..	..	..	..
Agricultural	1.66	1.85	3.62	19.68	68.55	230.65	281.27
Public Water works and sewage pumping	12.92	14.46	19.54	24.26	49.13	69.06	80.17
Miscellaneous	..	..	..	..	10.33	25.30	19.71
<b>TOTAL</b>	<b>47.40</b>	<b>64.64</b>	<b>98.53</b>	<b>325.79</b>	<b>651.93</b>	<b>1,260.34</b>	<b>1328.31</b>
Per capita consumption (utilities and non-utilities) in Kwh.	N.A.	N.A.	11.5	21.4	32.79	59.64	61.13

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
Total No. of consumers	43,519	61,667	118,437	249,763	337,255	579,377	639,449
Total No. of villages electrified.	2	5	46	1,115	2,075	4,912	5,778@@
Total length of Transmission lines (11 KV & above) Circuit Kilomrs.	382	571	1,251	10,685	15,299	30,809	33,436
Total length of distribution lines below 11 KV) Circuit Kilomrs.	385	527	737	6,648	8,710	27,636	30,779
No. of pumpsets	30	47	1,038	6,861	18,362	63,830	74,696
Transmission & Distribution losses (%) for the year.	N.A.	N.A.	N.A.	20.06	24.96	30.86	26.93

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

\* Capacity and generation of Nuclear Plant has been shown in "Central Govt. Projects Table for the year 1973-74.

@@ as per 1971 census.

TABLE No. 6.2.17

## Progress of Electricity Supply—Tamil Nadu

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity in MW</i>							
Hydro . . . . .	101.95	165.15	415.45	906.65	969.00	1,224.00	1,224.00*
Steam . . . . .	52.00	84.00	101.50	401.50	501.50	1,030.00	430.00
Diesel . . . . .	0.52	0.52	0.52	6.00	..	..	..
<b>TOTAL</b> . . . . .	<b>154.47</b>	<b>249.67</b>	<b>517.47</b>	<b>1,314.15</b>	<b>1,470.50</b>	<b>2,254.00</b>	<b>1,654.00</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	31-3-74
1	2	3	4	5	6	7	8
<i>Energy Generation (Million kwh)</i>							
Hydro . . . . .	579.17	802.62	1,797.55	1,978.63	3,044.81	4,140.65	3,696.94
Steam . . . . .	140.19	281.72	416.17	2,230.50	2,616.20	2,869.82	1,170.96*
Diesel . . . . .	0.20	..	..	..	..	..	..
<b>TOTAL</b> . . . . .	<b>719.56</b>	<b>1,084.34</b>	<b>2,213.72</b>	<b>4,209.13</b>	<b>5,661.01</b>	<b>7,010.47</b>	<b>4,867.90</b>
Purchased from non-utilities . . . . .	..	..	..	..	..	..	1.00
Used in Power Station auxiliaries . . . . .	..	..	64.75	266.33	293.29	347.80	162.73
<i>Sales : (Within the State)</i>							
Domestic light & small power . . . . .	59.34	108.92	152.89	213.70	270.86	360.43	390.27
Commercial light & small power . . . . .	54.69	90.40	156.71	299.14	309.26	314.86	477.61
Industrial Power . . . . .	324.29	449.37	909.79	1,792.32	2,496.59	2,901.12	2,713.75
Public Lighting . . . . .	14.18	20.77	33.92	48.91	62.67	83.15	78.23
Railways/Tramways . . . . .	15.77	12.63	15.00	20.29	..	136.12	77.66
Agricultural . . . . .	69.65	138.30	382.40	819.65	1,126.16	1,488.60	1,604.78
Public Water Works & Sewage Pumping . . . . .	8.63	10.32	14.43	28.11	34.65	54.64	46.28
Miscellaneous . . . . .	..	..	..	..	54.12	24.25	124.65
<b>TOTAL</b> . . . . .	<b>546.52</b>	<b>830.71</b>	<b>1,665.14</b>	<b>3,222.12</b>	<b>4,354.31</b>	<b>5,363.17</b>	<b>5,513.23</b>
Per capita consumption (utilities & non-utilities).	N.A.	N.A.	50.5	88.7	115.00	131.03	133.25

	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
Total No. of consumers . . . . .	N.A.	N.A.	1761,327	3,35,294	1,813,953	2,560,955	27,32,109
Total no. of Villages electrified . . . . .	1,495	2,430	5,918	7,830	9,472	13,699	13,805
Total length of Transmission lines (11 K.V & above) Circuit Kilomrs. . . . .	N.A.	N.A.	26,255	44,520	52,575	69,033	68,453
Total length of distribution lines (below 11 Kv.) Circuit Kilomrs. . . . .	N.A.	N.A.	533	8,232	112,105	187,496	197,490
No. of pumpsets . . . . .	14,373	32,440	117,695	256,594	410,110	649,241	681,268
Transmission & Distribution losses(%) for the year. . . . .	N.A.	N.A.	N.A.	17.52	18.92	20.98	18.66

\*—Installed capacity & generation of Neyveli Lignite Corporation T.P.S. is included in "Central Govt. Undertakings table for the year 1973-74.

TABLE No. 6.2.18

## Progress of Electricity Supply—Tripura

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity (M.W.)</i>							
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	N.A.	N.A.	N.A.	2.39	2.89	5.15	5.15
TOTAL . . . . .	N.A.	N.A.	N.A.	2.39	2.89	5.15	5.15

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
<i>Energy Generated (M. kWh)</i>							
Hydro . . . . .	..	..	..	..	..	..	..
Steam . . . . .	..	..	..	..	..	..	..
Diesel . . . . .	N.A.	N.A.	N.A.	4.52	7.54	5.81	5.10
TOTAL . . . . .	N.A.	N.A.	N.A.	4.52	7.54	5.81	5.10
Domestic . . . . .	N.A.	N.A.	N.A.	2.63	3.97	5.40	5.40
Commercial . . . . .	N.A.	N.A.	N.A.	0.32	0.29	0.66	0.66
Industrial Power . . . . .	N.A.	N.A.	N.A.	0.52	1.62	2.00	2.01
Public Lighting . . . . .	N.A.	N.A.	N.A.	0.10	0.10	0.66	0.63
Railways/Tramways . . . . .	N.A.	N.A.	N.A.	..	..	..	..
Agricultural . . . . .	N.A.	N.A.	N.A.	..	0.09	0.23	0.25
Public Water Works . . . . .	N.A.	N.A.	N.A.	..	0.50	0.99	..
Miscellaneous . . . . .	N.A.	N.A.	N.A.	..	..	..	1.00
TOTAL . . . . .	N.A.	N.A.	N.A.	3.58	6.57	9.94	9.95
Per capita . . . . .	N.A.	N.A.	N.A.	2.67	4.59	6.19	..

