



**GOVERNMENT OF INDIA
MINISTRY OF ENERGY
DEPARTMENT OF POWER
CENTRAL ELECTRICITY AUTHORITY**

1983-84

**PUBLIC ELECTRICITY SUPPLY
ALL INDIA STATISTICS
GENERAL REVIEW**

Compiled by

**POWER DATA BANK & INFORMATION DIRECTORATE
CENTRAL ELECTRICITY AUTHORITY
NEW DELHI**



**GOVERNMENT OF INDIA
MINISTRY OF ENERGY
DEPARTMENT OF POWER
CENTRAL ELECTRICITY AUTHORITY**

**PUBLIC ELECTRICITY SUPPLY
ALL INDIA STATISTICS
GENERAL REVIEW
1983-84**

Compiled By
**POWER DATA BANK & INFORMATION DIRECTORATE
CENTRAL ELECTRICITY AUTHORITY
NEW DELHI**

FOREWORD

Public Electricity Supply All India Statistics—General Review is being published annually by the CEA. This publication presents, in a summarised form, salient features of the progress and development of electricity supply industry in the country. The pattern followed is broadly the same as in the previous year's issue of this publication.

2. This Review has been divided into 10 sections, and presents a comprehensive picture of the progress achieved by the electricity supply industry in each of the State & Union Territories in the country during the year 1983-84. Section I presents brief details of the undertakings responsible for generation, transmission and distribution of electricity. Sections II & III furnish particulars of generating capacity and generation classified by prime motive power i.e. thermal, hydro and nuclear. Similar details in respect of captive plants are presented in Section IV. The details of electric power supply and system losses in the country are dealt with in Section V and the operating data like consumption of fuel, peak demand, etc. are presented in Section VI. Particulars of transmission and distribution lines are available in Section VII. The details of total energy sold to the different categories of consumers are given in Section VIII and particulars regarding total number of consumers and their connected load are shown in Section IX. The urban and rural electrification statistics showing town and villages electrified and the irrigation pumpsets energised upto 31st March, 1984 are furnished in Section X. A brief Overview of Power Development upto 31st March, 1986 and the programme of power development in Seventh Plan (1985-86 to 1989-90) has been included immediately after, this foreword. An additional feature this year is the inclusion of Tables (i) to (v) in the Overview bringing out the year-wise/plan-wise growth of installed capacity, generation, consumption pattern, rural electrification, per capita consumption, etc.

3. During the year under review, considerable progress was made in addition of generating capacity as compared to the previous year. The important features of progress in power sector during 1983-84 were the following :

- (a) Addition to generating capacity of 4088 MW was an all time record.
- (b) The first 500 MW thermal generating unit was commissioned at Trombay in Maharashtra.
- (c) The cumulative installed capacity in the country reached 43705.56 MW (39338.86 MW in public utilities and 4366.70 MW in non-utilities) registering a 11.37% growth over the previous year.

4. Electricity generation during 1983-84 was 7.61% higher than that in the previous year. Hydro generation increased by 3.27% and generation from steam power plants increased by 8.37%.

5. The electricity sales to various consumers by public utilities during the year increased by 7.07% over the previous year. The maximum consumption of electricity was in the industrial sector being 55.79% of the total sales. The share of agricultural sector in the electricity consumption in utilities increased from 16.84% in 1982-83 to 17.81% in 1983-84.

6. 3.46 million new consumers were provided electricity thus increasing the total number of consumers to 41.38% million covering all categories with total connected load of 7563 MW. The per capita consumption of electricity during the year increased to 154.39 Kwh from 147.05 Kwh during the previous year.

(i)

(ii)

7. The emphasis on electrification of rural areas continued during the year. The total number of villages electrified at the end of the year were 3,47,564 (representing 60.3% of the total villages in the country) as compared to 3,23,881 villages electrified at the end of the previous year which represented 56.2% of total villages.

8. The transmission and distribution network was further augmented by adding new transmission and distribution lines. The total length of T&D lines increased to 30,02,095 Ckt Kms. as on 31-3-84 from 28,65,312 Ckt Kms. at the end of the previous year representing an increase of 4.77%. The overall percentage of electricity lost in T&D was 21.28% as compared to 21.14% during the previous year.

9. The general Review has been compiled in the Power Data Bank & Information Directorate of Central Electricity Authority under the overall guidance of Shri K. P. Rao, Member (Economic & Commercial). I would like to express our sincere appreciation to the officers and staff of P.D.B. & I. Directorate of CEA for the meticulous work done in bringing out this Report. Special mention may be made of the effort put in by Shri K. Gurumurthy, Director, Sh. S. R. Pabbi, Sh. R. C. Gangwani Deputy Directors, Sh. O. P. Arora, Assistant Director and Sh. D. P. Rathee, Extra-Assistant Director, Sh. P. K. Home, Sh. M. Sambath Kumar, Professional Assistants.

10. We are extremely grateful to the State Electricity Boards, the Power Corporations and other Power Utilities and Non-Utilities for their cooperation in furnishing the basic data. This publication would not have been possible but for their unstinting support and favourable response.

11. No effort has been spared to ensure accuracy of the material included in this publication. Inspite of this, if discrepancies have crept in, they may kindly be brought to the attention of the Central Electricity Authority for rectification.

12. We are conscious of the need for early publication of this General Review. To this end, we solicit the cooperation of Electricity Supply Undertakings, both in public and private sector, in ensuring that complete statistical details are made available to us in good time.

MAY, 1986
NEW DELHI

(M. K. SAMBAMURTI)
Chairman, C.E.A.

OVERVIEW OF POWER DEVELOPMENT IN THE COUNTRY-UTILITIES

Power Development in India commenced at the end of 19th Century with the commissioning of electricity supply in Darjeeling during 1897, followed by commissioning of hydel power station at Sivasasamudram in Karnataka during 1902. In the pre-independence era, the power supply was mainly in the hands of private sector, that too restricted to the urban areas. After independence, the Govt. of India felt the need for restructuring electricity supply industry with a view to rationalise its growth all over the country. The Electricity (Supply) Act was enacted in 1948. With the formation of State Electricity Boards in various parts of the country in the early 50s and with the advent of Five Year Plans, a significant step was taken in bringing about systematic growth of power supply industry all over the country. A number of multi-purpose projects came into being and with the setting up of thermal, hydro, nuclear power stations, power generation started increasing significantly. The central participation in the expansion of power generation programme started with the creation of two generating corporations namely, National Thermal Power Corporation and National Hydro Power Corporation during the year 1975, which gave a fillip to the growth of the power sector in the country. The growth of the power sector in the country from 1950 to the end of VIIth Plan period has been displayed in the tables immediately after this write-up, which is discussed in the subsequent paragraphs.

I. Installed Capacity

The installed capacity which was mere 1713 MW as on 31-12-1950 has risen to 42,591 MW at the end of VIIth Plan period, thermal constituting 27,026 MW i.e. 63.45% of the total installed capacity; hydel 14,470 MW i.e. 33.97%, Nuclear 1,095 MW i.e. 2.58% of the total installed capacity respectively. The total installed capacity rose to 46,795 MW (Provisional) at the end of 1985-86, the first year of the VIIth Plan. The target and achievement during the first year of the VIIth Plan are highlighted in para VIII of this Overview. There has been substantial growth in installed capacity during various five year plans ranging from 28% to as much as 94%.

II. Gross Generation

The generation which was 5,107 Gwh during the year ending on 31-12-1950 has risen to 156436 Gwh in 1984-85 (last year of VIIth Plan period), thermal constituting 98542 Gwh i.e. 62.99% of the total generation, hydel 53819 Gwh i.e. 34.40% of the total generation and Nuclear 4,075 Gwh i.e. 2.61% of total generation. The total generation rose to 1,70,045 Gwh (Provisional) during 1985-86, the first year of the VIIth plan. The target and achievement during the first year of the VIIth Plan are highlighted in para VIII of this Overview. There has been substantial growth in generation during various five year plans ranging from 40.6% to as much as 95%.

III. Consumption

The consumption of 4,157 Gwh as on 31-12-1950 rose to 1,14,049 Gwh during 1984-85 at the end of VIIth Plan. There has been substantial growth in the consumption during every Plan, the percentage varying from 34.5% to as much as 94.6%. The industrial and agricultural categories constitute the major consumers of electricity. The percentage with respect to total consumption varied between 55.41% to 73.5% in the industrial category and from 3.6% to 18.76% in the agricultural sector.

IV. Rural Electrification

The number of villages electrified also rose from 3061 covering 0.54% of total villages existing as on 31-12-1950 to as many as 3,70,302 at the end of the VIIth Plan covering 64.3% of total villages. The cumulative number of villages electrified at the end of 31-3-1986 i.e. at the end of the first year of the VIIth Plan was 3,90,268 (Provisional) covering 67.74% of the total villages. (Ref. Table (i) & (v)).

V. Length of Transmission & Distribution Lines

The length of transmission and distribution lines rose from 29,271 Ckt. Kms. as on 31-12-1950 to 23,51,609 Ckt. Kms. as on 31-3-1980. This went up further to 30,02,095 Ckt. Kms. at the end of March, 1984. The percentage growth in transmission & distribution lines varied from 9.6% to 243.1% [Ref. Table (i) & (v)].

VI. Per Capita Consumption

An important index of power development is in respect of per capita consumption which was a mere 17.8 Kwh during 1950 rose to 167.30 Kwh. at the end of VIIth Plan period i.e. during 1984-85. [Ref. Table (i) & (v)].

VII. Highlights of Proposals during 7th Five Year Plan—1985—90

A capacity addition of 22,245.25 MW has been envisaged in the VIIth Five Year Plan to increase the installed generating capacity in the country to 64,736.18 MW. This plan has been formulated keeping in view

(iv)

the long term power demand for the period upto 1984-95 as well as the overall development perspective. The generation from utilities is estimated to be 2,80,400 Gwh in 1989-90 envisaging a compound annual growth of 12.2%. There is also a programme of electrifying 1.18 Lakh villages during the VII plan bringing the total number of villages under electrification to 4,88,302 at the end of the VIIth Plan, which represents 84.75% of the total number of villages in the country. It is also proposed to energise 23.9 lakh pump sets during the VIIth Five Year Plan.

VIII.—Achievement during the First year of the VIIth Plan—1985-86.

A record addition of 4,233 MW in generating capacity was achieved during the year 1985-86 as against the target of 4,459.5 MW. The generation was 1,70,045 Gwh and exceeded marginally the target of 1,70,000 Gwh. 19965 villages were electrified during the year 1985-86, bringing the total village electrified to 3,90,268 representing 67.74% of total villages in the country. 439077 irrigation pump sets were energised bringing the total to 61,47,640 representing 51.23% of the total irrigation pump sets potential of 12 million.

TABLE NO. I
Table Showing The Growth of The Power Sector In The Country (Plan-wise) Utilities

| | 31-12-50 | Ist Plan ending on 31-3-56* | IIInd Plan ending on 31-3-61** | IIIrd Plan ending on 31-3-66 | 3 annual plans ending on 31-3-69 | IVth Plan ending on 31-3-74 | Vth Plan ending on 31-3-79 | Annual Plan ending on 31-3-80 | VIth Plan ending on 31-3-85 (Provisional) | 31-3-86£ | VIIth Plan ending on 31-3-90 @@ (Projected) |
|---|----------|-----------------------------------|--------------------------------------|------------------------------------|---|-----------------------------------|----------------------------------|--|--|--------------------|---|
| Installed capacity (MW) | 1,713 | 2,695 (57.3) | 4,653 (72.7) | 9,027 (94.0) | 12,957 (43.5) | 16,664 (28.6) | 26,682 (60.1) | 28,448 (6.6) | 42,591 (49.7) | 46,795 (9.87) | 64,736 (52.00) |
| Gross generation (GWH) | 5,107 | 8,592 (68.2) | 16,937 (97.1) | 32,990 (94.8) | 47,434 (43.8) | 66,669 (40.6) | 1,02,523 (53.7) | 1,04,627 (2.1) | 1,56,437 (49.5) | 1,70,045 (8.70) | 2,80,400 (79.2) |
| Consumption (GWH) | 4,157 | 6,711 (71.1) | 13,841 (94.6) | 26,735 (93.2) | 37,752 (39.7) | 50,246 (34.5) | 77,293 (53.8) | 78,084 (1.0) | 1,14,049 (46.1) | N.A. | 2,69,730 (84.1) |
| No. of villages electrified | 3,061 | 7,294 (138.3) | 21,754 (198.2) | 45,148 (107.6) | 73,739 (63.3) | 1,56,729 (112.5) | 2,32,770 (48.5) | 2,49,799 (7.3) | 3,70,302 (48.2) | 3,90,268 (5.4) | 4,87,840 (31.7) |
| Length of T&D lines 400 Kv to 230 Kv. (Ckt Kms.) | 29,271@ | 66,421@ (126.9) | 1,57,887@ (137.7) | 5,41,704 (243.1) | 8,36,367 (54.4) | 15,46,097 (84.9) | 21,45,919 (38.8) | 23,51,609 (9.6) | N.A. | N.A. | N.A. |
| Per capita consumption (KWH) | 17.80 | 26.40 (48.3) | 38.20 (44.7) | 61.30 (60.5) | 77.88 (27.0) | 97.48 (25.2) | 130.94 (34.3) | 130.49 (-0.3) | 167.30 (28.2) | N.A. | N.A. |

Note :— *Figures for the 1st Plan period are (w.e.f. 1-1-51 to 31-12-55).

**Figures for the IIInd Plan period (w.e.f. 1-1-56 to 31-3-56). Figures in brackets are % age growth with reference to preceding plans.

@@Source : From VIIth Plan Document issued by Planning Commission (Page-41 Vol.I)

@Does not include Distribution line as no information is available below 500 volts line.

£Tentative.

(vi)

TABLE NO. II
Installed Capacity in the Country Primemoverwise (MW) (Utilities only)

| Ye | Total Installed capacity (MW) | Hydro | Thermal | Nuclear |
|---------|-------------------------------|---------------------|---------------------|------------------|
| | 2 | | | |
| 1950 | 1,712.52 (100.00) | 559.29 (32.66) | 1,153.23 (67.34) | .. |
| 1951 | 1,835.43 (100.00) | 575.18 (31.34) | 1,260.25 (68.66) | .. |
| 1952 | 2,061.76 (100.00) | 715.18 (34.69) | 1,346.58 (65.31) | .. |
| 1953 | 2,305.19 (100.00) | 731.18 (31.72) | 1,574.01 (68.28) | .. |
| 1954 | 2,494.00 (100.00) | 793.35 (31.81) | 1,700.65 (66.19) | .. |
| 1955 | 2,694.82 (100.00) | 939.48 (34.86) | 1,755.34 (65.14) | .. |
| 1956 | 2,886.14 (100.00) | 1,061.44 (36.78) | 1,824.70 (63.22) | .. |
| 1957-58 | 3,223.11 (100.00) | 1,213.92 (37.66) | 2,009.19 (62.34) | .. |
| 1958-59 | 3,511.59 (100.00) | 1,361.75 (38.78) | 2,149.84 (61.22) | .. |
| 1959-60 | 3,873.17 (100.00) | 1,530.15 (39.51) | 2,343.02 (60.49) | .. |
| 1960-61 | 4,653.05 (100.00) | 1,916.66 (41.19) | 2,736.39 (58.81) | .. |
| 1961-62 | 5,218.82 (100.00) | 2,419.10 (46.35) | 2,799.72 (53.65) | .. |
| 1962-63 | 5,801.19 (100.00) | 2,936.35 (50.62) | 2,864.84 (49.38) | .. |
| 1963-64 | 6,575.94 (100.00) | 3,167.02 (48.16) | 3,408.92 (51.84) | .. |
| 1964-65 | 7,396.67 (100.00) | 3,388.73 (45.81) | 4,007.94 (54.19) | .. |
| 1965-66 | 9,027.02 (100.00) | 4,123.74 (45.68) | 4,903.28 (54.32) | .. |
| 1966-67 | 10,092.17 (100.00) | 4,757.22 (47.14) | 5,334.95 (52.86) | .. |
| 1967-68 | 11,883.16 (100.00) | 5,486.92 (46.17) | 6,396.24 (53.83) | .. |
| 1968-69 | 12,957.27 (100.00) | 5,906.91 (45.59) | 7,050.36 (54.41) | .. |
| 1969-70 | 14,102.45 (100.00) | 6,134.77 (43.50) | 7,547.68 (53.52) | 420.00 (2.98) |