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Consumers . . . . .	N.A.	N.A.	N.A.	4,266	6,806	8,500	10,253
Villages electrified . . . . .	..	Nil	12	31	48	95	103
Total length of lines (11 KV & above)	N.A.	N.A.	N.A.	113	354	797	N.A.
below 11 KV . . . . .	N.A.	N.A.	N.A.	113	213	236	N.A.
No. of Pumpsets . . . . .	..	..	..	..	..	40	40
Transmission & Distribution losses . . . . .	N.A.	N.A.	N.A.	19.54	11.57	22.54	25.24

TABLE No. 6.2.19

## Progress of Electricity Supply—Uttar Pradesh

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity in (MW)</i>							
Hydro . . . . .	26.22	96.39	92.47	477.76	477.75	606.30	606.28
Steam . . . . .	161.09	179.86	270.81	398.23	814.24	938.88	932.40
Diesel . . . . .	12.88	32.49	34.16	42.05	40.95	6.66	6.66
Gas Turbine . . . . .	..	..	..	12.50	12.50	12.50	12.50
<b>TOTAL</b> . . . . .	<b>200.19</b>	<b>308.74</b>	<b>397.44</b>	<b>930.54</b>	<b>1,345.44</b>	<b>1,564.34</b>	<b>1,557.84</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<i>Energy Generation (Million kwh)</i>							
Hydro . . . . .	157.32	232.31	439.97	1,542.86	1,611.44	2,721.38	1,986.64
Steam . . . . .	398.27	490.83	786.26	1,450.67	3,707.27	4,055.03	3,892.80
Diesel . . . . .	14.18	20.34	26.09	25.10	6.26	1.60	1.76
Gas Turbine . . . . .	..	..	..	14.03	1.19	4.24	7.98
<b>TOTAL</b> . . . . .	<b>569.77</b>	<b>743.48</b>	<b>1,252.32</b>	<b>3,032.66</b>	<b>5,326.16</b>	<b>6,782.25</b>	<b>5,889.18</b>
Purchase from non-utilities . . . . .	..	..	..	..	..	..	..
Used by power stations auxiliaries . . . . .	..	..	59.55	118.35	347.03	376.59	374.17
<i>Sales (Within the State)</i>							
Domestic light & small power . . . . .	49.59	71.51	122.72	190.50	283.09	396.44	403.81
Commercial light & small power . . . . .	40.45	59.32	74.74	116.11	129.44	122.88	125.21
Industrial Power . . . . .	230.99	314.18	503.93	1,639.76	2,884.93	2,988.91	2,444.70
Public Lighting . . . . .	6.25	8.38	13.85	18.61	21.22	27.86	26.69
Railways/Tramways . . . . .	..	..	..	20.32	124.64	172.14	166.85
Agricultural . . . . .	98.23	90.44	199.99	315.99	652.37	809.87	840.95
Public Water Works & Sewage Pumping . . . . .	32.43	42.15	60.48	70.94	82.17	96.47	90.15
Miscellaneous . . . . .	*	*	*	*	76.84	62.43	53.61
<b>TOTAL</b> . . . . .	<b>457.94</b>	<b>585.98</b>	<b>975.71</b>	<b>2,372.23</b>	<b>4,254.70</b>	<b>4,677.00</b>	<b>4,151.97</b>
Per capita consumption (utilities & non-utilities) in Kwh. . . . .	N.A.	N.A.	15.1	29.9	40.04	63.67	57.85

Year	31-12-1951	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
Total No. of consumers . . . . .	65,025	2,15,552	3,25,407	6,15,314	8,71,749	14,14,855	16,43,553
Total No. of villages electrified . . . . .	110	420	1,082	5,855	12,926	26,921	29,765
Total length of Transmission lines (11KV & above) Circuit Kilometers . . . . .	8,328	14,725	18,517	45,437	67,323	1,04,088	1,11,897
Total length of distribution lines (below 11 KV) Circuit Kilometers . . . . .	714	1,103	1,402	12,836	21,773	57,474	65,847
No. of pumpsets . . . . .	3,046	5,713	9,881	17,402	75,659	1,98,438	2,33,640
Transmission & Distribution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	18.60	19.74	29.32	29.81

\*—Included in Commercial light &amp; small power.

TABLE No. 6.2.20

## Progress of Electricity Supply West Bengal

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed Capacity (MW)@</b>							
Hydro . . . . .	2.76	4.76	67.21	67.51	25.51	36.51	36.51
Steam . . . . .	539.90	528.35	676.98	1,211.21	1,171.43	1,171.43	1,278.94
Diesel . . . . .	3.51	5.61	9.47	13.47	12.39	17.41	18.01
<b>TOTAL</b>	<b>546.17</b>	<b>538.72</b>	<b>753.66</b>	<b>1,292.19</b>	<b>1,209.33</b>	<b>1,225.35</b>	<b>1,333.46</b>

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy generation@ (Million Kwh)</b>							
Hydro . . . . .	5.93	8.34	159.89	144.90	38.83	64.90	86.51
Steam . . . . .	1,196.90	1,765.62	2,150.17	3,879.68	3,961.19	4,294.15	4,413.59
Diesel . . . . .	4.45	4.63	8.68	16.36	16.30	8.72	8.71
<b>TOTAL</b>	<b>1,207.28</b>	<b>1,778.59</b>	<b>2,318.74</b>	<b>4,040.94</b>	<b>4,016.32</b>	<b>4,367.77</b>	<b>4,508.81</b>
Purchase from non-utilities . . . . .	N.A.	N.A.	147.13	..	..	..	..
Used by power station auxiliaries@	N.A.	N.A.	130.60	329.45	323.63	350.32	369.20
<b>Sales : (Within the States)</b>							
Domestic light & small power . . . . .	180.83	253.40	353.52	510.14	607.78	677.04	704.07
Commercial light & small power . . . . .	37.55	79.28	115.79	173.87	209.18	299.84	277.18
Industrial Power . . . . .	731.95	1,291.50	1,808.13	3,009.71	2,877.35	3,638.23	3,519.32
Public Lighting . . . . .	8.35	15.11	23.40	29.80	35.57	37.37	37.37
Railways/Tramways . . . . .	42.90	47.49	95.30	227.01	253.96	368.80	350.49
Agricultural . . . . .	..	2.17	0.65	4.25	15.04	35.43	30.10
Public Water Works & Sewage Pumping . . . . .	32.56	65.59	95.99	110.14	120.85	150.26	145.14
Miscellaneous . . . . .	..	..	..	..	0.17	29.02	0.12
<b>TOTAL</b>	<b>1,034.14</b>	<b>1,754.54</b>	<b>2,492.78</b>	<b>4,064.92</b>	<b>4,128.90*</b>	<b>5,235.99*</b>	<b>5,063.79*</b>
Per capita consumption (utilities & non-utilities) in Kwh.	N.A.	N.A.	83.9	114.3	118.27	120.38	115.85

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	2,19,320	3,36,606	4,44,960	6,72,555	8,23,712	10,44,837	10,52,311
Total No. of villages electrified . . . . .	386	553	920	1,594	2,433	5,537	8,708
Total length of Transmission lines (11 KV & above) Circuit km. . . . .	586	1,254	3,263	6,640	10,611	16,960	16,843
Total length of distribution lines (below 11 KV) Circuit Km. . . . .	1,272	1,493	1,633	10,186	11,197	15,252	14,764
No. of pump sets . . . . .	N.A.	N.A.	56	437	1,119	2,232	6,535
Transmission & distribution losses (%) for the year. . . . .	N.A.	N.A.	N.A.	8.60	9.98	11.87	11.11

@—Data include DVC upto 1965-66 and from the year 1968-69 onwards DVC data have been excluded and have been given separately.

\*—Sales to ultimate consumers by DVC in West Bengal area is included in 1968-69 and onwards.