(vif)

| | 1 | 2 | 3 | 4 | 5 |
|----------|---|-----------------------|----------------------|----------------------|--------------------|
| 1970-71 | . | 14,708.95 (100.00) | 6,383.23 (43.40) | 7,905.72 (53.74) | 420.00 (2.86) |
| 1971-72 | . | 15,254.37 (110.00) | 6,611.61 (43.34) | 8,222.76 (53.91) | 420.00 (2.75) |
| 1972-73 | . | 16,261.71 (100.00) | 6,785.41 (41.68) | 8,876.30 (54.51) | 620.00 (3.81) |
| 1973-74 | . | 16,663.56 (100.00) | 6,965.30 (41.80) | 9,058.26 (54.36) | 640.00 (3.84) |
| 1974-75 | . | 18,316.68 (100.00) | 7,529.24 (41.11) | 10,147.44 (55.40) | 640.40 (3.49) |
| 1975-76 | . | 20,117.06 (100.00) | 8,463.60 (42.07) | 11,013.46 (54.75) | 640.00 (3.18) |
| 1976-77 | . | 21,468.59 (100.00) | 9,024.90 (42.04) | 11,803.69 (54.98) | 640.00 (2.98) |
| 1977-78 | . | 23,668.71 (100.00) | 10,020.22 (42.34) | 13,008.49 (54.96) | 640.00 (2.70) |
| 1978-79 | . | 26,680.06 (100.00) | 10,833.07 (40.60) | 15,206.99 (57.00) | 640.00 (2.40) |
| 1979-80 | . | 28,447.83 (100.00) | 11,383.97 (40.02) | 16,423.86 (57.73) | 640.00 (2.25) |
| 1980-81 | . | 30,213.68 (100.00) | 11,791.22 (39.02) | 17,562.46 (58.13) | 860.00 (2.85) |
| 1981-82 | . | 32,345.09 (100.00) | 12,172.81 (37.63) | 19,312.28 (59.71) | 860.00 (2.66) |
| 1982-83 | . | 35,363.27 (100.00) | 13,055.86 (36.92) | 21,447.41 (60.65) | 860.00 (2.43) |
| 1983-84 | . | 39,338.86 (100.00) | 13,855.56 (35.23) | 24,388.30 (61.99) | 1,095.00 (2.78) |
| 1984-85* | . | 42,591.24 (100.00) | 14,469.97 (33.97) | 27,026.27 (63.46) | 1,095.00 (2.57) |
| 1985-86£ | . | 46,795.04 (100.00) | 15,480.97 (33.08) | 29,984.07 (64.08) | 1,330.00 (2.84) |

Note :— Figures in brackets indicate the percentage to total installed capacity

*Provisional.

£Tentative.

(viii)

TABLE NO. III

Gross Electricity Generation in the Country Primemoverwise (Utilities only)

(GWH)

| Year | Total Generation (GWH) | | | |
|---------|---------------------------|----------------------|----------------------|--------------------|
| | | Hydro | Thermal | Nuclear |
| 1 | 2 | 3 | 4 | 5 |
| 1950 | 5,106.70 (100.00) | 2,519.77 (49.34) | 2,586.93 (50.66) | .. |
| 1951 | 5,858.40 (100.00) | 2,859.70 (48.81) | 2,998.70 (51.19) | .. |
| 1952 | 6,120.35 (100.00) | 2,799.13 (45.73) | 3,321.22 (54.27) | .. |
| 1953 | 6,697.19 (100.00) | 2,913.86 (43.51) | 3,783.33 (56.49) | .. |
| 1954 | 7,521.78 (100.00) | 3,236.52 (43.03) | 4,285.26 (56.97) | .. |
| 1955 | 8,592.45 (100.00) | 3,742.24 (43.55) | 4,850.21 (56.45) | .. |
| 1956 | 9,662.13 (100.00) | 4,294.87 (44.45) | 5,367.26 (55.55) | .. |
| 1957-58 | 11,369.14 (100.00) | 5,072.24 (44.61) | 6,296.90 (55.39) | .. |
| 1958-59 | 12,993.89 (100.00) | 5,848.10 (45.01) | 7,145.79 (54.99) | .. |
| 1959-60 | 15,032.95 (100.00) | 7,027.42 (46.75) | 8,005.53 (53.25) | .. |
| 1960-61 | 16,937.01 (100.00) | 7,836.58 (46.27) | 91,00.43 (53.73) | .. |
| 1961-62 | 19,669.95 (100.00) | 9,814.38 (49.90) | 9,855.57 (50.10) | .. |
| 1962-63 | 22,364.97 (100.00) | 11,804.54 (52.78) | 10,560.43 (47.22) | .. |
| 1963-64 | 26,817.57 (100.00) | 13,956.70 (52.04) | 12,860.87 (47.96) | .. |
| 1964-65 | 29,563.08 (100.00) | 14,798.85 (50.06) | 14,764.23 (49.94) | .. |
| 1965-66 | 32,990.12 (100.00) | 15,224.97 (46.15) | 17,765.15 (53.85) | .. |
| 1966-67 | 36,375.59 (100.00) | 16,734.10 (46.00) | 19,641.49 (54.00) | .. |
| 1967-68 | 41,194.64 (100.00) | 18,658.06 (45.29) | 22,536.68 (54.71) | .. |
| 1968-69 | 47,433.65 (100.00) | 20,722.67 (43.69) | 26,710.98 (56.31) | .. |
| 1969-70 | 51,988.72 (100.00) | 23,046.05 (44.33) | 27,603.67 (53.10) | 1,339.00 (2.57) |
| 1970-71 | 55,827.64 (100.00) | 25,248.24 (45.23) | 28,162.02 (50.44) | 2,417.38 (4.33) |
| 1971-72 | 60,925.63 (100.00) | 28,024.22 (46.00) | 31,712.09 (52.05) | 1,189.32 (1.95) |

(ix)

| | 1 | 2 | 3 | 4 | 5 |
|----------|---|-------------------------|----------------------|------------------------|--------------------|
| 1972-73 | . | 64,546.00 (100.00) | 27,195.95 (42.13) | 36,217.31 (56.11) | 1,132.74 (1.76) |
| 1973-74 | . | 66,689.03 (100.00) | 28,971.84 (43.45) | 35,320.83 (52.96) | 2,396.36 (3.59) |
| 1974-75 | . | 70,190.53 (100.00) | 27,875.18 (39.72) | 46,109.26 (57.14) | 2,206.09 (3.14) |
| 1975-76 | . | 79,230.92 (100.00) | 33,301.77 (42.03) | 43,302.64 (54.65) | 2,626.51 (3.32) |
| 1976-77 | . | 88,333.31 (100.00) | 34,836.13 (39.43) | 50,244.90 (56.89) | 3,252.28 (3.68) |
| 1977-78 | . | 91,369.03 (100.00) | 38,007.16 (41.60) | 51,089.70 (55.91) | 2,272.17 (2.49) |
| 1978-79 | . | 1,02,522.52 (100.00) | 47,158.86 (46.00) | 52,593.98 (51.30) | 2,769.68 (2.70) |
| 1979-80 | . | 1,04,627.26 (100.00) | 45,477.55 (43.47) | 56,273.12 (53.78) | 2,876.59 (2.75) |
| 1980-81 | . | 1,10,843.96 (100.00) | 46,541.76 (41.99) | 61,300.86 (55.30) | 3,001.34 (2.71) |
| 1981-82 | . | 1,22,101.43 (100.00) | 49,564.93 (40.60) | 69,515.61 (56.93) | 3,020.89 (2.47) |
| 1982-83 | . | 1,30,263.58 (100.00) | 48,373.38 (37.13) | 79,868.26 (61.32) | 2,021.94 (1.55) |
| 1983-84 | . | 1,40,177.36 (100.00) | 49,954.27 (35.64) | 86,677.03 (61.83) | 3,546.06 (2.53) |
| 1984-85* | . | 1,56,436.59 (100.00) | 53,819.35 (34.40) | 98,542.40 (62.99) | 4,074.84 (2.61) |
| 1985-86£ | . | 1,70,045.00 (100.00) | 50,940.00 (29.96) | 1,14,120.00 (67.11) | 4,985.00 (2.93) |

Note :— Figures in brackets indicate percentage to total generation.

*Provisional.

£Tentative.

(₹)

TABLE NO. IV

**CONSUMPTION PATTERN IN THE COUNTRY IN DIFFERENT CATEGORIES
(UTILITIES ONLY) (GWH)**

| Year | Total Energy Sold (Mkwh) | Domestic | Commercial | Industrial | Traction | Agriculture | Others |
|-------------|--------------------------|--------------------|-------------------|---------------------|-------------------|--------------------|-------------------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| 1950 . . . | 4,156.66 (100.00) | 524.59 (12.6) | 308.75 (7.5) | 2,603.81 (62.6) | 308.41 (7.4) | 161.68 (3.9) | 438.52 (6.0) |
| 1951 . . . | 4,793.34 (100.00) | 594.99 (12.4) | 331.54 (6.9) | 3,054.67 (63.7) | 329.60 (6.9) | 203.04 (4.3) | 279.50 (5.8) |
| 1952 . . . | 5,005.68 (100.00) | 628.88 (12.6) | 336.63 (6.7) | 3,206.52 (64.0) | 324.75 (6.5) | 215.18 (4.3) | 293.72 (5.9) |
| 1953 . . . | 5,597.08 (100.00) | 690.52 (12.3) | 399.10 (7.1) | 3,613.22 (64.6) | 358.32 (6.4) | 214.12 (3.8) | 321.80 (5.8) |
| 1954 . . . | 6,252.50 (100.00) | 759.16 (12.1) | 446.15 (7.1) | 4,075.97 (65.2) | 378.41 (6.1) | 231.39 (3.7) | 361.42 (5.8) |
| 1955 . . . | 7,111.01 (100.00) | 850.43 (12.0) | 514.43 (7.2) | 4,698.30 (66.0) | 403.31 (5.7) | 254.79 (3.6) | 389.75 (5.5) |
| 1956-57 . . | 7,959.34 (100.00) | 934.11 (11.7) | 545.84 (6.8) | 5,323.43 (66.9) | 404.93 (5.1) | 316.18 (4.0) | 434.85 (5.5) |
| 1957-58 . . | 9,345.22 (100.00) | 1,093.63 (11.6) | 609.81 (6.5) | 6,166.80 (66.0) | 423.29 (4.5) | 544.64 (6.0) | 507.05 (5.4) |
| 1958-59 . . | 10,718.61 (100.00) | 1,238.03 (11.5) | 682.81 (6.3) | 7,224.05 (67.5) | 441.56 (4.1) | 583.48 (5.5) | 548.68 (5.1) |
| 1959-60 . . | 12,406.94 (100.00) | 1,378.54 (11.1) | 766.17 (6.2) | 8,455.52 (68.2) | 440.60 (3.6) | 753.95 (6.1) | 612.16 (4.8) |
| 1960-61 . . | 13,840.64 (100.00) | 1,492.29 (10.7) | 847.74 (6.1) | 9,584.32 (69.4) | 453.93 (3.3) | 832.93 (6.0) | 629.43 (4.5) |
| 1961-62 . . | 16,448.29 (100.00) | 1,698.08 (10.3) | 934.09 (5.7) | 11,545.00 (70.2) | 584.76 (3.6) | 991.14 (6.0) | 695.22 (4.2) |
| 1962-63 . . | 18,679.02 (100.00) | 1,917.85 (10.3) | 1,048.62 (5.6) | 13,109.81 (70.2) | 723.84 (3.9) | 1,103.52 (5.9) | 775.38 (4.1) |
| 1963-64 . . | 21,793.98 (100.00) | 2,062.41 (9.7) | 1,179.72 (5.5) | 15,841.84 (73.5) | 755.58 (2.2) | 1,153.17 (5.4) | 801.26 (3.7) |
| 1964-65 . . | 24,219.27 (100.00) | 2,246.21 (9.2) | 1,427.48 (5.9) | 17,378.58 (71.8) | 898.33 (3.7) | 1,396.69 (5.8) | 871.98 (3.6) |
| 1965-66 . . | 26,734.94 (100.00) | 2,355.15 (8.8) | 1,650.06 (6.2) | 18,875.87 (70.6) | 1,057.29 (4.0) | 1,891.84 (7.1) | 904.73 (3.3) |
| 1966-67 . . | 29,127.64 (100.00) | 2,626.72 (9.0) | 1,819.62 (6.2) | 20,390.80 (70.0) | 1,180.22 (4.1) | 2,106.50 (7.2) | 1,003.78 (3.5) |
| 1967-68 . . | 32,686.87 (100.00) | 2,927.97 (8.9) | 1,750.19 (5.4) | 22,852.24 (69.9) | 1,301.66 (4.0) | 2,585.25 (7.9) | 1,269.56 (3.9) |
| 1968-69 . . | 37,352.35 (100.00) | 3,184.19 (8.5) | 2,125.74 (5.7) | 25,891.23 (69.3) | 1,246.58 (3.3) | 3,465.54 (9.3) | 1,439.07 (3.9) |
| 1969-70 . . | 41,061.70 (100.00) | 3,491.00 (8.6) | 2,333.33 (5.7) | 28,378.66 (69.1) | 1,448.32 (3.5) | 3,774.11 (9.2) | 1,636.28 (3.9) |
| 1970-71 . . | 43,724.16 (100.00) | 3,839.76 (8.8) | 2,572.66 (5.9) | 29,579.10 (67.6) | 1,364.57 (3.2) | 4,470.23 (10.2) | 1,897.84 (4.3) |
| 1971-72 . . | 47,063.20 (100.00) | 4,107.46 (8.9) | 2,942.78 (6.3) | 31,637.18 (67.2) | 1,632.69 (8.5) | 5,005.62 (10.6) | 1,737.47 (3.7) |

(xi)

| | 1 | 2 | 3 | 4 | 5 | 6 | 7 |
|--------------|-------------------------|----------------------|--------------------|----------------------|--------------------|----------------------|--------------------|
| 1972-73 . . | 49,088.06 (100.00) | 4,309.01 (8.8) | 2,782.19 (5.7) | 32,244.21 (65.7) | 1,830.57 (3.7) | 5,918.10 (12.0) | 2,003.98 (4.1) |
| 1973-74 . . | 50,246.38 (100.00) | 4,644.55 (9.2) | 2,987.52 (6.0) | 32,481.38 (64.6) | 1,530.76 (3.0) | 6,310.21 (12.6) | 2,291.96 (4.6) |
| 1974-75 . . | 52,631.64 (100.00) | 5,172.79 (9.8) | 3,081.57 (5.9) | 32,690.28 (62.1) | 1,531.17 (2.9) | 7,762.73 (14.7) | 2,393.10 (4.6) |
| 1975-76 . . | 60,245.81 (100.00) | 5,821.35 (9.66) | 3,506.76 (5.82) | 37,568.12 (62.36) | 1,855.32 (3.08) | 8,721.06 (14.48) | 2,773.20 (4.60) |
| 1976-77 . . | 66,608.57 (100.00) | 6,336.56 (9.51) | 4,141.92 (6.22) | 41,605.63 (62.47) | 2,167.72 (3.25) | 9,620.63 (14.44) | 2,736.11 (4.11) |
| 1977-78 . . | 69,255.03 (100.00) | 6,821.31 (9.85) | 4,427.59 (6.39) | 42,635.20 (61.57) | 2,296.81 (3.32) | 10,107.36 (14.59) | 2,966.76 (4.28) |
| 1978-79 . . | 77,292.82 (100.00) | 7,575.66 (9.80) | 4,330.58 (5.60) | 47,727.70 (61.75) | 2,185.58 (2.83) | 12,027.85 (15.56) | 3,445.45 (4.46) |
| 1979-80 . . | 78,083.62 (100.00) | 8,402.23 (10.76) | 4,656.58 (5.95) | 45,955.48 (58.86) | 2,301.15 (2.95) | 13,452.00 (17.23) | 3,316.18 (4.25) |
| 1980-81 . . | 82,367.18 (100.00) | 9,246.43 (11.23) | 4,681.84 (5.68) | 48,069.35 (58.36) | 2,265.91 (2.75) | 14,489.03 (17.59) | 3,614.62 (4.39) |
| 1981-82 . . | 90,245.33 (100.00) | 10,439.62 (11.57) | 5,194.41 (5.76) | 53,063.79 (58.80) | 2,504.72 (2.78) | 15,201.16 (16.84) | 3,841.63 (4.25) |
| 1982-83 . . | 95,588.57 (100.00) | 12,091.63 (12.65) | 5,846.25 (6.12) | 52,967.36 (55.41) | 2,632.60 (2.75) | 17,816.84 (18.64) | 4,233.89 (4.43) |
| 1983-84 . . | 1,02,344.49 (100.00) | 13,234.51 (12.93) | 6,560.95 (6.41) | 57,094.47 (55.79) | 2,709.86 (2.65) | 18,233.63 (17.81) | 4,511.07 (4.41) |
| 1984-85* . . | 1,14,048.82 (100.00) | 15,044.29 (13.19) | 6,891.59 (6.04) | 63,324.23 (55.52) | 2,880.97 (2.53) | 21,394.96 (18.76) | 4,512.78 (3.96) |

Note :— Figures in brackets indicate the percentage of the total sales.