TABLE NO. 6.2.21

## Progress of Electricity Supply—D.V.C.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<b>Installed capacity (MW)</b>							
Hydro . . . . .	..	..	..	..	104.00	104.00	104.00
Steam . . . . .	..	..	..	..	957.50	957.50	957.50
Diesel . . . . .	..	..	..	..	..	..	..
<b>TOTAL</b> . . . . .	..	..	..	..	1,061.50	1,061.50	1,061.50

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<b>Energy (Million kwh)</b>							
<b>Generation (Gross)</b>							
Hydro . . . . .	..	..	..	..	274.88	212.14	353.36
Steam . . . . .	..	..	..	..	4,217.22	4,014.70	3,427.69
Diesel . . . . .	..	..	..	..	..	..	..
<b>TOTAL</b> . . . . .	..	..	..	..	4,492.10	4,226.84	3,781.05
Purchase from non-utilities . . . . .	N.A.	N.A.	N.A.	0.81	9.14	..	40.95
Used by power station auxiliaries . . . . .	..	..	..	..	420.60	411.72	401.69

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	..	..	..	..	21	17	16
Total No. of Villages electrified . . . . .	..	..	..	..	..	..	..
Total length of Transmission lines (11 KV & above) Circuit Kms. . . . .	..	..	..	..	3,205	2,963	2,987
Total length of distribution lines (below 11 KV) circuit Kms. . . . .	..	..	..	..	..	..	..
No. of pump sets . . . . .	..	..	..	..	..	..	..
Transmission & Distribution losses (%) for the year. . . . .	..	..	..	..	6.92	3.46	2.14

Note.—Sales to ultimate consumers by D.V.C are included in Bihar and West Bengal States.

Figures for the year prior to 1968-69 are included in Bihar and West Bengal respectively.



TABLE No. 6.2.22

Progress Table of Electricity Supply—Central Govt. Undertakings.

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed capacity (MW)</i>							
Hydro . . . .	..	..	..	..	..	..	..
Steam . . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	• 806.00
Diesel . . . .	..	..	..	..	..	..	..
Gas Turbine . . . .	..	..	..	..	..	..	..
Nuclear . . . .	..	..	..	..	..	..	640.00
TOTAL . . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	1,446.00

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<i>Energy Generation (Gross) Million Kwh.</i>							
Hydro . . . .	..	..	..	..	..	..	• ..
Steam . . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	2,643.71
Diesel . . . .	..	..	..	..	..	..	..
Gas Turbine . . . .	..	..	..	..	..	..	..
Nuclear . . . .	..	..	..	..	..	..	2,396.36
TOTAL . . . .	..	..	..	..	..	..	5,040.07
Energy used by power station auxiliaries . . . .	N.A.	N.A.	N.A.	N.A.	N.A.	N.A.	541.99

Sales to ultimate consumers has been included in the respective beneficiary states. (Please see Table No. 11A for more details).

NOTE.—Prior to 1973-74 the data pertaining to Central Govt. Projects have been included in the respective States. The Central Govt. Projects covered in this Table are (i) Neyveli (TamilNadu) (ii) Tarapore (Nuclear), (Maharashtra). (iii) R.A.P.P. (Nuclear) (Rajasthan). (iv) Pong (Steam) Punjab, (v) Chola Central Railway (VI) Badarpur Steam (Delhi).

TABLE NO. 6.2.23  
Progress of Electric Supply—Delhi

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
1	2	3	4	5	6	7	8
<i>Installed Capacity (MW)</i>							
Hydro . . . . .	35.15	52.40	53.60	91.60	231.00	276.20	276.20
Steam . . . . .	7.44	2.79	22.70	20.82	20.82	20.80	20.80
Diesel . . . . .							
<b>TOTAL</b>	42.59	55.19	76.30	112.42	251.82	297.00	297.00

Year	1951	1956	1960-61	1965-66	1968-69	1972-73	1973-74
1	2	3	4	5	6	7	8
<i>Energy (Million kwh)</i>							
<i>Generation</i>							
Hydro . . . . .							
Steam . . . . .	131.88	231.68	271.41	387.13	605.42	1,380.99	1,204.38
Diesel . . . . .	5.40	0.54	39.35	7.35	2.87	23.67	17.30
<b>TOTAL</b>	137.28	232.22	310.76	394.48	608.29	1,404.66	1,221.68
Used by Power Station auxiliaries . . . . .	..	..	59.24	38.25	66.88	117.63	107.73
<i>Sales within the State</i>							
Domestic Light & small power . . . . .	24.250	52.462	97.101	186.51	261.31	348.70	396.76
Commercial Light small power . . . . .	33.003	57.629	72.892	167.29	151.51	265.84	285.14
Industrial Power . . . . .	32.406	74.306	153.892	178.43	312.48	453.93	487.06
Public Lighting . . . . .	2.637	6.491	10.937	15.88	21.39	40.07	59.91
Railways/Tramways . . . . .	..	0.347	0.171	..	..	..	..
Agricultural . . . . .	5.730	4.928	5.007	6.91	7.30	6.36	6.18
Public Water Works & Sewage Pump- ing . . . . .	21.420	31.592	43.185	55.05	77.60	98.27	102.72
Miscellaneous . . . . .	..	..	..	..	..	..	..
<b>TOTAL</b>	119.446	227.755	383.185	610.07	831.59	1,213.17	1,337.77
Per capita consumption (utilities & non-utili- ties) in Kwh. . . . .	N.A.	N.A.	186.8	205.5	241.49	304.85	315.79

Year	31-12-51	31-12-56	31-3-61	31-3-66	31-3-69	31-3-73	31-3-74
Total No. of consumers . . . . .	14,637	112,051	189,393	360,492	498,040	676,803	725,966
Total No. of villages electrified . . . . .	24	24	35	274	276	276	276
Total length of trans- mission lines 11 KV & above (C. Kms.) . . . . .	78	213	390	504	2,051	3,027	3,239
Total length of distribu- tion lines below 11 KV (C. Kms.) . . . . .	347	368	807	3,872	4,612	7,361	7,951
No. of pump sets . . . . .	Nil	Nil	5	673	2,884	5,952	6,527
Transmission & distri- bution losses (%) for the year . . . . .	N.A.	N.A.	N.A.	11.88	13.16	9.20	6.58

NOTES.—Figures of installed capacity and generation for the year 1967-68 onwards have been shown according to the share of Delhi.

**FINANCIAL STATISTICS**

**SECTION-7**

**CAPITAL ACCOUNT, REVENUE ACCOUNT, NET REVENUE AND  
APPROPRIATION ACCOUNT, BALANCE SHEET ETC.**

TABLE NO. 7.1

Statement of capital outlay (i.e.) Original cost of Plant, Equipment etc. on Electricity Supply Systems and undertakings owned and Operated by States Government Departments, State Electricity Boards, Power Corporations and Local Authorities in the Public Sector and Companies, Partnerships, etc. in the Private Sector as on 31st March, 1973.

## CAPITAL ACCOUNT

(Figures in Rs. lakhs)

Sl. No.	State Corps. & Union Territories	PUBLIC SECTOR				PRIVATE SECTOR		TOTAL	
		Govt. Boards and Corporations		Municipalities		Companies*		1971-72	1972-73
		1971-72	1972-73	1971-72	1972-73	1971-72	1972-73		
1	2	3	4	5	6	7	8	9	10
1	Andhra Pradesh	24,628	26,485	..	..	82	129	24,710	26,614
2	Assam	6,315	7,130	..	..	147	83	6,462	7,213
3	Bihar	21,126	24,016	..	..	830	876	21,956	24,892
4	Gujarat	17,527	22,046	329	350	4,490	4,755	22,346	27,151
5	Haryana	12,964	14,306	..	..	..	..	12,964	14,306
6	Himachal Pradesh	2,523	2,728	68	70	..	..	2,591	2,798
7	J. & K.	..	..	..	..	..	..	..	..
8	Kerala	12,575	14,388	38	38	67	70	12,680	14,496
9	Madhya Pradesh	18,371	21,437	..	..	272	287	18,643	21,724
10	Maharashtra	30,271	34,082	5,186	5,759	11,181	11,591	46,638	51,432
11	Karnataka	11,480	13,325	..	..	225	245	11,705	13,570
12	Nagaland	..	..	..	..	..	..	..	..
13	Orissa	10,839	11,804	..	..	..	..	10,839	11,804
14	Punjab	16,143	18,524	206	212	13	13	16,362	18,749
15	Rajasthan	15,378	18,381	..	..	112	127	15,490	18,508
16	Tamil Nadu	40,814	44,935	221	236	1,280	1,352	43,315	46,523
17	Uttar Pradesh	43,970	52,457	291	297	3,461	3,490	47,722	56,244
18	West Bengal	8,476	8,692	26	38	8,842	9,116	17,344	17,846
19	Power Corporation (DVC, Durgapur, Neyydi, Sharavati & Bhadra)	19,242	37,673	..	..	..	..	19,242	37,673
20	Union Territories								
	(a) Delhi	..	..	6,352	6,725	..	..	6,352	6,725
	(b) Rest	1,449	1,474	..	..	..	..		1,474
	TOTAL	314,091	373,883	12,717	13,725	31,002	32,134	357,810	419,742

\*Includes Ramnagar (Non-Utility Company).