* Provisional.

(xii)

TABLE NO. V

No. of Villages Electrified T & D lines and per capita consumption in the Country.

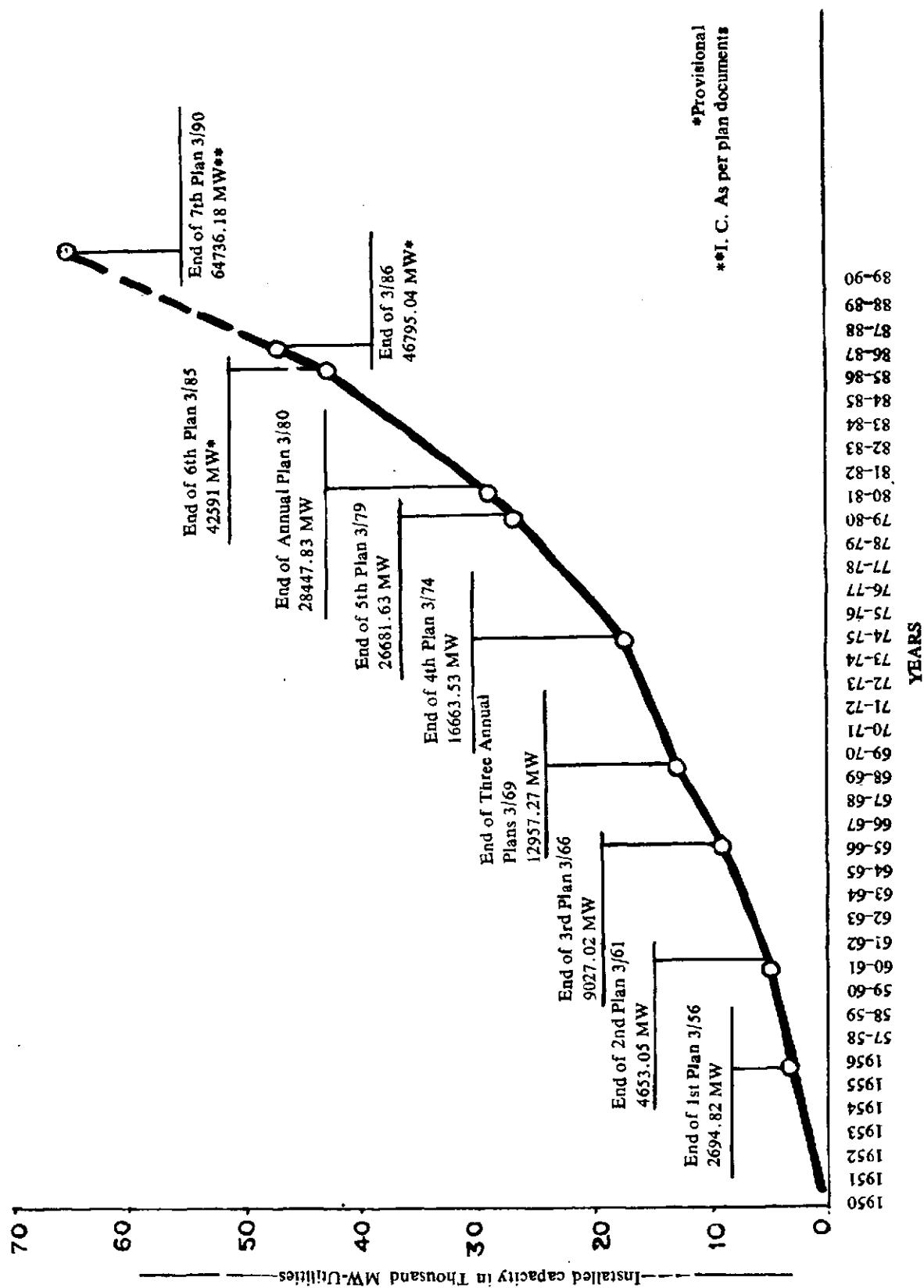
| Year | No. of villages electrified | | Transmission & distribution lines(Ckt. kms.) | Per capita consumption (utility+ non-utility (KWH)) |
|----------|-----------------------------|----------|---|--|
| | 1 | 2 | 3 | 4 |
| 1950 | . | . | 29,271 | 14·6 |
| 1951 | . | . | 39,064 | 17·8 |
| 1952 | . | . | 43,945 | 17·9 |
| 1953 | . | . | 52,504 | 20·9 |
| 1954 | . | . | 58,910 | 20·9 |
| 1955 | . | . | 66,421 | 23·0 |
| 1956 | . | 7,294 | 85,427 | 26·4 |
| 1957-58 | . | N.A. | 1,01,861 | 27·9 |
| 1958-59 | . | N.A. | 1,19,936 | 30·7 |
| 1959-60 | . | N.A. | 1,32,473 | 34·8 |
| 1960-61 | . | 21,754 | 1,57,887 | 38·2 |
| 1961-62 | . | N.A. | 1,69,505 | 43·6 |
| 1962-63 | . | N.A. | 3,85,739 | 48·5 |
| 1963-64 | . | N.A. | 4,13,139 | 54·4 |
| 1964-65 | . | N.A. | 4,65,680 | 57·5 |
| 1965-66 | . | 45,148 | 5,41,704 | 61·4 |
| 1966-67 | . | 54,515 | 6,60,859 | 66·2 |
| 1967-68 | . | 62,540 | 7,17,615 | 71·6 |
| 1968-69 | . | 73,739 | 8,36,301 | 77·9 |
| 1969-70 | . | 88,831 | 9,76,059 | 83·5 |
| 1970-71 | . | 1,04,942 | 11,17,163 | 89·8 |
| 1971-72 | . | 1,22,100 | 13,04,169 | 93·8 |
| 1972-73 | . | 1,39,560 | 14,18,364 | 96·3 |
| 1973-74 | . | 1,56,729 | 15,46,097 | 97·48 |
| 1974-75 | . | 1,73,533 | 15,21,848 | 98·99 |
| 1975-76 | . | 1,85,808 | 17,18,942 | 109·95 |
| 1976-77 | . | 2,02,350 | 18,50,273 | 119·38 |
| 1977-78 | . | 2,16,863 | 19,99,080 | 120·73 |
| 1978-79 | . | 2,32,770 | 21,45,919 | 130·94 |
| 1979-80 | . | 2,49,799 | 23,31,609 | 130·49 |
| 1980-81 | . | 2,72,287 | 25,22,461 | 132·34 |
| 1981-82 | . | 2,96,505 | 26,93,086 | 141·27 |
| 1982-83 | . | 3,23,881 | 28,65,312 | 147·05 |
| 1983-84 | . | 3,47,564 | 30,02,095 | 154·39 |
| 1984-85* | . | 3,70,302 | N.A. | 167·30 |
| 1985-86* | . | 3,90,268 | N.A. | N.A. |

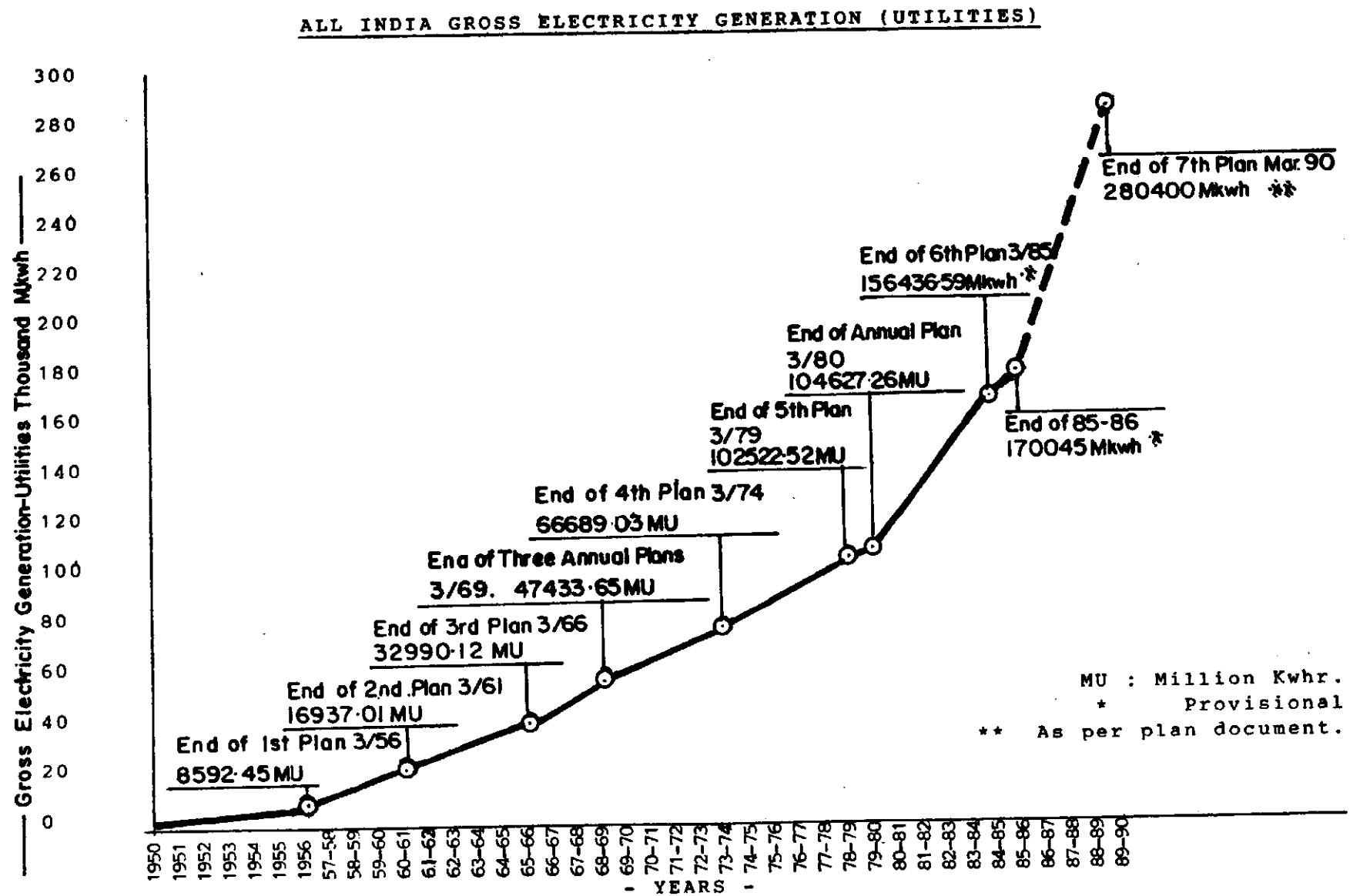
Note :— 1. For the years 1950 to 1961-62 Distribution lines length is not included in the total as its data is not available.

2. Figures have been revised for the year 1966-67 to 1976-77.

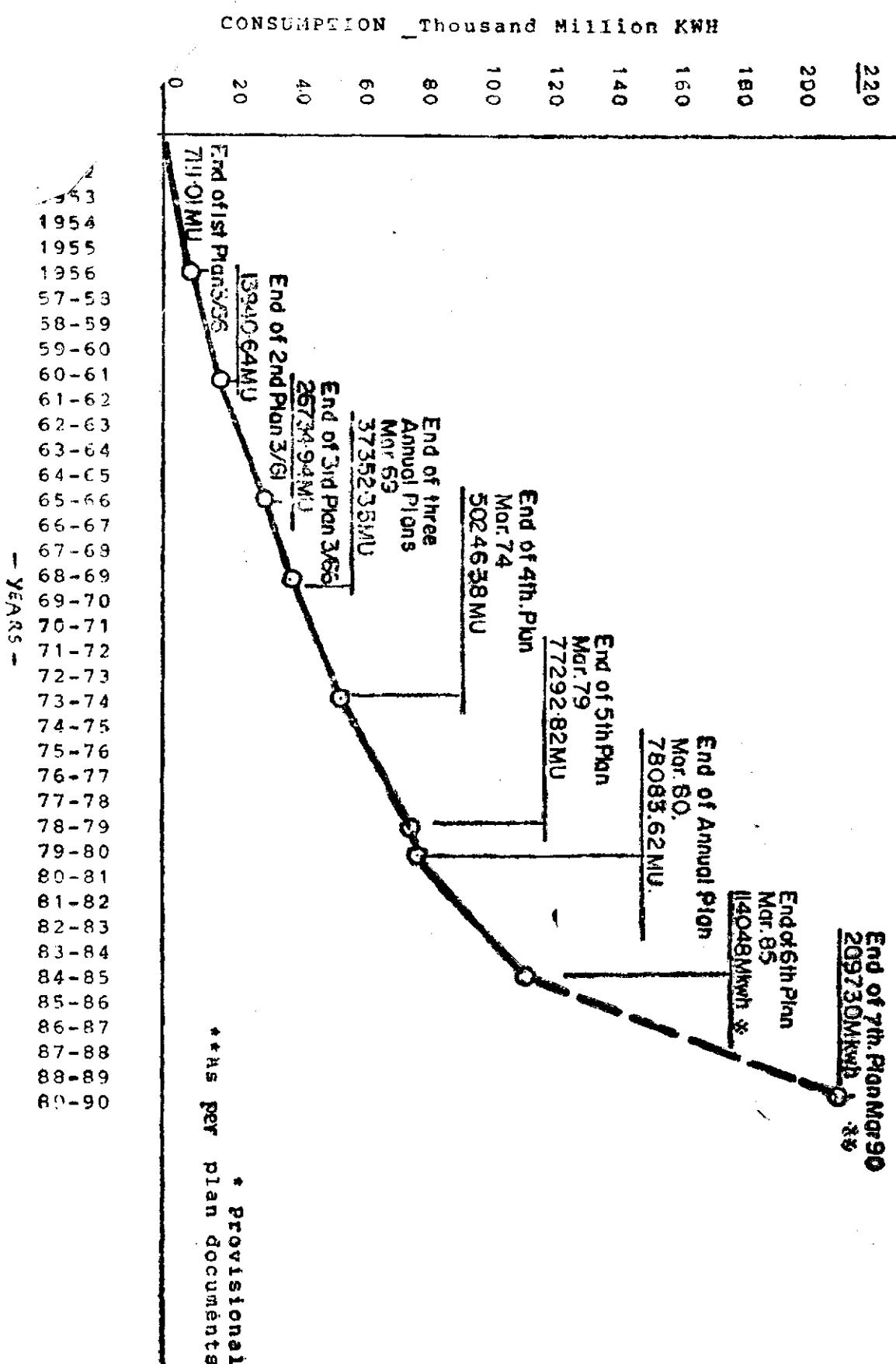
* Provisional.

ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES)





ALL INDIA ELECTRICITY CONSUMPTION BY ULTIMATE CONSUMERS (UTILITIES ONLY)



CONTENTS
DESCRIPTION
ORGANISATION

| Table No. | | Page No. |
|---|--|----------|
| SECTION I | | |
| Review | | 1 |
| 1. Names of State Electricity Boards established under section 5 of the Electricity Supply Act, 1948 | | 2 |
| 2. Names of generating companies, power corporations, management Boards under central & joint State partnership for meeting regional power requirements and Electricity Department of Government of various State/U.Ts. | | 3 |
| 3. Classification of licensees undertaking into (1) generating and distributing (2) Generating, purchasing and distributing (3) Purchasing and Distributing | | 4 |
| 4. Distribution of municipal undertakings | | 5 |
| 5. Acquisition of Electricity Supply Undertakings during 1983-84 | | 6 |
| 6. New Electricity Supply Undertaking started operating during the year 1983-84 | | 6 |
| SECTION II GENERATING CAPACITY | | |
| Review | | 9 |
| 7. All India installed generating capacity (utilities and non-utilities)—Primemoverwise as on 31-3-1984 | | 10 |
| 8. All India installed generating capacity (utilities only) ownershipwise & Primemoverwise as on 31-3-1984 | | 11 |
| 9. All India installed generating capacity (utilities only)—Regionwise/Statewise as on 31-3-1984 | | 13 |
| 10. All India installed generating capacity (utilities only) Ownershipwise—Regionwise/Statewise as on 31-3-1984 | | 14 |
| 11. Installed generating capacity (utilities only)—Primemoverwise, Regionwise/Statewise as on 31-3-1984 | | 18 |
| 12. Installed generating capacity of State Electricity Boards—Primemoverwise as on 31-3-1984 | | 23 |
| 13. Installed generating capacity of Electricity Deptts/Govt. Undertakings, Municipalities and Private Sector—Primemoverwise—Regionwise as on 31-3-1984 | | 28 |
| 14. Addition in generating capacity (utilities only) during the year 1983-84 | | 33 |
| 15. Addition/Deletion of plant capacity—primemoverwise—Regionwise/Statewise during the year 1983-84 | | 35 |
| 16. Classification of undertakings capacitywise as on 31-3-1984 | | 38 |
| 17. Classification of Power Stations—Capacitywise as on 31-3-1984 | | 39 |
| 18. Classification of sets primemoverwise—Capacitywise as on 31-3-1984 | | 40 |
| SECTION III GENERATION | | |
| Review | | 43 |
| 19. Gross energy generation in the country (utilities and non-utilities)—Primemoverwise during the year 1983-84 | | 44 |
| 20. All India electricity generation (utilities only) ownershipwise and primemoverwise during 1983-84 | | 45 |
| 21. All India gross energy generation (utilities only)—ownershipwise, regionwise/statewise during 1983-84 | | 47 |
| 22. Gross energy generation (utilities only)—Ownershipwise Regionwise/Statewise during 1983-84 | | 48 |
| 23. Gross energy generation (utilities only) Primemoverwise Regionwise/Statewise during 1983-84 | | 52 |
| 24. Gross energy generation by State Electricity Boards Primemoverwise during 1983-84 | | 57 |
| 25. Gross energy generation by electricity departments, Govt. undertakings, Central Sector, Municipalities and Private Sector—Primemoverwise/Regionwise—during 1983-84 | | 62 |
| 26. Classification of undertakings generationwise—1983-84 | | 67 |
| SECTION IV CAPTIVE PLANTS | | |
| Review | | 71 |
| 27. Installed generating capacity of selected industries Regionwise/Statewise as on 31-3-1984 | | 72 |
| 28. Gross energy generation by selected industries regionwise/Statewise during 1983-84 | | 78 |
| 29. Electricity production and consumption in selected industries (Industrywise) during 1983-84 | | 84 |
| 30. Installed capacity, energy generation and consumption in selected industries—Regionwise/Statewise during 1983-84 | | 88 |
| 31. Energy consumption by selected industries Regionwise/Statewise during 1983-84 | | 91 |
| 32. Classification of captive plants—Capacitywise | | 98 |
| 33. Installed plant capacity and energy generation by the Railways—Regionwise/Statewise during the year 1983-84 | | 99 |
| 34. Zonewise installed capacity and energy generated by the Railways during the year 1983-84 | | 101 |

(xiv)

**SECTION V
ELECTRIC POWER SUPPLY & SYSTEM LOSSES**

| Table No. | | Page No. |
|---------------|--|----------|
| Review | | 105 |
| 35. | Electricity generated, purchased, sold and energy losses (All India utilities) during 1983-84 | 106 |
| 36. | Energy lost in Transmission & Distribution system Regionwise during 1983-84 | 107 |
| 37. | Energy generation (net), inter system transfer of power, utilisation of energy & system losses statewise | 108 |
| 38. | Energy generation (net), inter system transfer of energy, utilisation and losses of State Electricity Boards, D.V.C., B.B.M.B. & D.E.S.U. during 1983-84 | 111 |
| 39. | Pilferage/Misuse of Energy as reported by State Electricity Boards during 1983-84 | 114 |
| 40. | Gross Generation, Net energy generation & Auxiliary consumption (utilities only) Primemoverwise—Regionwise/Statewise during 1983-84 | 115 |
| 41. | Share of participating states in jointly owned power stations during 1983-84 | 121 |
| 42. | Installed capacity, energy generated, energy sent out by Central Govt. projects & D.V.C during 1983-84 | 123 |
| 43. | Interstate transfer of energy Regionwise/Statewise during 1983-84. | 125 |

**SECTION VI
DESCRIPTION
OPERATING DATA**

| | | |
|---------------|---|-----|
| Review | | 129 |
| 44. | Consumption of fossil fuels for electricity generation by thermal stations (by kind of fuels) Regionwise/Statewise during 1983-84 | 130 |
| 45. | Classification of steam stations efficiencywise during 1983-84 | 135 |
| 46. | Silient operating data for steam power stations (utilities only) during 1983-84 | 136 |
| 47. | Actual simultaneous Peak Demand Regionwise during 1983-84 | 137 |
| 48. | Manpower engaged in State Electricity Boards, D.V.C. and D.E.S.U. as on 31-3-1984 | 138 |

**SECTION VII
TRANSMISSION AND DISTRIBUTION**

| | | |
|---------------|---|-----|
| Review | | 143 |
| 49. | Length of transmission and distribution lines Regionwise/Statewise as on 31-3-1984 | 144 |
| 50. | Length of transmission and distribution lines in State Electricity Boards as on 31-3-1984 | 148 |
| 51. | Number of transformers & their aggregate capacity (utilities only) Regionwise/Statewise as on 31-3-1984 | 152 |
| 52. | Number of transformers and their aggregate capacity in State Electricity Boards as on 31-3-1984 | 154 |

**SECTION VIII
UTILISATION**

| | | |
|---------------|---|-----|
| Review | | 159 |
| 53. | All India energy sales (utilities only) during 1983-84 | 160 |
| 54. | Energy sales to ultimate consumers (utilities only) ownershipwise—Regionwise/Statewise during 1984-84 | 161 |
| 55. | Energy sales to ultimate consumers (Utilities only) categorywise—Regionwise/Statewise during the year 1983-84 | 164 |
| 56. | Energy sales by State Electricity Boards—Categorywise during the year 1983-84 | 167 |
| 57. | Energy sales by private licensees—Categorywise Regionwise/Statewise during 1983-84 | 170 |
| 58. | Energy sales to ultimate consumers by electricity departments, Central Sector, Corporations, Govt. Undertakings and Municipalities—Categorywise—Regionwise/Statewise during 1983-84 | 173 |

DESCRIPTION

| | | |
|-----|---|-----|
| 59. | Pattern of energy sales—Categorywise—Regionwise/Statewise during 1983-84 | 176 |
| 60. | Annual per capita consumption of electricity (utilities and non-utilities) categorywise—Regionwise/Statewise during 1983-84 | 179 |
| 61. | Energy consumption per square kilometer and per thousand population (utilities only) Regionwise/Statewise during 1983-84 | 182 |
| 62. | Electrical accidents during 1983-84 | 184 |

**SECTION IX
CONSUMERS & CONNECTED LOAD**

| | | |
|---------------|--|-----|
| Review | | 189 |
| 63. | Classification of consumers and connected load (utilities only) Regionwise/Statewise as on 31-3-84 | 190 |
| 64. | Average electricity consumption per consumer categorywise—Regionwise/Statewise as on 31-3-1984 | 195 |
| 65. | Average connected load per consumer categorywise—Regionwise/Statewise as on 31-3-1984 | 198 |

**SECTION X
URBAN AND RURAL ELECTRIFICATION**

| | | |
|---------------|--|-----|
| Review | | 203 |
| 66. | Towns electrified in various population groups (1971 census) Regionwise/Statewise as on 31-3-1984 | 204 |
| 67. | Villages electrified in various population groups (1971 census) and rural population benefited by electricity—Regionwise/Statewise as on 31-3-1984 | 206 |
| 68. | Irrigation pumpsets energised—Regionwise/Statewise as on 31-3-1984 | 209 |

SECTION I

Organisational Structure of Electricity Supply Industry in India

(xv)

ORGANISATION

During the year under review there was no change in number of State Electricity Boards and Electricity Department, Undertakings. There were 18 State Electricity Boards in the country. All the States except Sikkim, Manipur, Nagaland and Tripura have State Electricity Boards. During the year 1983-84 one Municipal Licensee has been taken over by Maharashtra State Electricity Board and four new private Licensees (Co-operative Society) were formed in the States of Andhra Pradesh (Three) and Tamil Nadu (One). Thus there were in all 42 private licensees and 13 Municipal licensees operative at the end of the year 1983-84. Out of 42 private licensees 29 were Co-operative Societies.

The number of State Electricity Boards Undertakings and Licensees are shown in tables of this Section.

TABLE NO. 1

**Names of State Electricity Boards Established under section 5th of the
Electricity Supply Act, 1948**

| Sl. No. | Name of the State | Name of the State Electricity Board | Date of Establishment |
|-----------------------------|----------------------------|--|--------------------------|
| NORTHERN REGION | | | |
| 1 | Haryana | Haryana State Elecy. Board, Chandigarh | 1-4-1967 |
| 2 | Himachal Pradesh | Himachal Pradesh S.E.B., Simla | 31-8-1971 |
| 3 | Jammu & Kashmir | Jammu & Kashmir S.E.B., Jammu/Srinagar | 5-9-1972 |
| 4 | Punjab | Punjab S.E.B., Patiala | 1-2-1959 |
| 5 | Rajasthan | Rajasthan S.E.B., Jaipur | 1-7-1957 |
| 6 | Uttar Pradesh | Uttar Pradesh S.E.B., Lucknow | 1-4-1959 |
| WESTERN REGION | | | |
| 7 | Gujarat | Gujarat Elecy. Board, Baroda | 1-5-1960 |
| 8 | Madhya Pradesh | Madhya Pradesh S.E.B., Jabalpur | 1-4-1957 |
| 9 | Maharashtra | Maharashtra S.E.B., Bombay | 20-6-1960 |
| SOUTHERN REGION | | | |
| 10 | Andhra Pradesh | Andhra Pradesh S.E.B., Hyderabad | 1-4-1959 |
| 11 | Karnataka | Karnataka Elecy. Board, Bangalore | 30-9-1957 |
| 12 | Kerala | Kerala S.E.B., Trivandrum | 31-3-1957 |
| 13 | Tamil Nadu | Tamil Nadu Elecy. Board, Madras | 1-7-1957 |
| EASTERN REGION | | | |
| 14 | Bihar | Bihar S.E.B., Patna | 1-4-1958 |
| 15 | Orissa | Orissa S.E.B., Bhubaneshwar | 1-3-1961 |
| 16 | West Bengal | West Bengal S.E.B., Calcutta | 1-5-1956 |
| NORTH EASTERN REGION | | | |
| 17 | Assam | Assam S.E.B., Gauhati | 1-6-1958 |
| 18 | Meghalaya | Meghalaya S.E.B., Shillong | 21-1-1975 |

S.E.B.—State Electricity Board.

3

TABLE NO. 2

Name of Generating Companies, Power Corporation, Management Boards under Central or Joint State Partnership for meeting regional power requirements and Electricity Departments of Government of various States/Union Territories

| Sl. No. | Name | Location of H.Q. | Ownership |
|--|--|--------------------------|---|
| (A) Generating Undertakings : | | | |
| 1 | National Thermal Power Corporation, New Delhi | New Delhi | Central Government |
| 2 | National Hydro Electric Power Corporation | Do. | Do. |
| 3 | North Eastern Electric Power Corporation Ltd. (NEEPCO)* | Shillong | Do. |
| 4 | Atomic Power Authority | Bombay | Do. |
| 5 | Central Railways, Chola | Do. | Do. |
| 6 | Neyveli Lignite Corporation | Neyveli | Do. |
| 7 | Damodar Valley Corporation | Calcutta | Do. |
| 8 | Karnataka Power Corporation | Bangalore | Karnataka Government |
| 9 | Bakra Beas Management Board | Chandigarh | Punjab, Haryana and Rajasthan Governments |
| 10 | Machkund Hydro Electric Project | Vishakapatnam** | Andhra Pradesh/Orissa Governments |
| 11 | Tungabhadra Hydro Electric Scheme, Tungabhadra Board | Ballary Distt. Karnataka | Andhra Pradesh/Karnataka Governments. |
| (B) State Electricity Departments | | | |
| 1 | Manipur | Imphal | State Government |
| 2 | Nagaland | Kohima | Do. |
| 3 | Sikkim | Gangtok | Do. |
| 4 | Tripura | Agartala | Do. |
| (C) Union Territories | | | |
| 1 | Andaman & Nicobar Islands | Port Blair | Electricity Department of Union Territories |
| 2 | Arunachal Pradesh | Itanagar | |
| 3 | Chandigarh | Chandigarh | |
| 4 | Dadra & Nagar Haveli* | Silvassa | |
| 5 | Goa, Daman & Diu | Panaji | |
| 6 | Lakshadweep | Cochin | |
| 7 | Mizoram | Aizawl | |
| 8 | Pondicherry* | Pondicherry | |

** Operation of the Power House is under the control of the Superintending Engineer (Operation), Andhra Pradesh State Electricity Board, Vishakapatnam.

* Non-Generating Undertakings.

TABLE NO. 3
Distribution of Licensees undertakings as on 31-3-84

| Sl. No. | Region/State | Number of Companies | | | TOTAL |
|---------------------------------|--------------|------------------------------|--|------------------------------|--------------|
| | | Generating & Distributing | Generating Pur- chasing & Dis- tributing | Purchasing & Distributing | |
| (A) NORTHERN REGION | | | | | |
| 1 Jammu & Kashmir | . | . | .. | 1 | 1 |
| 2 Rajasthan | . | . | .. | 1 | 1 |
| 3 Uttar Pradesh | . | . | .. | 1 | 1 |
| Total Northern Region | . | . | .. | 3 | 3 |
| (B) WESTERN REGION | | | | | |
| 1 Gujarat | . | . | 2 | .. | 2 |
| 2 Madhya Pradesh | . | . | .. | 7 | 7 |
| 3 Maharashtra | . | . | 1 | 9 | 10 |
| Total Western Region | . | . | 3 | 16 | 19 |
| (C) SOUTHERN REGION | | | | | |
| 1 Andhra Pradesh | . | . | .. | 9 | 9 |
| 2 Karnataka | . | . | .. | 1 | 1 |
| 3 Kerala | . | . | .. | 1 | 1 |
| 4 Tamil Nadu | . | . | .. | 2 | 2 |
| Total Southern Region | . | . | .. | 13 | 13 |
| (D) EASTERN REGION | | | | | |
| 1 Bihar | . | . | .. | 1 | 1 |
| 2 Orissa | . | . | .. | 1 | 1 |
| 3 West Bengal | . | . | 4 | 1 | 5 |
| Total Eastern Region | . | . | 4 | 3 | 7 |
| (E) NORTH EASTERN REGION | | | | | |
| . | . | .. | .. | .. | .. |
| TOTAL (ALL INDIA) | . | .. | 7 | 35 | 42 |