TABLE NO. 7.2

Public Electricity Supply Industry—consolidated annual Accounts for the year ended 31st March, 1973

## CAPITAL ACCOUNT

(Figures in Rs. lakhs)

1971-72	Particulars	Govt. Depts./Boards/Power Corporation	Municipalities	Companies	Total	1971-72	Particulars	Govt. Depts./Boards/Power Corporation	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	<b>1. TO GENERATION ASSETS</b>						<b>1. BY CAPITAL RAISED—</b>				
	(a) Steam Power Station—						(a) Invested by States—				
	(i) Land . . . . .	448	5	134	587	G—353,569	(i) Govt. Undertakings . .	429,244	..	..	429,244
	(ii) Buildings . . . . .	8,958	83	1,064	10,105	M— 10,422	(ii) Municipal Undertakings	..	11,335	..	11,335
	(iii) Boilers, Turbine Generating etc.	67,874	2,547	8,290	78,711	363,991	<b>GROUP TOTAL</b> . .	429,244	11,335	..	440,579
	(iv) Other . . . . . Equipments	7,597	..	372	7,969		(b) Invested by Pvt. Sector—				
G—66,799 M—2 644 C—9,814	<b>GROUP TOTAL</b> . .	84,477	2, 635	9, 860	97,372	Companies O— 4,585	(i) Ordinary Share Capital.	..	..	4,588	4,588
79,257							(ii) Preference Share Capital	..	..	962	962
	(b) Oil Power Stations—						(ii) Debentures . . . . .	..	..	3,404	3,404
	(i) Land . . . . .	123	1	2	126	P— 975	(iv) Other Secured Loan Capital	..	..	2,870	2,870
	(ii) Buildings . . . . .	437	15	14	466	D— 3,291	<b>BY CAPITAL RESERVE</b> .	1, 018	204	242	1,464
	(iii) Engines Generators etc.	2,697	185	61	2,943	SL— 3,110					
G— 3,314 M— 201 C— 95	(iv) Other Equipments .	318	..	..	318	G— 8,362 M— 185 C— 243					
3610						1,264					
	<b>GROUP TOTAL</b> . .	3,575	201	77	3,853						

(c) Hydro Power Stations—					G—5,939/3 M— 594 C— 2,166	BY CONSUMERS CON- TRIBUTION FOR SER- VICE LINES . . . . .				
					8,697		7,341	659	2,321	10,921
	(i) Land . . . .	1,148	1	73	1,222					
	(ii) Buildings . . . .	7,139	3	133	7,275					
	(iii) Hydraulic Power Plant . . . . .	41,747	35	477	42,259					
G— 52,896 M— 68 C— 2,130	(iv) Civil Works . . . .	19,297	41	1,460	20,798					
	GROUP TOTAL . . . .	69,331	80	2,143	71,554					
55,094	SUB-TOTAL . . . .	157,783	2,916	12,080	172,779					
137,961 62,178	(Generation Assets) (2) TO TRANSMISSION ASSETS . . . . .	67,730	351	3,031	71,112					
	(3) TO DISTRIBUTION ASSETS—									
	(i) Cables and Mains . . . .	76,046	2,739	5,745	84,530					
	(ii) Sub-stations Trans- formers . . . . .	28,511	1,874	3,801	34,186					
	(iii) Service Lines . . . .	18,056	1,492	3,542	23,090					
	(iv) Public Lighting . . . .	1,912	293	338	2,543					
G—115,745 M— 6,737 C— 14,191	(v) Meters, Testing Ins- truments etc. . . . .	8,848	919	1,650	11,426					
136,673	GROUP TOTAL . . . .	133,373	7,317	15,085	155,775					
	(4) TO GENERAL ASSETS—									
	(i) Land, Buildings & Structures etc. . . . .	5,200	485	503	6,188					
	(ii) Office furniture & Misc. Equipment . . . . .	2,837	129	477	3,443					
	(iii) Workshop Plant & equipment tools & implements . . . . .	2,628	98	56	2,782					

TABLE No. 7.2.

1	2	3	4	5	6	7	8	9	10	11	12
G— 14,481 M— 676 C— 1,208	(iv) Transportation & Communication	3,183	76	264	3,523						
16,365	GROUP TOTAL . . .	13,848	788	1,300	15,936						
G— 1,876 M— 1 C— 680	(5) TO INTANGIBLE ASSETS . . .	1,149	1	638	1,788						
2,557	(6) TO SPECIAL ITEM										
M— 2,076	(Tramways in the case of Bombay) . . .	..	2,352	..	2,352						
G—314,091 M— 12,717 C— 31,002	TOTAL CARRIED OVER TO GENERAL BALANCE SHEET . . .	373,883	13,725	32,134	419,742	G—360,342 M— 11,201 C— 14,370		437,603	12,198	14,387	464,188
357,810						385,913					

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

TABLE NO. 7.3

Revenue Accountant—1972-73

(Figures in Rs. lakhs)

1971-72	Particulars	Govt. Depts./Boards/Power Corporations	Municipalities	Companies	Total	1971-72	Particulars	Govt. Depts./Boards/Power Corporations	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
	TO OPERATING EXPENSES						BY OPERATING REVENUES				
G— 7,595	1. GENERATION—						1. SALES OF ELECTRICITY				
M— 491	(a) (i) Coal . . . . .	10,523	535	3,386	1,4444	G— 6,508	(i) Domestic & Residential	7,355	1,398	2,421	11,174
G— 2,887						M— 1,282					
10,973						G— 2,347					
G— 203						10137					
M— 13	(ii) Oil . . . . .	275	32	12	319	G— 3,869					
C— 12						M— 1,185					
	(iii) Consumable Store . . . . .	430	10	48	488	C— 1,122	(ii) Commercial . . . . .	4,485	1,268	1,227	6,980
228						6176					
G— 307						G— 22,219					
M— 7	(b) Salaries and Wages . . . . .	2,129	78	413	2,020	M— 1,257	(iii) Industrial . . . . .	24,136	1,384	9,069	34,589
C— 45						C— 8364	(iv) Public Lighting . . . . .	1,013	112	186	1,311
359						31,840					
G— 2,237						G— 948	Public Water Work and Sewage Pumping . . . . .	2,413	204	319	2,93
M— 64	(c) Repairs and Maintenance . . . . .	2,453	28	544	3,025	M— 73					
G— 367						C— 178					
2,668						1,119					
G— 2,239						G— 594					
M— 21	(d) Purchase of Energy	7,543	2,016	6,183	15,742	M— 181					
C— 537						C— 282					
2,797						1,057					
G— 6,043											
M— 1,730											
C— 5,451											
13,224											



TABLE No. 7.3 (contd.)

1	2	3	4	5	6	7	8	9	10	11	12
	(2) TRANSMISSION										
G— 561 M— 7 C— 74	(a) Salaries and Wages .	656	8	88	752	G— 7,067 M— 16 C— 101	(vi) Irrigation . . . . .	8,991	18	120	9,129
642						7,184					
G— 491 M— .. C— 41	(b) Repairs and Main- tenance . . . . .	592	..	43	635	G— 1,313 M— 1 C— 293	(vii) Traction . . . . .	1,489	1	324	1,814
532						1,007					
	(3) DISTRIBUTION										
G— 3,446 M— 342 C— 554	(a) Salaries and Wages .	4,075	361	589	5,025	G— 8,740 M— 476 C— 2,110	(viii) Supplies in Bulk to Distributing Licensees	10,394	676	2,510	1,3580
4,342						11,326					
G— 2,495 M— 104 C— 379	(b) Repairs and Main- tenance . . . . .	2,893	125	400	3,418	G— 720 M— 89 C— 174	(2) METER AND OTHER RENTALS	880	94	185	1,159
2,978						983					
G— 284 M— 50 C— 115	(c) Public Lighting (At- tendance repairs and renewals) . . . . .	289	42	121	452	G— 302 M— 3 C— 9	(3) Service Connection Fees	339	3	11	353
449						314					
	4. CONSUMER SER- VICING (BILLING, ACCOUNTING).										
G— 338 M— 13 C— 59	(a) Salaries & Wages	456	14	67	537	G— 62 M— 105 C— 25	(4) Public Lighting Main- tenance . . . . .	107	114	25	246
410						192					
G— 806 M— 177 C— 361	(b) Other Expenses	906	187	399	1,492	G— 4,062 M— 314 C— 322	(5) Miscellaneous Receipts .	4,977	300	564	5,841
1,344						4,698					

		5. GENERAL ESTABLISHMENT CHARGES.											
G— 3,228													
M— 109		(a) Salaries and Wages .	3,705	122	363	4,190							
C— 304													
	3,641												
G— 2,928		(b) Other expenses (in-											
M— 257		cluding Provident											
C— 915		Fund) . . . . .	3,456	355	958	4,769							
	4,106												
		6. MANAGEMENT EXPENSES											
C— 16		(a) Directors fee and ex-			14	14							
		penses.											
C— 25		(b) Managing Agents Or-											
		inary Remunera-			22	22							
		tion and Office Al-											
		lowances . . . . .											
M— 73		7. ADMINISTRATION											
		Members Remuneration		69		69							
		and other expenses (L.A.)											
G— 9,615													
M— 318		8. DEPRECIATION .	11,269	336	912	12,517							
C— 900													
	10,842												
G— 42,816		TOTAL GENERATING											
M— 3,776		EXPENSES . . . . .	51,650	4,318	14,562	70,530							
C— 13,051													
	59,643												
G— 13,588		TO BALANCE CARRIED											
M— 1,206		OVER TO N.R. & A.	14,929	1,254	2,399	18,582							
C— 2,276		ACCOUNT											
	17,070												
G— 56,404													
M— 4,982													
C— 15,327													
	76,713												
		TOTAL . . . . .	66,579	5,572	16,961	89,112	76,713		66,579	5,572	16,961	89,112	

TABLE NO. 7.4

Net Revenue and Appropriation Account—1972-73

(Figures in Rs. Lakhs)

1971-72	Particulars	Govt. Departments/ Boards/ Power Corporations	Municipalities	Companies	Total	1971-72	Particulars	Govt. 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— 13,588 M— 1,206 C— 2,276	By Balance brought forward from Revenue account.	14,929	1,254	2,399	18,582
						17,070					
M— 79	(a) Interest on loan Capital.	..	90	..	90	G— 2,33 M— 35 C— 63	By interest on Securities and investment.	300	32	70	402
M— 27	(b) Instalment of redemption of Loan Capital.	..	52	..	52	331					
M— 225	(c) General Rates	..	242	..	242						
C— 617	To taxes on income and profits.	..	..	579	579	M—(—) 86	By deficit on incidental business (Tramways and Omnibuses of Bombay Municipality).	..	(—)216	..	(—)216
G— 76	To instalment of write down in respect of intangible assets	83	1	130	214						
M— 4											
C— 107											
187						M— 191	By Balance of Profit brought forward from previous year.	..	166	..	166
M— 42	To contribution towards contingencies reserve.	—	16	66	82	G— 7,982 C— 74	By Balance carried over to General Balance Sheet	10,691	..	..	10,691
C— 115											
157						8,056					
G— 70	To Development Reserve .	263	..	45	308						
M—											
C— 79											
149											
C— 45	To Appropriations to Tariff and Dividends Control Reserve.	—	..	16	16						
M— 22	To Appropriations to Consumers rebate reserve	—	18	13	31						
C— 45											
67											

21-1 CWO (ND)/75

C- 22	To Special appropriations permitted by State Government.	..	..	16	16							
G- 1,308	To other Appropriation .	1,662	95	146	1,903							
M- 259												
C- 144												
1,711												
	To Appropriation towards interest paid and accrued and dividends paid and payable											
C- 254	(a) Interest on debentures	..	..	261	261							
G- 12,489	(b) Interest on other Secured Loans	13,994	457	151	14,602							
M- 407												
C- 158												
13,054												
G- 135	(c) Interest on consumers Security Deposits.	162	16	45	223							
M- 18												
C- 39												
192												
G- 820	(d) Interest on unsecured loans advances, deposits, bank overdraft etc.	1,091	60	194	1,345							
M- 48												
C- 155												
1,023												
C- 73	(e) Dividends on Preference Share Capital.	..	..	70	70							
C- 453	(f) Dividends on Ordinary Share Capital.	..	..	459	459							
G- 6,905	To Balance of loss brought forward.	8,665	..	60	8,725							
C- 107												
7,012												
M- 215	To Balance carried over to General Balance Sheet.	..	189	218	407							
G- 21,803						G- 21,803						
M- 1,346						M- 1,346						
C- 2,413						C- 2,413						
562		25,920	1,236	2,469	29,625	25,562		25,920	1,236	2,469	29,625	

TABLE NO. 7.5

General Balance sheet as at 31st March, 1973

(Figures in Rs. lakhs)

1971-72	Particulars	Govt. Depts./ Boards/ Power Corps.	Municipalities	Companies	Total	1971-72	Particulars	Govt. Depts./ Boards/ Power Corps.	Municipalities	Companies	Total
1	2	3	4	5	6	7	8	9	10	11	12
385,913	Fixed Capital raised and appropriated as per the Capital A.C.	437,603	12,198	14,387	464,188	357,810	Capital Expenditure on works as per the Capital Account.	373,883	13,725	32,134	419,742
3,105	Capital Redemption Sinking Fund & other Reserves.	2,082	1,392	169	3,643	70,258	Less Accumulated provision for Depreciation.	67,254	4,508	11,318	83,080
	<b>RESERVES &amp; SURPLUS :</b>					287,552	<b>NET BLOCK :</b>	306,629	9,217	20,816	336,662
15,452	Non-Statutory Reserve	13,788	1,244	3,344	18,376	639	Balance of written down cost of obsolete and inadequate assets.	308	3	32	343
							<b>CURRENT ASSETS :</b>				
77	Special appropriation (as permitted by State Govt.)	..	..	74	74	106,124	Capital works in progress	127,658	3,765	939	132,362
953	Contingencies Reserve Fund	3	156	784	943	..	Stores and Materials in Hand				
487	Tariffs and Dividends Control Reserve.	147	148	218	513	1,267	(a) Fuel, Coal &/or Oil at cost.	352	47	94	493
404	Consumers Rebate Reserve	1	220	192	413	30,945	(b) Central Stores at a Below cost.	23,786	1,625	1,686	27,097
1,360	Development Reserve	914	7	1,333	2,254	1,5485	Sundry debtors for Electricity Supplied.	14,285	1,724	2,632	18,641
215	Balance of net revenue & appropriation account.	..	189	218	407	23,395	Other debtors	19,713	1,183	322	21,718
						17,964	Accounts receivable	27,557	439	163	28,159
	<b>Current Liabilities and Provisions: :</b>						Investment in Statutory Securities at Cost:				
21,642	Creditors on open account	20,408	1,051	2,487	23,946		(a) Contingencies Reserve Fund Investment (Market value on closing date).	..	35	818	853