TABLE NO. 4
Distribution of Municipal Undertakings

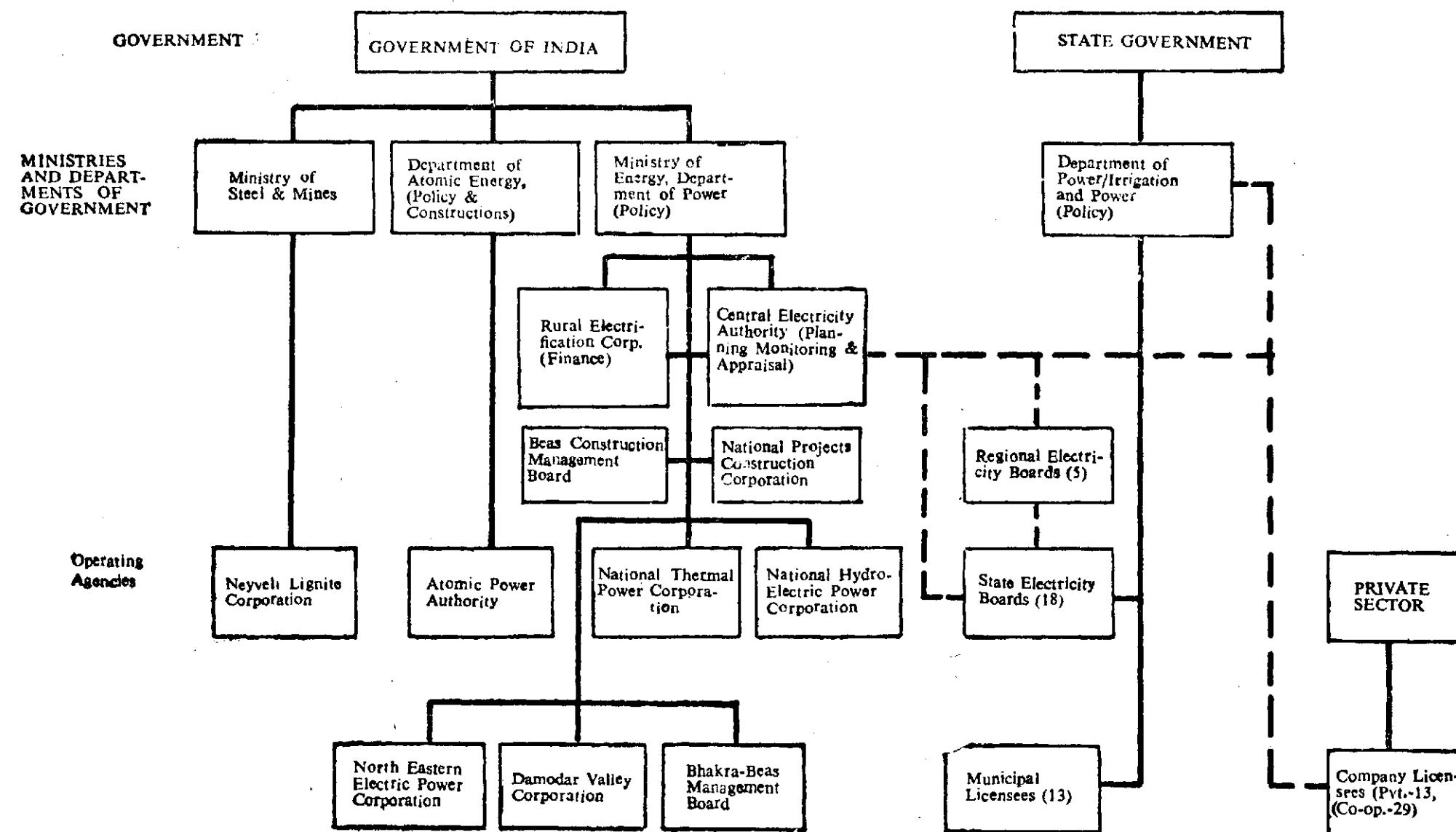
| Sl. No. | Region/State | Number of Municipalities | | | TOTAL |
|---------------------------------|--------------|------------------------------|--|------------------------------|--------------|
| | | Generating & Distributing | Generating Dis- tributing and Purchasing | Purchasing & Distributing | |
| (A) NORTHERN REGION | | | | | |
| 1 Punjab | . | . | .. | 1 | 1 |
| 2 Delhi | . | . | 1 | 1 | 2 |
| Total Northern Region | . | .. | 1 | 2 | 3 |
| (B) WESTERN REGION | | | | | |
| 1 Gujarat | . | .. | .. | 2 | 2 |
| 2 Maharashtra | . | .. | .. | 2 | 2 |
| Total Western Region | . | .. | .. | 4 | 4 |
| (C) SOUTHERN REGION | | | | | |
| 1 Kerala | . | .. | .. | 1 | 1 |
| 2 Tamil Nadu | . | .. | .. | 5 | 5 |
| Total Southern Region | . | .. | .. | 6 | 6 |
| (D) EASTERN REGION | | | | | |
| (E) NORTH EASTERN REGION | | | | | |
| TOTAL (ALL INDIA) | . | .. | 1 | 12 | 13 |

TABLE NO. 5
Acquisition of Electricity Supply Undertaking during 1983-84

| Sl. No. | Name of the Undertaking | Prior Ownership | Date of Acquisition | By whom acquired |
|------------|--|-----------------|------------------------|---------------------------------|
| 1 | Raver Municipal Council, Raver, Distt. Jalgaon | Municipality | 1-2-1984 | Maharashtra State Elecy. Board. |

TABLE NO. 6
New Electricity Supply Undertaking started operating during the year 1983-84

| Sl. No. | Name and Address of new undertaking | State | Date of issue of license |
|------------|--|----------------|-----------------------------|
| 1 | The Kadiri East Rural Electric Co-op. Society Ltd., Kadiri, Anantapur Distt. | Andhra Pradesh | 9-3-1984 |
| 2 | The Kadiri West Rural Electric Co-op. Society Ltd., Kadiri, Anantapur Distt. | Do. | 9-3-1984 |
| 3 | The Atmakur Rural Electric Co-op. Society Ltd., Atmakur, Nellore Distt. | Do. | Not available |
| 4 | The Thirumayam Rural Electric Co-op. Society Ltd., Thirumayam. | Tamil Nadu | 30-4-1983 |



SECTION II

Generating Capacity (Utilities)

INSTALLED GENERATING CAPACITY

During the year under review installed generating capacity under Public Utilities in the country increased to 39338.86 MW as on 31-3-1984 as compared to 35363.27 MW as on 31st March 1983, registering an increase of 11.24% over the previous year.

After taking into account a few retirements of old generating sets during the year, the net addition in generating capacity amounted to 3975.59.

Generating capacity of steam stations continued to form the largest portion of the installed generating capacity followed by Hydro, Nuclear, Gas and Diesel generating stations. The relative percentages of generating capacity of steam, hydro, nuclear, gas and diesel generating station were 60.12%, 35.23%, 2.78%, 1.42% and 0.45% respectively.

There were 98 steam stations and 176 hydro stations having 320 and 554 nos. of generating sets with total capacity of 23647.83 MW and 13855.56 MW respectively as on 31st March, 1984.

Besides power stations of public utilities, generating capacity of captive plants of various industries registered an increase of 12.93% during the year 1983-84. Generating capacity of captive plants increased from 3806.09 MW to 4298.17 MW which comprise of hydro 2.60 MW, steam 2633.02 MW, gas turbine 60.05 and 1602.50 MW of diesel generating sets.

In addition to the above, captive plants of 68.53 MW generating capacity were owned by Railways. The total installed generating capacity in the country including those of captive plants of selected industries and Railways was 43705.56 MW as on 31st March, 1984.

The various tables in this section give the detailed salient features of the installed generating capacity in the country as on 31st March, 1984.

TABLE NO. 7
All India Installed Generating Capacity
(Utilities and Non-Utilities)
Primeremoverwise as on 31st March, 1984

| Category | Year | Total | Hydro | Steam |
|---|-----------|-----------|-----------|-----------|
| Utilities | 31-3-83 | 35,363.27 | 13,055.86 | 20,12.18 |
| | 31-3-84 | 39,338.86 | 13,855.56 | 23,647.83 |
| | %increase | 11.24 | 6.12 | 14.17 |
| Non-Utilities | 31-3-83 | 3,806.09 | 2.60 | 2,442.38 |
| | 31-3-84 | 4,298.17 | 2.60 | 2,633.02 |
| | %increase | 12.93 | .. | 7.81 |
| Railways (II) | 31-3-83 | 65.57 | .. | 18.96 |
| | 31-3-84 | 68.53 | .. | 18.96 |
| | %increase | 4.51 | .. | .. |
| Total Non-Utilities (I+II) | 31-3-83 | 3,871.66 | 2.60 | 2,461.34 |
| | 31-3-84 | 4,366.70 | 2.60 | 2,651.98 |
| | %increase | 12.79 | .. | 7.74 |
| ALL INDIA CAPACITY (Utilities+Non-Utilities) | 31-3-83 | 39,234.93 | 13,058.46 | 23,173.52 |
| | 31-3-84 | 43,705.56 | 13,858.16 | 26,299.81 |
| | %increase | 11.39 | 6.12 | 13.49 |

TABLE NO. 7—(Contd.)

| Category | Year | Diesel | Gas | Nuclear |
|--|-----------|----------|--------|----------|
| Utilities | 31-3-83 | 176.23 | 559.00 | 860.00 |
| | 31-3-84 | 178.97 | 561.50 | 1,095.00 |
| | %increase | 1.55 | 0.45 | 27.33 |
| Selected Industries (I) | 31-3-83 | 1,306.84 | 54.27 | .. |
| | 31-3-84 | 1,602.49 | 60.05 | .. |
| | %increase | 22.62 | 10.65 | .. |
| Railways (II) | 31-3-83 | 46.61 | .. | .. |
| | 31-3-84 | 49.57 | .. | .. |
| | %increase | 6.35 | .. | .. |
| Total Non-Utilities (I+II) | 31-3-83 | 1,353.45 | 54.27 | .. |
| | 31-3-84 | 1,652.06 | 60.05 | .. |
| | %increase | 22.06 | 10.65 | .. |
| ALL INDIA CAPACITY (Utility+ Non-Utility) | 31-3-83 | 1,529.68 | 613.27 | 860.00 |
| | 31-3-84 | 1,831.03 | 621.55 | 1,095.00 |
| | %increase | 19.70 | 1.35 | 27.33 |

11

TABLE NO. 8
All India Installed Generating Capacity (Utilities only)
Ownership-wise and Primemover-wise as on 31-3-1984

| Sl. No. | Type of Primemover and ownership | Installed Plant capacity (M.W.) | % to total India All | % Increase in installed capa- city over the previous year |
|---|----------------------------------|------------------------------------|----------------------------|--|
| 1 | 2 | 3 | 4 | 5 |
| I. HYDRO | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | 11,112.24 | 28.25 | (—) 2.00 | |
| (b) Electricity Deptts /Govt. Undertakings/Corporations/Central Govt. Sector | 2,458.32 | 6.25 | 71.72 | |
| (c) Municipalities | .. | .. | .. | |
| (Sub-total a+b+c) | 13,570.56 | 34.50 | 6.26 | |
| (d) Private Sector | | | | |
| Companies | 285.00 | 0.73 | .. | |
| Total (Hydro) (a+b+c+d) | 13,855.56 | 35.23 | 6.12 | |
| II. STEAM | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | 16,543.00 | 42.05 | 8.35 | |
| (b) Electricity Deptts./Govt. Undertakings/Corporations/Central Government Sector | 5,110.15 | 12.99 | 25.55 | |
| (c) Municipalities | 255.80 | 0.65 | .. | |
| Sub-Total | 21,908.95 | 55.69 | 11.82 | |
| (d) Private Sector | | | | |
| Companies | 1,738.88 | 4.43 | 55.41 | |
| Total (Steam) | 23,647.83 | 60.12 | 14.17 | |
| III. DIESEL | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | 101.78 | 0.25 | 1.19 | |
| (b) Electricity Deptts /Govt. Undertakings/Corpsns./Central Govt. Sector | 56.85 | 0.15 | 2.78 | |
| (c) Municipalities | 20.00 | 0.05 | .. | |
| Sub-Total | 178.63 | 0.45 | 1.55 | |
| Private Sector | | | | |
| Companies | 0.34 | Neg. | .. | |
| Total (Diesel) | 178.97 | 0.45 | 1.55 | |

TABLE NO. 8 (Contd.)

| I | 2 | 3 | 4 | 5 |
|---|------------------|---------------|--------------|---|
| IV. GAS TURBINE | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | 561·50 | 1·42 | 0·45 | |
| (b) Electricity Depts./Govt. Undertakings/Corporations/Central Sector | .. | .. | .. | |
| (c) Municipalities | .. | .. | .. | |
| Sub-Total | 561·50 | 1·42 | 0·45 | |
| (d) Private Sector | | | | |
| Companies | .. | .. | .. | |
| Total (Gas) | 561·50 | 1·42 | 0·45 | |
| V. NUCLEAR | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | .. | .. | .. | |
| (b) Electricity Depts./Govt. Undertakings/Corporations/Central Govt. Sector | 1,095·00 | 2·78 | 27·33 | |
| (c) Municipalities | .. | .. | .. | |
| Sub-Total | 1,095·00 | 2·78 | 27·33 | |
| Private Sector | | | | |
| Companies | .. | .. | .. | |
| Total (Nuclear) | 1,095·00 | 2·78 | 27·33 | |
| VI. GRAND TOTAL (I + II + III + IV + V) | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | 28,318·52 | 71·97 | 3·86 | |
| (b) Electricity Depts./Govt. Undertakings/Corporations/Central Govt. Sector (23 nos.) | 8,720·32 | 22·17 | 35·89 | |
| (c) Municipalities (13 nos.) | 275·80 | 0·70 | .. | |
| Sub-Total (54 nos.) | 37,314·64 | 94·84 | 9·88 | |
| Private Sector | | | | |
| Companies (42 nos.) | 2,024·22 | 5·16 | 44·15 | |
| TOTAL ALL INDIA (96 nos.) | 39,338·86 | 100·00 | 11·24 | |

Note :—Figures within brackets show number of undertakings.

TABLE NO. 9

All India Total Installed Generating Capacity (Utilities only) Regionwise/Statewise as on 31st March, 1984

| Region | State/U.Ts. | Total | | |
|------------------------------------|-----------------------------|-----------|-----------|------------|
| | | 31-3-84 | 31-3-83 | % Increase |
| NORTHERN REGION | Haryana | 1,266.45 | 1,213.65 | 4.35 |
| | Himachal Pradesh | 128.02 | 128.02 | .. |
| | Jammu & Kashmir | 206.18 | 206.18 | .. |
| | Punjab | 1,828.10 | 1,703.90 | 7.29 |
| | Rajasthan | 1,167.46 | 1,023.26 | 14.09 |
| | Uttar Pradesh | 3,915.77 | 3,751.87 | 4.37 |
| | Chandigarh | 2.00 | 2.00 | .. |
| | Delhi | 275.80 | 275.80 | .. |
| | Central Sector | 2,390.00 | 1,970.00 | 21.32 |
| Sub-Total | | 11,179.78 | 10,274.68 | 8.81 |
| WESTERN REGION | Gujarat | 2,786.20 | 2,576.20 | 8.15 |
| | Madhya Pradesh | 2,470.50 | 1,840.50 | 34.23 |
| | Maharashtra | 5,572.30 | 4,862.30 | 14.60 |
| | D. & N. Haveli | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | 1,146.00 | 726.00 | 57.85 |
| Sub-Total | | 11,975.00 | 10,005.00 | 19.69 |
| SOUTHERN REGION | Andhra Pradesh | 2,830.43 | 2,677.93 | 5.69 |
| | Karnataka | 2,009.80 | 1,874.80 | 7.20 |
| | Kerala | 1,011.50 | 1,011.50 | .. |
| | Tamil Nadu | 2,509.00 | 2,539.00 | (-) 1.19 |
| | Lakshadweep | 2.08 | 2.08 | .. |
| | Pondicherry | .. | .. | .. |
| | Central Sector | 1,035.00 | 600.00 | 72.50 |
| Sub-Total | | 9,397.81 | 8,705.31 | 7.95 |
| EASTERN REGION | Bihar | 1,160.48 | 1,050.48 | 10.47 |
| | Orissa | 1,134.67 | 1,142.92 | (-) 0.73 |
| | West Bengal | 2,123.98 | 1,995.98 | 6.41 |
| | D.V.C. | 1,631.50 | 1,621.50 | .. |
| | A. & N. Islands | 9.25 | 8.88 | 4.17 |
| | Sikkim | 17.00 | 17.11 | (-) 0.64 |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 6,076.88 | 5,846.87 | 3.93 |
| NORTH EASTERN REGION | Assam | 349.19 | 334.19 | 4.49 |
| | Manipur | 22.79 | 22.79 | .. |
| | Meghalaya | 133.66 | 133.66 | .. |
| | Nagaland | 5.12 | 5.12 | .. |
| | Tripura | 21.34 | 16.86 | 26.57 |
| | Arunachal Pradesh | 15.72 | 12.42 | 26.57 |
| | Mizoram | 6.57 | 6.37 | 3.14 |
| | Central Sector | 155.00 | .. | .. |
| Sub-Total | | 709.39 | 531.41 | 33.49 |
| TOTAL (ALL INDIA) | | 39,338.86 | 35,363.27 | 11.24 |

Note :—Installed capacity of jointly owned projects have been shown divided between partner states as per their theoretical shares.

TABLE NO. 10
Installed Generating Capacity (Utilities only)
Ownershipwise-Regionwise/Statewise as on 31-3-1984

(In M.W.)

| Region | State/U.Ts. | PUBLIC SECTOR | | |
|----------------------|-------------------|--------------------------|----------|------------|
| | | State Electricity Boards | | % Increase |
| | | 31-3-84 | 31-3-83 | |
| NORTHERN REGION | Haryana | 1,266.45 | 1,213.65 | 4.35 |
| | Himachal Pradesh | 128.02 | 128.02 | .. |
| | Jammu & Kashmir | 206.18 | 206.18 | .. |
| | Punjab | 1,828.10 | 1,703.90 | 7.29 |
| | Rajasthan | 1,167.46 | 1,023.26 | 14.09 |
| | Uttar Pradesh | 3,915.77 | 3,751.87 | 4.37 |
| | Chandigarh | .. | .. | .. |
| | Delhi | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 8,511.98 | 8,026.88 | 6.04 |
| WESTERN REGION | Gujarat | 2,496.00 | 2,286.00 | 9.19 |
| | Madhya Pradesh | 2,470.50 | 1,840.50 | 34.23 |
| | Maharashtra | 4,449.80 | 4,239.80 | 4.95 |
| | D. & N. Haveli | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 9,416.30 | 8,366.30 | 12.55 |
| SOUTHERN REGION | Andhra Pradesh | 2,692.50 | 2,540.00 | 6.00 |
| | Karnataka | 206.20 | 936.20 | .. |
| | Kerala | 1,011.50 | 1,011.50 | .. |
| | Tamil Nadu | 2,509.00 | 2,539.00 | (-)1.19 |
| | Lakshadweep | .. | .. | .. |
| | Pondicherry | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 6,419.20 | 7,026.70 | (-)8.65 |
| EASTERN REGION | Bihar | 1,160.48 | 1,050.48 | 10.47 |
| | Orissa | 1,100.25 | 1,108.50 | (-)0.75 |
| | West Bengal | 1,227.46 | 1,219.46 | 0.66 |
| | D.V.C. | .. | .. | .. |
| | A. & N. Islands | .. | .. | .. |
| | Sikkim | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 3,488.19 | 3,378.44 | 3.25 |
| NORTH EASTERN REGION | Assam | 349.19 | 334.19 | 4.49 |
| | Manipur | .. | .. | .. |
| | Meghalaya | 133.66 | 133.66 | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 482.85 | 467.85 | 3.21 |
| TOTAL (ALL INDIA) | | 28,318.52 | 27,66.17 | 3.86 |

Note :--\$ The installed capacity is less as compared to previous year due to exclusion of power projects which are under Karnataka Power Corporation i.e. a Govt. Deptt. Their Capacity has been included in the respective table.

TABLE NO. 10(Contd.)

| State/U.Ts. | PUBLIC SECTOR | | |
|-------------------|---------------------------------------|----------|------------|
| | Electricity Deptt./Govt. Undertakings | | % Increase |
| | 31-3-84 | 31-3-83 | |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | 2.00 | 2.00 | .. |
| Delhi | .. | .. | .. |
| Central Sector | 2,390.00 | 1,970.00 | 21.32 |
| Sub-Total | 2,392.00 | 1,972.00 | 21.30 |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| D & N. Havell | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | 1,146.00 | 726.00 | 57.85 |
| Sub-Total | 1,146.00 | 726.00 | 57.85 |
| Andhra Pradesh | 137.93 | 137.93 | .. |
| Karnataka | 1,803.60 | 938.60 | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | 2.08 | 2.08 | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | 1,035.00 | 600.00 | 72.50 |
| Sub-Total | 2,978.61 | 1,678.61 | 77.44 |
| Bihar | .. | .. | .. |
| Orissa | 34.42 | 34.42 | .. |
| West Bengal | 285.00 | 285.00 | .. |
| D.V.C. | 1,631.50 | 1,631.50 | .. |
| S. & N. Islands | 9.25 | 8.88 | 4.17 |
| Sikkim | 17.00 | 17.11 | (-)0.64 |
| Central Sector | .. | .. | .. |
| Sub-Total | 1,977.17 | 1,976.91 | 0.01 |
| Assam | .. | .. | .. |
| Manipur | 22.79 | 22.79 | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | 5.12 | 5.12 | .. |
| Tripura | 21.34 | 16.86 | 26.57 |
| Arunachal Pradesh | 15.72 | 12.42 | 26.57 |
| Mizoram | 6.57 | 6.37 | 3.14 |
| Central Sector | 155.00 | .. | .. |
| Sub-Total | 226.54 | 63.56 | 240.35 |
| TOTAL (ALL INDIA) | 8,720.32 | 6,417.08 | 35.89 |

TABLE NO. 10 (Contd)

| State/U.Ts. | PUBLIC SECTOR | | |
|-------------------|----------------|---------|------------|
| | Municipalities | | % Increase |
| | 31-3-84 | 31-3-83 | |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | 275.80 | 275.80 | .. |
| Central Sector | .. | .. | .. |
| | Sub-Total | 275.80 | 275.80 |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| D. & N. Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| | Sub-Total | .. | .. |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | .. | .. |
| | Sub-Total | .. | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | .. | .. | .. |
| D.V.C. | .. | .. | .. |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| | Sub-Total | .. | .. |
| Assam | .. | .. | .. |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Central Sector | .. | .. | .. |
| | Sub-Total | .. | .. |
| TOTAL(ALL INDIA) | 275.80 | 275.80 | .. |

TABLE NO. 10 (Concl'd.)

| State/U.Ts. | PRIVATE SECTOR | | |
|-----------------------------|----------------|-----------------|-----------------|
| | 31-3-84 | 31-3-83 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | | |
| Gujarat | 290.20 | 290.20 | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | 1,122.50 | 622.50 | 80.32 |
| D. & N. Havelli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | | |
| Andhra Pradesh | 14,12.70 | 912.70 | 54.78 |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | | |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | 611.52 | 491.52 | 24.41 |
| D.V.C. | .. | .. | .. |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | | |
| Assam | 611.52 | 491.52 | 24.41 |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | | |
| TOTAL (ALL INDIA) | | 2,024.22 | 1,404.22 |
| | | | 44.15 |

TABLE NO. 11
Installed Generating Capacity (Utilities only) Primemoverwise
Regionwise/Statewise as on 31st March, 1984 (in M.W.)

| Region | State/U.Ts. | HYDRO | | |
|--------------------------|-------------------|------------------|------------------|---------------|
| | | 31-3-84 | 31-3-83 | % increase |
| NORTHERN REGION | Haryana | 785.03 | 732.23 | 7.21 |
| | Himachal Pradesh | 126.52 | 126.52 | .. |
| | Jammu & Kashmir | 176.92 | 176.92 | .. |
| | Punjab | 1,377.54 | 1,253.34 | 9.91 |
| | Rajasthan | 784.93 | 751.93 | 4.39 |
| | Uttar Pradesh | 1,340.08 | 1,220.08 | 9.83 |
| | Chandigarh | .. | .. | .. |
| | Delhi | .. | .. | .. |
| | Central Sector | 180.00 | 180.00 | .. |
| Sub-Total | | 4,771.02 | 4,441.02 | 7.43 |
| WESTERN REGION | Gujarat | 300.00 | 300.00 | .. |
| | Madhya Pradesh | 193.00 | 193.00 | .. |
| | Maharashtra | 1,317.30 | 1,317.30 | .. |
| | D. & N. Haveli | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 1,810.30 | 1,810.30 | .. |
| SOUTHERN REGION | Andhra Pradesh | 1,592.93 | 1,427.93 | 11.56 |
| | Karnataka | 2,009.80 | 1,874.80 | 7.20 |
| | Kerala | 1,011.50 | 1,011.50 | .. |
| | Tamil Nadu | 1,369.00 | 1,369.00 | .. |
| | Lakshadweep | .. | .. | .. |
| | Pondicherry | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 5,983.23 | 5,683.23 | 5.28 |
| EASTERN REGION | Bihar | 150.00 | 150.00 | .. |
| | Orissa | 664.42 | 664.42 | .. |
| | West Bengal | 46.51 | 38.51 | 20.77 |
| | D.V.C. | 104.00 | 104.00 | .. |
| | A. & N. Island | .. | .. | .. |
| | Sikkim | 15.30 | 15.05 | 1.66 |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 980.23 | 971.98 | 0.85 |
| NORTH EASTERN REGION | Assam | 1.00 | 1.00 | .. |
| | Manipur | 0.90 | 0.90 | .. |
| | Meghalaya | 126.71 | 126.71 | .. |
| | Nagaland | 1.50 | 1.50 | .. |
| | Tripura | 15.00 | 10.00 | 50.00 |
| | Arunachal Pradesh | 10.67 | 9.22 | 15.73 |
| | Mizoram | 155.00 | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 310.78 | 149.33 | 108.12 |
| TOTAL (ALL INDIA) | | 13,855.56 | 13,055.86 | 6.12 |

TABLE NO. 11(Contd.)

| State/U.Ts. | STEAM | | |
|-----------------------------|----------|------------------|------------------|
| | 31-3-64 | 31-3-83 | %increase |
| Haryana | 477.50 | 477.50 | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | 22.50 | 22.50 | .. |
| Punjab | 440.00 | 440.00 | .. |
| Rajasthan | 373.00 | 263.00 | 41.83 |
| Uttar Pradesh | 2,569.50 | 2,513.10 | 2.24 |
| Chandigarh | .. | .. | .. |
| Delhi | 255.80 | 255.80 | .. |
| Central Sector | 1,770.00 | 1,350.00 | 31.11 |
| Sub-Total | | 5,908.30 | 5,321.90 |
| | | | 11.02 |
| Gujarat | 2,429.50 | 2,219.50 | 9.46 |
| Madhya Pradesh | 2,277.50 | 1,647.50 | 38.24 |
| Maharashtra | 4,015.00 | 3,305.00 | 21.48 |
| D. & N. Haveli | .. | .. | .. |
| Goa & Daman Diu | .. | .. | .. |
| Central Sector | 726.00 | 306.00 | 137.25 |
| Sub-Total | | 9,448.00 | 7,478.00 |
| | | | 26.34 |
| Andhra Pradesh | 1,217.50 | 1,230.00 | (-)1.02 |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | 1,140.00 | 1,170.00 | (-)2.57 |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | 800.00 | 00.00 | 33.33 |
| Sub-Total | | 3,157.50 | 3,000.00 |
| | | | 5.25 |
| Bihar | 998.50 | 888.50 | 12.38 |
| Orissa | 470.00 | 478.25 | (-)1.73 |
| West Bengal | 1,951.38 | 1,831.38 | 6.55 |
| D.V.C. | 1,527.50 | 1,527.50 | .. |
| A. & N. Islands | 1.65 | 1.65 | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | 4,949.03 | 4,727.28 |
| | | | 4.69 |
| Assam | 180.00 | 180.00 | .. |
| Manipur | .. | .. | .. |
| Meghalaya | 5.00 | 5.00 | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | | 185.00 | 185.00 |
| | | | .. |
| TOTAL(ALL INDIA) | | 23,647.83 | 20,712.18 |
| | | | 14.17 |

TABLE NO 11(Contd.)

TABLE NO 11(Contd.)

| State/U.Ts. | GAS | | |
|-------------------------|---------------|---------------|-------------|
| | 31-3-84 | 31-3-83 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | 12.50 | .. |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | 12.50 | .. |
| Gujarat | 54.00 | 54.00 | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | 240.00 | 240.00 | .. |
| Dadra & Nagar Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 294.00 | 294.00 | .. |
| Andhra Pradesh | 20.00 | 20.00 | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 20.00 | 20.00 | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | 100.00 | 100.00 | .. |
| D.V.C. | .. | .. | .. |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 100.00 | 100.00 | .. |
| Assam | 147.50 | 132.50 | 11.32 |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 147.50 | 132.50 | 11.32 |
| TOTAL(ALL INDIA) | 561.50 | 559.00 | 0.45 |

TABLE NO. 11(Concl'd.)

| State/U.Ts. | NUCLEAR | | |
|------------------------------------|-----------------|---------------|--------------|
| | 31-3-84 | 31-3-83 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Central Sector | 440.00 | 440.00 | .. |
| Sub-Total | 440.00 | 440.00 | .. |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| Dadra & Nagar Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | 420.00 | 420.00 | .. |
| Sub-Total | 420.00 | 420.00 | .. |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | 235.00 | .. | .. |
| Sub-Total | 235.00 | .. | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | .. | .. | .. |
| D.V.C. | .. | .. | .. |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Assam | .. | .. | .. |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| TOTAL (ALL INDIA) | 1,095.00 | 860.00 | 27.33 |

TABLE NO. 12
Installed Generating Capacity of State Electricity Boards Primemoverwise as on 31st March 1948

| Region | State/U.Ts. | HYDRO | | |
|-----------------------------------|----------------------------|------------------|------------------|-----------------|
| | | 31-3-84 | 31-3-83 | %increase |
| NORTHERN REGION | Haryana | 785.03 | 732.23 | 7.21 |
| | Himachal Pradesh | 126.52 | 126.52 | .. |
| | Jammu & Kashmir | 176.92 | 176.92 | .. |
| | Punjab | 1,377.54 | 1,253.34 | 9.91 |
| | Rajasthan | 784.93 | 751.93 | 4.39 |
| | Uttar Pradesh | 1,340.08 | 1,220.08 | 9.84 |
| Sub-Total | | 4,591.02 | 4,261.02 | 7.74 |
| WESTERN REGION | Gujarat | 300.00 | 300.00 | .. |
| | Madhya Pradesh | 193.00 | 193.00 | .. |
| | Maharashtra | 1,032.30 | 1,032.30 | .. |
| | Sub-Total | 1,525.30 | 1,525.30 | .. |
| SOUTHERN REGION | Andhra Pradesh | 1,455.00 | 1,290.00 | 12.79 |
| | Karnataka | 206.20 | 936.20 | .. |
| | Kerala | 1,011.50 | 1,011.50 | .. |
| | Tamilnadu | 1,369.00 | 1,369.00 | .. |
| | Sub-Total | 4,041.70 | 4,606.70 | (-)12.27 |
| EASTERN REGION | Bihar | 150.00 | 150.00 | .. |
| | Orissa | 630.00 | 630.00 | .. |
| | West Bengal | 46.51 | 38.51 | 20.77 |
| | Sub-Total | 826.51 | 818.51 | 0.98 |
| NORTH EASTERN REGION | Assam | 1.00 | 1.00 | .. |
| | Meghalaya | 126.71 | 126.71 | .. |
| | Sub-Total | 127.71 | 127.71 | .. |
| TOTAL(ALL INDIA) | | 11,112.24 | 11,339.24 | (-)2.00 |

Note : :-The installed capacity is less as compared to previous year due to exclusion of power projects which are under Karnataka Power Corporation which has been a Govt. Deptt. Their capacity has been indicated in the respective table.