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13,869	Consumers Security Deposit	10,869	1,144	1,525	13,538	710					
43,389	Accounts Payable	43,435	3,168	2,411	49,014	6,459	(b) Other Investment (Market Value on closing date).	5,309	2,008	202	7,519
							<b>SPECIAL DEPOSIT :</b>				
952	Balance due on const. of Plant and Machinery	841	..	38	879	356	(a) In respect of taxation	..	..	379	379
						2220	(b) Other Balance of Bank	3084	67	29	3180
22,612	Temporary accommodations Bank overdrafts and other finances	20,033	210	1,958	22,201	3,085	(a) Deposit a/c	2,503	653	176	3,332
						4,329	(b) Current a/c and at call	6,839	324	296	7,459
						2,298	Cash in hand	1,231	37	50	1,318
							<b>DEBIT BALANCES</b>				
						146	Deferred Payments	179	..	4	183
						8,056	Debit Balance of net revenue & appropriation a/c	10,691	..	..	10,691
511,030	<b>TOTAL</b>	550,124	21,127	29,138	600,389	511,030	<b>TOTAL</b>	550,124	21,127	29,138	600,389

TABLE No. 7. 6

## Average Price of Electricity—1972-73

Sl. No.	Category of Sale	Kwh Sold in 1972-73 (Million)	Revenue Realised in Rupees (Lakhs)	Revenue Realised per Kwh Sold (Paise)
1	2	3	4	5
1	Domestic Lights, Heating and small Power . . . . .	4,526	11,174	24.69
2	Commercial Lights, Heating and small Power . . . . .	2,457	6,980	28.41
3	Industrial Low, Medium & High Voltage . . . . .	32,071	34,589	10.79
4	Public Lighting . . . . .	524	1,311	25.02
5	Traction . . . . .	1,588	1,814	11.42
6	Agricultural . . . . .	5,872	9,129	15.55
7	Public Water Works & Sewage Pumping . . . . .	987	2,936	29.75
	TOTAL	48,025	67,933	14.15
8	Miscellaneous . . . . .	..	6,001	..
9	All Purposes . . . . .	48,025	75,934	15.81

NOTE.—About 1063 Million KWH sales have been excluded corresponding to those few Electrical Undertakings from whom financial data have not been received.

TABLE No. 7.7

## Some Important Financial Features for the years 1970-71 to 1972-73

Sl. No	Particulars	Units	1971	1972	1973
1	2	3	4	5	6
1	Installed Plant Capacity	kW	12,904,420	13,398,570	15,571,765
2	Average cost per KW installed :	Rs.	2,444	2,670	2,696
	Generation		..	1,029	1,110
	Transmission		..	464	457
	Distribution		..	1,020	1,000
	Miscellaneous		..	157	129
3	Number of Consumers	No.	14,465,172	16,173,068	17,710,396
4	Average Capital Outlay per consumer	Rs.	2,100	2,212	2,370
5	Maximum Demand	KW	10,698,230	11,509,330	13,117,430
6	Average Capital Outlay on Transmission, Distribution Misc. per KW of maximum demand.	Rs.	1,760	1,892	1,818

NOTE : About 709,945 KW, 413,330 KW and 291,726 —Installed Plant Capacity Maximum Demand and Consumers have been excluded corresponding to those few Electrical Undertakings from where data have not been received during the presenting year of account.

TABLE No. 7.8

*Consolidated Capital outlay by Ownership for the years 1968-69 to 1972-73*

Particulars	1969		1970		1971		1972		1973	
	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total	Outlay (Rs. lakhs)	Percentage of total
Public Sector	236,863	90	256,500	90	285,720	90	326,808	91	387,608	92
Private Sector	27,491	10	28,745	10	29,698	10	31,002	9	32,134	8
TOTAL	264,354	100	285,245	100	315,418	100	357,810	100	419,742	100

TABLE No. 7.8

*Consolidated capital outlay of Electricity supply undertakings for the years 1968-69 to 1972-73*

Particulars	Units	1969	1970	1971	1972	1973
On Electrical Works	Rs.lakhs	262,383	283,067	313,291	355,734	417,390
Non-Electrical Works like Tramways and Omnibus	Rs.lakhs	1,971	2,178	2,127	2,076	2,352
TOTAL		264,354	285,245	315,418	357,810	419,742



**ELECTRICITY TARIFF**  
**SECTION-8**  
**AVERAGE RATES OF ELECTRICITY IN INDIA**

TABLE No. 8.1

## Domestic Lights and Fans (30 kWh/Month)

(Average Rate in P/kwh)

Sl No.	Supplier	Tariff in Force from	Rate	Duty/Tax	Total
1	2	3	4	5	6
<b>A. State Electricity Boards</b>					
1	Andhra Pradesh	1-6-72	35.00	..	35.00
2	Assam	1-8-71	37.00	3.00	40.00
3	Bihar	1-8-70	40.00	6.00	46.00
4	Gujarat	1-3-74	30.10	10.00	40.10
5	Haryana	1-6-72	24.50	10.25	34.75
6	Himachal Pradesh :				
	(a) Urban	1-3-74	32.50	..	32.50
	(b) Rural	1-3-74	20.00	..	20.00
7	Jammu & Kashmir	1-4-68	25.50	2.75	27.75
8	Karnataka	10-4-71	30.00	4.50	34.50
9	Kerala	1-1-70	30.00	3.00	33.00
10	Madhya Pradesh	1-6-69	28.00	6.50	34.50
11	Maharashtra	1-10-72	31.00	5.00	36.00
12	Orissa :				
	(a) Hydro	1-8-66	25.00	3.75	28.75
	(b) Diesel	1-8-51	44.00	..	44.00
13	Punjab	1-4-66	21.88	10.25	32.13
14	Rajasthan :				
	(a) Hydro & Steam	1-10-68	37.70	5.00	42.70
	(b) Diesel	1-10-68	47.00	3.00	50.00
15	Tamil Nadu	1-1-72	35.00	..	35.00
16	Uttar Pradesh :				
	(a) Lucknow, Allahabad & Kanpur	1-1-72	27.00	6.00	33.00
	(b) Rest	31-8-65	38.00	2.00	40.00
17	West Bengal	31-8-65	36.00	3.00	39.00
<b>B. Union Territories/State Government Electricity Departments</b>					
1	Andaman & Nicobar Islands	28-8-71	54.00	..	54.00
2	Arunachal Pradesh	N.A.	37.00	..	37.00
3	Chandigarh	1-4-66	21.88	10.25	32.13
4	Dadra & Nagar Haveli				
	1st Alternative	1-1-74	35.00	..	35.00
	2nd Alternative	1-1-74	66.66	..	66.66*
5	Delhi	1-4-70	18.00	2.00	20.00**
6	Goa, Daman & Diu	1-8-68	28.33	..	28.33
7	Lakshadweep	13-9-62	60.00	..	60.00
8	Manipur	1-7-64	35.00	..	35.00
9	Nagaland	1-4-68	45.00	..	45.00
10	Pondicherry	1-12-68	33.00	..	33.00
11	Tripura :				
	(a) Agartala	16-9-67	44.00	..	44.00
	(b) Rest	16-9-67	50.00	..	50.00
<b>C. Important Places served by Licensees</b>					
1	Ahmedabad	1-3-73	22.37	10.00	32.37
2	Bombay :				
	(a) B.E.S.T.	4-2-74	15.66	6.00	21.66
	(b) Bombay Suburban	26-1-74	14.33	6.00	20.33
	(c) Tatas	No	Low	Tension	Tariffs
3	Calcutta	29-11-73	16.75	3.00	19.75
<b>D. Damodar Valley Corporation</b>					
	(a) Bihar area	No	Low Tension	Tariffs.	
	(b) West Bengal area	No	Low Tension	Tariffs.	

\*Minimum charge/month is Rs.20.00.

\*\*A surcharge of 5% is levied for D. C. supply.

TABLE NO. 8.2

## Commercial Lights and Fans (200kWh/Month)

(Average Rate in P/kWh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty/Tax	Total
1	2	3	4	5	6
<b>A. State Electricity Boards</b>					
1	Andra Pradesh . . . . .	1-12-69	45.00	..	45.00
2	Assam . . . . .	1-8-71	40.00	3.00	43.00
3	Bihar . . . . .	1-8-70	35.00	6.00	41.00
4	Gujarat . . . . .	1-3-74	30.07	10.00	40.07
5	Haryana . . . . .	1-6-72	20.40	10.00	30.40
6	Himachal Pradesh . . . . .	1-3-74	29.75	..	29.75
7	Jammu & Kashmir . . . . .	1-4-68	35.00	4.83	39.83
8	Karnataka . . . . .	10-4-71	38.00	4.50	42.50
9	Kerala . . . . .	1-1-70	38.00	3.80	41.80
10	Madhya Pradesh . . . . .	1-6-69	28.00	10.50	38.50
11	Maharashtra . . . . .	1-10-72	35.00	15.00	50.00
12	Orissa . . . . .				
	(a) Hydro . . . . .	1-8-66	24.75	3.71	28.46
	(b) Diesel . . . . .	1-8-51	44.00	..	44.00
13	Punjab . . . . .	1-4-66	13.44	12.40	25.84
14	Rajasthan . . . . .				
	(a) Hydro & Steam . . . . .	1-8-66	43.00	5.00	48.00
	(b) Diesel . . . . .	1-8-66	57.95	..	57.95
15	Tamil Nadu . . . . .	1-2-73	51.75	..	51.75
16	Uttar Pradesh . . . . .				
	(a) Lucknow, Allahabad, Kanpur . . . . .		27.00	6.00	33.00
	(b) Rest . . . . .	1-1-72	38.00	2.00	40.00
17	West Bengal . . . . .	31-8-65	36.00	3.00	39.00
<b>B. Union Territories/State Government Electricity Departments</b>					
1	Andaman & Nicobar Islands . . . . .	28-8-71	54.00	..	54.00
2	Arunachal Pradesh . . . . .	N.A.	37.00	..	37.45
3	Chandigarh . . . . .	1-4-66	13.44	12.40	25.84
4	Dadra & Nagar Haveli: 1st alternative . . . . .				
	2nd alternative . . . . .	1-1-74	27.25	..	27.25
5	Delhi . . . . .	1-1-74	26.00	..	26.00
6	Goa, Daman & Diu . . . . .	1-4-70	22.00	2.00	24.00*
7	Lakshadweep . . . . .	1-8-68	27.00	..	27.00
8	Manipur . . . . .	13-9-62	60.00	..	60.00
9	Nagaland . . . . .	1-7-64	35.00	..	35.00
10	Pondicherry . . . . .	1-4-68	45.00	..	45.00
11	Tripura . . . . .	1-12-68	38.78	..	38.78
	(a) Agartala . . . . .				
	(b) Rest . . . . .	16-9-67	44.00	..	44.00
		16-9-67	50.00	..	50.00
<b>C. Important Places served by Licensees</b>					
1	Ahmedabad . . . . .	1-3-73	28.20	10.00	38.20
2	Bombay . . . . .				
	(a) B. E. S. T. . . . .	4-2-74	32.00	20.00	52.00
	(b) Bombay Suburban . . . . .	25-1-74	33.00	20.00	53.00
3	Calcutta . . . . .	29-11-73	20.42	3.00	23.42
<b>D. Damodar Valley Corporation</b>					
	(a) Bihar area . . . . .				No Low Tension Tariffs.
	(b) West Bengal area . . . . .				No Low Tension Tariffs.

\*A surcharge of 5% is levied for D.C. supply.

TABLE No. 8.3

Agricultural 10 HP., 15% L.F. (817 kWh/Month)

(Average Rate in P/kWh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty/Tax	Total
<b>A. State Electricity Boards</b>					
1	Andhra Pradesh . . . . .	1-8-73	16.00	..	16.00
2	Assam . . . . .	1-8-71	14.00	..	14.00
3	Bihar . . . . .	1-8-70	18.00	1.00	19.00
4	Gujarat . . . . .	1-3-74	18.72	1.20	19.92
5	Haryana . . . . .	1-8-69	16.84	..	16.84
6	Himachal Pradesh . . . . .	1-3-74	9.00	..	9.00
7	Jammu & Kashmir . . . . .	1-4-68	10.00	1.50	11.50
8	Karnataka . . . . .	10-4-71	11.00	1.00	12.00
9	Kerala . . . . .	1-1-70	9.00	0.90	9.90
10	Madhya Pradesh . . . . .	1-5-70	13.00	..	13.00
11	Maharashtra . . . . .	1-10-69	18.00	..	18.00
12	Orissa :				
	(a) Hydro . . . . .	1-8-66	15.00	2.25	17.25
	(b) Diesel . . . . .	1-8-51	22.00	3.75	25.75
13	Punjab . . . . .	1-7-68	9.79	..	9.79
14	Rajasthan . . . . .	1-8-66	13.30	..	13.30
15	Tamil Nadu . . . . .	5-11-72	11.12	..	11.12
16	Uttar Pradesh . . . . .	1-1-72	21.67	..	21.67
17	West Bengal . . . . .	1-4-70	19.00	3.00	22.00
<b>B. Union Territories/State Government Electricity Departments :</b>					
1	Andaman & Nicobar Islands . . . . .	..	..	..	..
2	Arunachal Pradesh . . . . .	..	..	..	..
3	Chandigarh . . . . .	1-7-68	9.79	..	9.79
4	Dadra & Nagar Haveli . . . . .	1-1-74	15.68	..	15.68
5	Delhi . . . . .	1-4-70	15.00	1.00	16.00
6	Goa, Daman & Diu . . . . .	1-3-71	12.00	..	12.00
7	Lakshadweep . . . . .	..	..	..	..
8	Manipur . . . . .	..	..	..	..
9	Nagaland . . . . .	5-5-70	12.00	..	12.00
10	Pondicherry . . . . .	1-12-68	9.49	..	9.49
11	Tripura . . . . .	16-9-67	19.00	..	19.00
<b>C. Important Places Served by Licensees :</b>					
1	Ahmedabad . . . . .	1-3-73	14.76	1.20	15.96
2	Bombay :				
	(a) B.E.S.T. . . . .	..	..	..	..
	(b) Bombay Suburban . . . . .	..	..	..	..
	(c) Tatas . . . . .	..	..	..	..
3	Calcutta . . . . .	..	..	..	..
<b>Damodar Valley Corporation</b>					
	(a) Bihar area . . . . .	..	..	..	..
	(b) West Bengal area . . . . .	..	..	..	..