TABLE NO. 12 (Contd.)

| State/UTs. | STEAM | | |
|--------------------|-----------|-----------|-----------|
| | 31-3-84 | 31-3-83 | %increase |
| Haryana | 477.50 | 477.50 | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | 22.50 | 22.50 | .. |
| Punjab | 440.00 | 440.00 | .. |
| Rajasthan | 373.00 | 263.00 | 41.83 |
| Uttar Pradesh | 2,569.50 | 2,513.10 | 2.24 |
| Sub-Total | 3,882.50 | 3,716.10 | 4.48 |
| Gujarat | 2,139.50 | 1,929.50 | 10.88 |
| Madhya Pradesh | 2,277.50 | 1,647.50 | 38.24 |
| Maharashtra | 3,177.50 | 2,967.50 | 7.08 |
| Sub-Total | 7,594.50 | 6,544.50 | 16.04 |
| Andhra Pradesh | 1,217.50 | 1,230.00 | (-)1.02 |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | 1,140.00 | 1,170.00 | (-)2.57 |
| Sub-Total | 2,357.50 | 2,400.00 | (-)1.87 |
| Bihar | 998.50 | 888.50 | 12.38 |
| Orissa | 470.00 | 478.25 | (-)1.73 |
| West Bengal | 1,055.00 | 1,055.00 | .. |
| Sub-Total | 2,523.50 | 2,421.75 | 4.20 |
| Assam | 180.00 | 180.00 | .. |
| Meghalaya | 5.00 | 5.00 | .. |
| Sub-Total | 185.00 | 185.00 | .. |
| TOTAL (ALL BOARDS) | 16,543.00 | 15,267.35 | 8.36 |

25

TABLE NO. 12(Contd.)

| State/U.Ts. | DIESEL | | |
|-------------------------------------|---------------|---------------|-------------|
| | 31-3-84 | 31-3-83 | % increase |
| Haryana | 3.92 | 3.92 | .. |
| Himachal Pradesh | 1.50 | 1.50 | .. |
| Jammu & Kashmir | 6.76 | 6.76 | .. |
| Punjab | 10.56 | 10.56 | .. |
| Rajasthan | 9.53 | 8.33 | 14.41 |
| Uttar Pradesh | 6.19 | 6.19 | .. |
| Sub-Total | 38.46 | 37.26 | 3.22 |
| Gujarat | 2.50 | 2.50 | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| Sub-Total | 2.50 | 2.50 | .. |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil nadu | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Bihar | 11.98 | 11.98 | .. |
| Orissa | 0.25 | 0.25 | .. |
| West Bengal | 25.95 | 25.95 | .. |
| Sub-Total | 38.18 | 38.18 | .. |
| Assam | 20.69 | 20.69 | .. |
| Meghalaya | 1.95 | 1.95 | .. |
| Sub-Total | 22.64 | 22.64 | .. |
| TOTAL (ALL BOARDS) | 101.78 | 100.58 | 1.19 |

TABLE No. 12—(Contd.)

| State/U. Ts. | GAS | | |
|-------------------------------------|---------------|---------------|-------------|
| | 31-3-84 | 31-3-83 | % increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | 12.50 | .. |
| Sub-Total | .. | 12.50 | .. |
| Gujarat | 54.00 | 54.00 | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | 240.00 | 240.00 | .. |
| Sub-Total | 294.00 | 294.00 | .. |
| Andhra Pradesh | 20.00 | 20.00 | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | .. | .. | .. |
| Sub-Total | 20.00 | 20.00 | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | 100.00 | 100.00 | .. |
| Sub-Total | 100.00 | 100.00 | .. |
| Assam | 147.50 | 132.50 | 11.32 |
| Meghalaya | .. | .. | .. |
| Sub-Total | 147.50 | 132.50 | 11.32 |
| TOTAL (ALL BOARDS) | 561.50 | 559.00 | 0.45 |

TABLE No. 12—(Contd.)

| State/U. T.s. | TOTAL | | |
|--------------------|-----------|-----------|------------|
| | 31-3-84 | 31-3-83 | % increase |
| Haryana | 1,266.45 | 1,213.65 | 4.35 |
| Himachal Pradesh | 128.02 | 128.02 | .. |
| Jammu & Kashmir | 206.18 | 206.18 | .. |
| Punjab | 1,828.10 | 1,703.90 | 7.29 |
| Rajasthan | 1,167.46 | 1,023.26 | 14.09 |
| Uttar Pradesh | 3,915.77 | 3,751.87 | 4.37 |
| Sub-Total | 8,511.98 | 8,026.88 | 6.04 |
| Gujarat | 2,496.00 | 2,286.00 | 9.19 |
| Madhya Pradesh | 2,470.50 | 1,840.50 | 34.23 |
| Maharashtra | 4,449.80 | 4,239.80 | 4.95 |
| Sub-Total | 9,416.30 | 8,366.30 | 12.55 |
| Andhra Pradesh | 2,692.50 | 2,540.00 | 6.00 |
| Karnataka | 206.20 | 936.20 | .. |
| Kerala | 1,011.50 | 1,011.50 | .. |
| Tamilnadu | 2,509.00 | 2,539.00 | (-)-1.19 |
| Sub-Total | 6,419.20 | 7,026.70 | (-)-8.65 |
| Bihar | 1,160.48 | 1,050.48 | 10.47 |
| Orissa | 1,100.05 | 1,108.50 | (-)-0.75 |
| West Bengal | 1,227.46 | 1,219.46 | 0.66 |
| Sub-Total | 3,488.19 | 3,378.44 | 3.25 |
| Assam | 349.19 | 334.19 | 4.49 |
| Meghalaya | 133.66 | 133.66 | .. |
| Sub-Total | 482.85 | 467.85 | 3.21 |
| TOTAL (ALL BOARDS) | 28,318.52 | 27,266.17 | 3.86 |

Note.—There is no nuclear power stations under any State Electricity Board.

TABLE No. 13

Installed Generating Capacity of Electricity Department/Govt. Undertaking, Municipalities & Private Sector

Primemoverwise—Regionwise as on 31-3-1984

| | OWNERSHIP | TOTAL | | |
|---|------------------------------|-----------------|-----------------|--------------|
| | | 31-3-84 | 31-3-84 | % Increase |
| I. Electricity Department/Govt. Undertaking/Corporation/Central Sector | | | | |
| NORTHERN REGION . . | Chandigarh | 2·00 | 2·00 | .. |
| | Central Sector | 2,390·00 | 1,970·00 | 21·32 |
| WESTERN REGION . . | Central Sector | 1,146·00 | 726·00 | 57·85 |
| SOUTHERN REGION . . | Andhra Pradesh | 137·93 | 137·93 | .. |
| | Karnataka | 1,803·60 | 938·60 | .. |
| | Lakshadweep | 2·08 | 2·08 | .. |
| | Central Sector | 1,035·00 | 600·00 | 72·50 |
| EASTERN REGION . . | Orissa | 34·42 | 34·42 | .. |
| | West Bengal | 285·00 | 285·00 | .. |
| | Sikkim | 17·00 | 17·11 | (--)0·64 |
| | D.V.C. | 1,631·50 | 1,631·50 | .. |
| | A. & N. Islands | 9·25 | 8·88 | 4·17 |
| NORTH EASTERN REGION | Manipur | 22·79 | 22·79 | .. |
| | Nagaland | 5·12 | 5·12 | .. |
| | Tripura | 21·34 | 16·86 | 26·57 |
| | Arunachal Pradesh | 15·72 | 12·42 | 26·57 |
| | Mizoram | 6·57 | 6·37 | 3·14 |
| | Central Sector | 155·00 | .. | .. |
| | Total (I) | 8,720·32 | 6,417·08 | 35·89 |
| II. Municipalities | | | | |
| NORTHERN REGION . . | Delhi | 275·80 | 275·80 | .. |
| WESTERN REGION . . | Gujarat | .. | .. | .. |
| EASTERN REGION . . | West Bengal | .. | .. | .. |
| | Total (II) | 275·80 | 275·80 | .. |
| III. Private Licensees | | | | |
| WESTERN REGION . . | Gujarat | 290·20 | 290·20 | .. |
| | Maharashtra | 1,122·50 | 622·50 | 80·32 |
| EASTERN REGION . . | West Bengal | 611·52 | 491·52 | 24·41 |
| | TOTAL (III) | 2,024·22 | 1,404·22 | 44·15 |

TABLE No. 13—(Contd.)

| OWNERSHIP | HYDRO | | |
|---|------------------------------|-----------------|-----------------|
| | 31-3-84 | 31-3-83 | % Increase |
| I. Electricity Department/Govt. Undertaking/Corpn./Central Sector. | | | |
| NORTHERN REGION . . | Chandigarh | .. | .. |
| | Central Sector | 180.00 | 180.00 |
| WESTERN REGION . . | Central Sector | .. | .. |
| SOUTHERN REGION . . | Andhra Pradesh | 137.93 | 137.93 |
| | Karnataka | 1,803.60 | 938.60 |
| | Lakshadweep | .. | .. |
| | Central Sector | .. | .. |
| EASTERN REGION . . | Orissa | 34.42 | 34.42 |
| | West Bengal | .. | .. |
| | Sikkim | 15.30 | 15.05 |
| | A. & N. Islands | .. | .. |
| | D.V.C. | 104.00 | 104.00 |
| NORTH EASTERN REGION . . | Manipur | 0.90 | 0.90 |
| | Nagaland | 1.50 | 1.50 |
| | Tripura | 15.00 | 10.00 |
| | Arunachal Pradesh | 10.67 | 9.22 |
| | Mizoram | .. | .. |
| | Central Sector | 155.00 | .. |
| | Sub-Total | 2,458.32 | 1,431.62 |
| | | | 71.72 |
| II. Municipalities | | | |
| NORTHERN REGION . . | Delhi | .. | .. |
| WESTERN REGION . . | Gujarat | .. | .. |
| EASTERN REGION . . | West Bengal | .. | .. |
| | Total (II) | .. | .. |
| III. Private Licensees : | | | |
| WESTERN REGION . . | Gujarat | .. | .. |
| | Maharashtra | 285.00 | 285.00 |
| EASTERN REGION . . | West Bengal | .. | .. |
| | Total (III) | 285.00 | 285.00 |

TABLE NO. 13—(Contd.)

| OWNERSHIP | STEAM | | | |
|--|----------------|-----------|------------|---------|
| | 31-3-84 | 31-3-83 | % Increase | |
| I. Electricity Department/Govt. Undertaking/Corpn./Central Sector | | | | |
| NORTHERN REGION : | | | | |
| Chandigarh | .. | .. | .. | |
| Central Sector | 1,770 ·00 | 1,350 ·00 | 31 ·11 | |
| WESTERN REGION | Central Sector | 726 ·00 | 306 ·00 | 137 ·25 |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. | |
| Lakshadweep | .. | .. | .. | |
| Central Sector | 800 ·00 | 600 ·00 | 33 ·33 | |
| EASTERN REGION | Orissa | .. | .. | .. |
| West Bengal | 285 ·00 | 285 ·00 | .. | |
| Sikkim | .. | .. | .. | |
| D.V.C. | 1,527 ·50 | 1,527 ·50 | .. | |
| A. & N. Islands. | 1 ·65 | 1 ·65 | .. | |
| NORTH EASTERN REGION | Manipur | .. | .. | .. |
| Nagaland | .. | .. | .. | |
| Tripura | .. | .. | .. | |
| Arunachal Pradesh | .. | .. | .. | |
| Mizoram | .. | .. | .. | |
| Central Sector | .. | .. | .. | |
| Total (I) | 5,110 ·15 | 4,070 ·15 | 25 ·55 | |
| II. Municipalities : | | | | |
| NORTHERN REGION | Delhi | 255 ·80 | 255 ·80 | .. |
| WESTERN REGION | Gujarat | .. | .. | .. |
| EASTERN REGION | West Bengal | .. | .. | .. |
| Total (II) | 255 ·80 | 255 ·80 | .. | |
| III. Private Licensees : | | | | |
| WESTERN REGION | Gujarat | 290 ·00 | 290 ·00 | .. |
| | Maharashtra | 837 ·50 | 337 ·50 | 148 ·15 |
| EASTERN REGION | West Bengal | 611 ·38 | 491 ·38 | 24 ·42 |
| Total (III) | 1,738 ·88 | 1,118 ·88 | 55 ·41 | |

TABLE NO. 13—(Contd.)

| OWNERSHIP | DIESEL | | |
|--|------------------------------|--------------|--------------|
| | 31-3-84 | 31-3-83 | % Increase |
| I. Electricity Department/Govt. Undertaking/Corpn./Central Sector : | | | |
| NORTHERN REGION | Chandigarh | 2.00 | 2.00 |
| | Central Sector | .. | .. |
| WESTERN REGION | Central Sector | .. | .. |
| SOUTHERN REGION | Andhra Pradesh | .. | .. |
| | Karnataka | .. | .. |
| | Lakshadweep | 2.08 | 2.08 |
| | Central Sector | .. | .. |
| EASTERN REGION | Orissa | .. | .. |
| | West Bengal | .. | .. |
| | Sikkim | 1.70 | 2.06 |
| | D.V.C. | .. | .. |
| | A. & N. Islands. | 7.60 | 7.23 |
| NORTH EASTERN REGION | Manipur | 21.89 | 21.89 |
| | Nagaland | 3.62 | 3.62 |
| | Tripura | 6.34 | 6.86 |
| | Arunachal Pradesh | 5.05 | 3.20 |
| | Mizoram | 6.57 | 6.37 |
| | Central Sector | .. | .. |
| | Total (I) | 56.35 | 55.31 |
| | | | 2.18 |
| II. Municipalities : | | | |
| NORTHERN REGION | Delhi | 20.00 | 20.00 |
| WESTERN REGION | Gujarat | .. | .. |
| EASTERN REGION | West Bengal | .. | .. |
| | Total (II) | 20.00 | 20.00 |
| | | | .. |
| III. Private Licensees : | | | |
| WESTERN REGION | Gujarat | 0.20 | 0.20 |
| | Maharashtra | .. | .. |
| EASTERN REGION | West Bengal | 0.14 | 0.14 |
| | Total (III) | 0.34 | 0.34 |
| | | | .. |

TABLE NO. 13—(Concl.)

| OWNERSHIP | NUCLEAR | | |
|--|-----------------------------|----------|------------|
| | 31-3-84 | 31-3-83 | % Increase |
| I. Electricity Department/Govt. Undertaking/Corpsns./Central Sector | | | |
| NORTHERN REGION . . | Chandigarh | .. | .. |
| | Central Sector | 440.00 | 440.00 |
| WESTERN REGION . . | Central Sector | 420.00 | 420.00 |
| SOUTHERN REGION . . | Andhra Pradesh | .. | .. |
| | Karnataka | .. | .. |
| | Lakshadweep | .. | .. |
| | Central Sector | 235.00 | .. |
| EASTERN REGION . . | Orissa | .. | .. |
| | West Bengal | .. | .. |
| | Sikkim | .. | .. |
| | D.V.C. | .. | .. |
| | A. & N. Islands. | .. | .. |
| NORTH EASTERN REGION | Manipur | .. | .. |
| | Nagaland | .. | .. |
| | Tripura | .. | .. |
| | Arunachal Pradesh | .. | .. |
| | Mizoram | .. | .. |
| | Central Sector | .. | .. |
| | Total (I) | 1,095.00 | 860.00 |
| | | | 27.33 |
| II. Municipalities : | | | |
| NORTHERN REGION . . | Delhi | .. | .. |
| WESTERN REGION . . | Gujarat | .. | .. |
| EASTERN REGION . . | West Bengal | .. | .. |
| | Total (II) | .. | .. |
| III. Private Sector : | | | |
| WESTERN REGION . . | Gujarat | .. | .. |
| | Maharashtra | .. | .. |
| EASTERN REGION . . | West Bengal | .. | .. |
| | Total (III) | .. | .. |

33

TABLE NO. 14
Addition in Generation Capacity (Utilities only) During the Year 1983-84
(A) HYDRO

| Sl. No. | Installed at | State Ownership | Date of Addition | No. of Sets | Capacity of each Set (MW) | Total Capacity Added (MW) |
|----------------------|------------------------------------|----------------------------|---|----------------|---------------------------------|---------------------------------|
| 1. | Dehar Extn. (Unit-6) | Inter State (B.B.M.B.) | 10-11-83 | 1 | 165.00 | 165.00 |
| 2. | Mukerian (Unit-1 to 3) | S.E.B. (Punjab) | 2-10-83 14-10-83 25-11-83 | 3 | 15.00 | 45.00 |
| 3. | Khodri (Unit-1 to 4), Yamuna St-II | S.E.B. (U.P.) | 29-1-84 9-2-84 30-3-84 28-2-84 | 4 | 30.00 | 120.00 |
| 4. | Srisailam, (Unit-3) | S.E.B. (A.P.) | 19-11-83 | 1 | 110.00 | 110.00 |
| 5. | Donkarayi, (Unit-1) | S.E.B. (A.P.) | 4-10-83 | 1 | 25.00 | 25.00 |
| 6. | Nagarjunasagar, (R.B.C.), (Unit-2) | S.E.B. (A.P.) | 20-9-83 | 1 | 30.00 | 30.00 |
| 7. | Kalinadi, (Unit-6) | S.E.B. (Karnataka) | 25-3-84 | 1 | 135.00 | 135.00 |
| 8. | Jaldhaka (Unit-1 & 2) | S.E.B. (West Bengal) | 23-8-83 24-8-83 | 2 | 4.00 | 8.00 |
| 9. | Kopili (Unit-1 & 2) | Central Sector (Meghalaya) | 7-3-84 10-3-84 | 2 | 25.00 | 50.00 |
| 10. | Loktak (Unit-1 to 3) | Central Sector (Manipur) | 29-5-83 30-4-83 10-5-83 | 3 | 35.00 | 105.00 |
| 11. | Gumti (Unit-3) | Govt. Deptt. (Tripura) | 6-1-84 | 1 | 5.00 | 5.00 |
| TOTAL (HYDRO) | | | | 20 | | 798.00 |