No Low Tension Tariffs.

No Low Tension Tariffs.

No Low Tension Tariffs.

TABLE NO. 8.4

Small Industry 10 kW, 20% L.F. (1460 kWh/Month)

(Average Rate in P/kwh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty/Tax	Total
<b>A. State Electricity Boards</b>					
1	Andhra Pradesh . . . . .	1-6-71	20.68	..	20.68
2	Assam . . . . .	1-8-71	16.00	1.00	17.00
3	Bihar . . . . .	1-8-70	20.00	1.00	21.00
4	Gujarat . . . . .	1-3-74	19.76	1.60	21.36
5	Haryana . . . . .	1-6-72	15.36	2.30	17.66
6	Himachal Pradesh . . . . .	1-3-74	12.34	..	12.34
7	Jammu & Kashmir :				
	(a) Jammu . . . . .	1-4-68	9.67	1.45	11.12
	(b) Kashmir . . . . .	1-4-68	7.67	1.15	8.82
8	Karnataka . . . . .	10-1-71	12.00	4.50	16.50
9	Kerala . . . . .	1-1-70	15.00	1.50	16.50
10	Madhya Pradesh . . . . .	1-10-70	15.50	1.00	16.50
11	Maharashtra . . . . .	1-10-69	18.00	1.00	19.00
12	Orissa . . . . .				
	(a) Hydro . . . . .	1-8-66	15.40	2.55	17.95
	(b) Diesel . . . . .	1-8-51	22.00	3.30	25.30
13	Punjab . . . . .	1-4-66	10.67	2.13	12.80
14	Rajasthan :				
	(a) Hydro & Steam . . . . .	1-8-66	14.53	1.00	15.53
	(b) Diesel . . . . .	1-8-66	28.90	1.00	29.90
15	Tamil Nadu . . . . .	1-2-73	20.70	..	20.70
16	Uttar Pradesh . . . . .	1-1-72	18.00	1.00	19.00
17	West Bengal . . . . .	31-8-65	18.00	0.33	18.33
<b>B. Union Territories/State Government Electricity Departments</b>					
1	Andaman & Nicobar Islands . . . . .	28-8-71	31.00	..	31.00
2	Arunachal Pradesh . . . . .	..	..	..	..
3	Chandigarh . . . . .	1-4-66	10.67	2.13	12.80
4	Dadra & Nagar Haveli . . . . .	1-1-74	20.68	..	20.68
5	Delhi . . . . .	1-4-70	15.00	1.00	16.00@
6	Goa, Daman & Diu . . . . .	1-3-71	12.00	..	12.00
7	Lakshadweep . . . . .	13-9-62	40.00	..	40.00
8	Manipur . . . . .	1-7-64	25.00	..	25.00
9	Nagaland . . . . .	1-4-68	20.00	..	20.00
10	Pondicherry . . . . .	1-12-68	14.40	..	14.40
11	Tripura . . . . .				
	(a) Agartala . . . . .	16-9-67	19.00	..	19.00
	(b) Rest . . . . .	16-9-67	31.00	..	31.00
<b>C. Important Places served by Licensees :</b>					
1	Ahmedabad . . . . .	1-3-73	14.36	1.60	15.96
2	Bombay :				
	(a) B.E.S.T. . . . .	4-2-74	21.00	1.00	22.00
	(b) Bombay Suburban . . . . .	26-1-74	21.35	1.00	22.35
	(c) Tatas . . . . .				
3	Calcutta . . . . .	29-11-73	16.80	0.33	17.13
<b>D. Damodar Valley Corporation</b>					
	(a) Bihar area . . . . .				No Low Tension Tariffs.
	(b) West Bengal area . . . . .				No Low Tension Tariffs.

@ A surcharge of 5% is levied for D.C. supply.  
Rates are Exclusive of Fuel Surcharge.

TABLE NO. 8.5

Large Industry (II), 1000 kW, 50% L.F. (365,000 kWh/Month)

(Average Rate in P/kWh)

Sl. No.	Supplier	Tariff in force from	Rate	Duty/Tax	Total
<b>A. State Electricity Boards</b>					
1	Andhra Pradesh . . . . .	1-6-71	15.49	..	15.49
2	Assam . . . . .	1-8-71	10.17	0.08	10.25
3	Bihar . . . . .	1-8-70	13.01	1.00	14.01
4	Gujarat . . . . .	1-3-74	14.45	1.60	16.05
5	Haryana . . . . .	1-6-72	9.49	1.90	11.39
6	Himachal Pradesh . . . . .	1-3-74	8.80	..	8.80
7	Jammu & Kashmir :				
	(a) Jammu . . . . .	1-4-68	5.29	0.79	6.08
	(b) Kashmir . . . . .	1-4-68	3.79	0.57	4.36
8	Karnataka . . . . .	10-4-71	6.79	2.25	9.04
9	Kerala . . . . .	1-1-70	9.54	1.91	11.45
10	Madhya Pradesh . . . . .	1-6-69	10.10	1.00	11.10
11	Maharashtra . . . . .	1-10-72	11.12	1.00	12.12
12	Orissa :				
	(a) Hydro . . . . .	1-8-66	11.00	2.67	13.67
	(b) Diesel . . . . .				
13	Punjab . . . . .	1-4-66	6.59	1.65	8.24
14	Rajasthan :				
	(a) Hydro & Steam . . . . .	1-6-69	9.29	1.00	10.29
	(b) Diesel . . . . .				
15	Tamil Nadu :				
	(a) Thermal . . . . .	1-2-73	18.61	..	18.61
	(b) Rest . . . . .	1-2-73	13.30	1.44	14.74
16	Uttar Pradesh . . . . .	1-1-72	11.33	1.00	12.33
17	West Bengal . . . . .	31-2-65	9.71	1.50	11.21
<b>B. Union Territories/State Government Electricity Departments :</b>					
1	Andaman & Nicobar Islands . . . . .				
2	Arunachal Pradesh . . . . .				
3	Chandigarh . . . . .	1-4-66	6.59	1.65	8.24
4	Dadra & Nagar Haveli . . . . .	1-1-74	15.33	..	15.33
5	Delhi . . . . .	1-4-70	11.76	1.00	12.76
6	Goa, Daman & Diu . . . . .	1-3-71	11.61	..	11.61
7	Lakshadweep . . . . .				
8	Manipur . . . . .				
9	Nagaland . . . . .	1-4-68	13.69	..	13.69
10	Pondicherry . . . . .	1-12-68	9.92	..	9.92
11	Tripura . . . . .				
	(a) Agartala } . . . . .				
	(b) Rest } . . . . .				
<b>C. Important Places served by</b>					
1	Ahmedabad . . . . .	1-3-73	11.07	1.60	12.67
2	Bombay . . . . .				
	(a) B. E. S. T. . . . .	4-2-74	13.90	1.00	14.90
	(b) Bombay Suburban . . . . .	26-1-74	14.26	1.00	15.26
	(c) Tatas . . . . .	26-1-74	13.57	1.00	14.57
3	Calcutta . . . . .	29-11-73	10.69	1.50	12.19
<b>D. Damodar Valley Corporation</b>					
	(a) Bihar area . . . . .	1-2-71	7.68	1.00	8.68
	(b) Bengal area . . . . .	1-2-71	7.68	1.50	9.18

Rates are exclusive of fuel surcharge.