34

TABLE NO. 14—(Concl.)
(B) STEAM GAS NUCLEAR

| Sl. No. | Installed at | State Ownership | Date of Addition | No. of Sets | Capacity of each set (MW) | Total Capacity (MW) |
|--------------------------------------|-------------------------------|---------------------------------------|---------------------|----------------|---------------------------------|---------------------------|
| 1. | Singrauli (STPS) (Unit-4 & 5) | Central Sector (U.P.) | 2-11-83 26-2-84 | 2 | 210·00 | 420·00 |
| 2. | Kota (Unit-2) | Rajasthan (S.E.B.) | 13-7-83 | 1 | 110·00 | 110·00 |
| 3. | Parichha (Unit-1) | U.P. S.E.B. | 31-3-84 | 1 | 110·00 | 110·00 |
| 4. | Korba (STPS) (Unit-2 & 3) | Central Sector (M.P.) | 31-10-83 17-3-84 | 2 | 210·00 | 420·00 |
| 5. | Wanakhori (Unit-3) | Gujarat S.E.B. | 15-3-84 | 1 | 210·00 | 210·00 |
| 6. | Korba West (Unit-1 & 2) | M.P. S.E.B. | 30-3-84 21-6-83 | 2 | 210·00 | 420·00 |
| 7. | Satpura (Unit-9) | M.P. S.E.B. | 27-2-84 | 1 | 210·00 | 210·00 |
| 8. | Chandrapur (Unit-1) | Maharashtra S.E.B. | 15-8-83 | 1 | 210·00 | 210·00 |
| 9. | Trombay Extn. (Unit-1) | TATA (Private Sector) Maharashtra | 25-1-84 | 1 | 500·00 | 500·00 |
| 10. | Ramagundam (Unit-1) | Central Sector A.P. | 27-10-83 | 1 | 200·00 | 200·00 |
| 11. | Patratu (Unit-9) | Bihar S.E.B. | 30-3-84 | 1 | 110·00 | 110·00 |
| 12. | Titagarh (Unit-2 & 3) | C.E.S.C. (West Bengal Pvt. Sector) | 26-4-83 16-1-84 | 2 | 60·00 | 120·00 |
| 13. | Lakwa (Gas) (Unit-3) | Assam S.E.B. | 29-7-83 | 1* | 15·00 | 15·00* |
| 14. | Kalpakkam Nuclear (Unit-1) | Tamil Nadu Central Sector | July 83 | 1\$ | 235·00\$ | 235·00\$ |
| Sub-Total | | | | | 18 | 3,290·00 |
| TOTAL (Hydro + Gas + Nuclear) | | | | | 38 | 4,088·00 |

NOTE : Excludes capacity addition in Diesel Power Station.

*Gas Station

\$ Nuclear Station

S.E.B.—State Electricity Boards

TABLE NO. 15

Addition/Deletion of Plant Capacity Primemoverwise/Regionwise/Statewise During The Year 1983-84
(IN MW)

| Region | Name of State/UTS. | HYDRO | STEAM | DIESEL |
|------------------------------------|-----------------------------|---------------|-----------------|-------------|
| NORTHERN REGION | Haryana | (+) 52.80(A) | .. | .. |
| | Himachal Pradesh | .. | .. | .. |
| | Jammu & Kashmir | .. | .. | .. |
| | Punjab | (+) 124.20(B) | .. | .. |
| | Rajasthan | 33.00(C) | (+) 110.00 | (+) 1.20(D) |
| | Uttar Pradesh | 120.00 | 56.40(E) | .. |
| | Central Sector | .. | 420.00 | .. |
| Sub-Total | | 330.00 | 586.40 | 1.20 |
| WESTERN REGION | Gujarat | .. | 210.00 | .. |
| | Madhya Pradesh | .. | 630.00 | .. |
| | Maharashtra | .. | 710.00 | .. |
| | Central Sector | .. | 420.00 | .. |
| Sub-Total | | .. | 1,970.00 | .. |
| SOUTHERN REGION | Andhra Pradesh | 165.00 | (-) 12.50(K) | .. |
| | Karnataka | 135.00 | .. | .. |
| | Tamil Nadu | .. | (-) 30.00 (L) | .. |
| | Lakshadweep | .. | .. | .. |
| | Central Sector | .. | 200.00 | .. |
| Sub-Total | | 300.00 | 157.50 | .. |
| EASTERN REGION | Bihar | .. | 110.00 | .. |
| | Orissa | .. | (-) 8.25(G) | .. |
| | West Bengal | 8.00 | 120.00 | .. |
| | D.V.C. | .. | .. | .. |
| | A. & N. Islands. | .. | .. | (+) 0.37(J) |
| | Sikkim | (+) 10.25(H) | .. | (-) 0.36(I) |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 8.25 | 221.75 | 0.01 |
| NORTH EASTERN REGION | Assam | .. | .. | .. |
| | Manipur | .. | .. | .. |
| | Meghalaya | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | 5.00 | .. | (-) 0.52(M) |
| | Arunachal Pradesh | 1.45(N) | .. | 1.85(O) |
| | Mizoram | .. | .. | 0.20(P) |
| | Central Sector | 155.00 | .. | .. |
| Sub-Total | | 161.45 | .. | 1.53 |
| TOTAL (ALL INDIA) | | 799.70 | 2,935.65 | 2.74 |

Capacity added in Micro Hydel Power Station

TABLE NO. 15—(Contd.)

| Name of State/UTs. | Gas | Nuclear | Total | | | |
|---|-----------------|---------------|-----------------|-------------|-------------|---------------|
| Haryana | .. | .. | 52.80 | | | |
| Himachal Pradesh | .. | .. | .. | | | |
| Jammu & Kashmir | .. | .. | .. | | | |
| Punjab | .. | .. | 124.00 | | | |
| Rajasthan | .. | .. | 144.20 | | | |
| Uttar Pradesh | (—)12.50(F) | .. | 163.90 | | | |
| Central Sector | .. | .. | 420.00 | | | |
| Sub-Total | (—)12.50 | .. | 905.10 | | | |
| Gujarat | .. | .. | 210.00 | | | |
| Madhya Pradesh | .. | .. | 630.00 | | | |
| Maharashtra | .. | .. | 710.00 | | | |
| Central Sector | .. | .. | 420.00 | | | |
| Sub-Total | .. | .. | 1,970.00 | | | |
| Bihar | .. | .. | 110.00 | | | |
| Orissa | .. | .. | (—)8.25 | | | |
| West Bengal | .. | .. | 128.00 | | | |
| D.V.C. | .. | .. | .. | | | |
| A. & N. Islands | .. | .. | 0.37 | | | |
| Sikkim | .. | .. | (—)0.11 | | | |
| Central Sector | .. | .. | .. | | | |
| Sub-Total | .. | .. | 230.01 | | | |
| Andhra Pradesh | .. | .. | 152.50 | | | |
| Karnataka | .. | .. | 135.00 | | | |
| Tamil Nadu | .. | .. | (—)30.00 | | | |
| Lakshadweep | .. | .. | .. | | | |
| Central Sector | .. | 235.00 | 435.00 | | | |
| Sub-Total | .. | 235.00 | 692.50 | | | |
| Assam | 15.00 | .. | 15.00 | | | |
| Manipur | .. | .. | .. | | | |
| Meghalaya | .. | .. | .. | | | |
| Nagaland | .. | .. | .. | | | |
| Tripura | .. | .. | 4.48 | | | |
| Arunachal Pradesh | .. | .. | 3.30 | | | |
| Mizoram | .. | .. | 0.20 | | | |
| Central Sector | .. | .. | 155.00 | | | |
| Sub-Total | 15.00 | .. | 177.98 | | | |
| TOTAL (ALL INDIA) | 2.50 | 235.00 | 3,975.59 | | | |
| | Total | Hydro | Steam | Diesel | Gas | Nuclear |
| Gross Addition | 4,090.21 | 798.00 | 3,040.00 | 2.21 | 15.00 | 235.00 |
| Deletion/Retirement Reporting | (—)127.37 | .. | (—)114.35 | (—)0.52 | 12.50 | .. |
| Difference/uprating | 12.75 | 1.70 | 10.00 | 1.05 | .. | .. |
| Net Additions | 3,975.59 | 799.70 | 2,935.65 | 2.74 | 2.50 | 235.00 |

TABLE NO. 15—(Concl.)

Note :

- (A) Addition of 52·80 MW in capacity out of 32% share from Dehar hydro power house of 165 MW.
- (B) Addition of 79·20 MW capacity out of 48% share from Dehar power house of 165 MW and 45·00 MW addition in Mukerian power house.
- (C) Addition of 33·00 MW in capacity out of 20% Share out from Dehar hydro power house of 165 MW.
- (D) Addition in diesel capacity of 1·20 MW as reporting difference.
- (E) Deletion of 63·60 MW in different steam power stations and uprating of 10 MW at Harduaganj 'B, Steam power station.
- (F) Deletion of 12·50 MW at Muradnagar Gas power station.
- (G) Deletion of 0·75 MW at Jobra and 7·50 MW at Choudhwar Steam Power Stations.
- (H) Addition in Jolli Power House of 0·25 MW as reporting difference.
- (I) Deletion of 0·36 MW in different diesel power house as reporting difference.
- (J) Addition in Sitanagar Diesel Power House of 0·33 MW and Champion of 0·03 MW and reporting difference 0·01 MW.
- (K) Deletion of 12·50 MW at Hussainsagar steam power station.
- (L) Deletion of 30·00 MW at Bassien Bridge steam power station.
- (M) Deletion of 0·52 MW at Agartala diesel power house.
- (N) Addition of 1·45 MW in different hydro power station as reporting difference.
- (O) Addition of 1·85 in different diesel power stations.

TABLE No. 16
Classification of undertakings* capacitywise as on 31-3-1984

| Range of installed capacity (MW) | No. of Undertakings | Aggregate installed capacity of the group (MW) | % to total installed capacity | Energy generated by the group (GWH) | % to Total generation |
|---------------------------------------|---------------------|--|-------------------------------|-------------------------------------|-----------------------|
| Upto 1·00 | 2 | 0·34 | Neg. | 0·21 | Neg. |
| Over 1·00 and upto 2·00 | 1 | 2·00 | Neg. | 0·09 | Neg. |
| Over 2·00 and upto 5·00 | 1 | 2·08 | 0·01 | 3·04 | Neg. |
| Over 5·00 and upto 10·00 | 4 | 29·32 | 0·07 | 50·70 | 0·04 |
| Over 10·00 and upto 15·00 | Nil | .. | .. | .. | .. |
| Over 15·00 and upto 25·00 | 5 | 94·85 | 0·24 | 186·61 | 0·13 |
| Over 25·00 and upto 50·00 | 1 | 50·00 | 0·13 | 0·74 | Neg. |
| Over 50·00 and upto 100·00 | 2 | 168·00 | 0·43 | 380·91 | 0·27 |
| Over 100·00 and upto 500·00 | 15 | 3,568·80 | 9·07 | 12,641·52 | 9·02 |
| Above 500·00 | 21 | 35,423·47 | 90·05 | 1,26,913·54 | 90·54 |
| TOTAL | 52 | 39,338·86 | 100·00 | 1,40,177·36 | 100 00 |

Neg.—Negligible

*—Generating.

TABLE NO. 17
Classification of power stations capacitywise as on 31-3-1984

| Range of installed Station Capacity | No. of generating Stations | Installed capacity group Total (MW) | Percentage of total capacity |
|---|----------------------------|-------------------------------------|------------------------------|
| HYDRO STATION | | | |
| Upto 100 KW | 10 | 0.47 | Neg. |
| Over 100 KW upto 1.00 MW | 37 | 16.87 | 0.12 |
| Over 1.00 MW upto 2.00 MW | 13 | 20.02 | 0.15 |
| Over 2.00 MW upto 5.00 MW | 10 | 34.50 | 0.25 |
| Over 5.00 MW upto 10.00 MW | 5 | 45.30 | 0.33 |
| Over 10.00 MW upto 15.00 MW | 4 | 53.20 | 0.38 |
| Over 15.00 MW upto 25.00 MW | 11 | 229.10 | 1.65 |
| Over 25.00 MW upto 50.00 MW | 28 | 1,043.85 | 7.53 |
| Over 50.00 MW upto 100.00 MW | 23 | 1,571.50 | 11.34 |
| Over 100.00 MW upto 500.00 MW | 29 | 6,479.75 | 46.77 |
| Above 500.00 MW | 6 | 4,361.00 | 31.48 |
| TOTAL | 176 | 13,855.56 | 100.00 |
| STEAM STATION | | | |
| Upto 100 KW | .. | .. | .. |
| Over 100 KW upto 1.00 MW | .. | .. | .. |
| Over 1.00 MW upto 2.00 MW | 2 | 3.65 | 0.02 |
| Over 2.00 MW upto 5.00 MW | 3 | 12.00 | 0.05 |
| Over 5.00 MW upto 10.00 MW | 3 | 27.38 | 0.12 |
| Over 10.00 MW upto 15.00 MW | 7 | 98.00 | 0.41 |
| Over 15.00 MW upto 25.00 MW | 6 | 123.20 | 0.52 |
| Over 25.00 MW upto 50.00 MW | 6 | 193.60 | 0.82 |
| Over 50.00 MW upto 100.00 MW | 13 | 1,011.11 | 4.27 |
| Over 100.00 MW upto 500.00 MW | 44 | 12,445.00 | 52.63 |
| Above 500.00 MW | 14 | 9,734.00 | 41.16 |
| TOTAL | 98 | 23,647.83 | 100.00 |

TABLE NO. 17—(Contd.)

| Range of installed Station capacity | Energy generated by the group (GWH) | Generation % of total | Kwh/KW@ |
|---|-------------------------------------|-----------------------|--------------|
| HYDRO STATION | | | |
| Upto 100 KW | 0.31 | Neg. | 660 |
| Over 100 KW upto 1.00 MW | 31.97 | 0.06 | 1,895 |
| Over 1.00 MW upto 2.00 MW | 33.20 | 0.07 | 1,658 |
| Over 2.00 MW upto 5.00 MW | 83.96 | 0.17 | 2,434 |
| Over 5.00 MW upto 10.00 MW | 155.73 | 0.31 | 3,438 |
| Over 10.00 MW upto 15.00 MW | 206.22 | 0.41 | 3,876 |
| Over 15.00 MW upto 25.00 MW | 748.14 | 1.50 | 3,266 |
| Over 25.00 MW upto 50.00 MW | 3,277.54 | 6.56 | 3,140 |
| Over 50.00 MW upto 100.00 MW | 5,805.54 | 11.62 | 3,694 |
| Over 100.00 MW upto 500.00 MW | 21,388.73 | 42.82 | 3,301 |
| Above 500.00 MW | 18,222.93 | 36.48 | 4,179 |
| TOTAL | 49,954.27 | 100.00 | 3,605 |
| STEAM STATION | | | |
| Upto 100 KW | .. | .. | .. |
| Over 100 KW upto 1.00 MW | .. | .. | .. |
| Over 1.00 MW upto 2.00 MW | 0.52 | Neg. | 142 |
| Over 2.00 MW upto 5.00 MW | 0.90 | Neg. | 75 |
| Over 5.00 MW upto 10.00 MW | 71.96 | 0.08 | 2,628 |
| Over 10.00 MW upto 15.00 MW | 121.50 | 0.14 | 1,240 |
| Over 15.00 MW upto 25.00 MW | 177.91 | 0.21 | 1,444 |
| Over 25.00 MW upto 50.00 MW | 730.50 | 0.87 | 3,773 |
| Over 50.00 MW upto 100.00 MW | 3,161.30 | 3.75 | 3,127 |
| Over 100.00 MW upto 500.00 MW | 40,606.46 | 48.09 | 3,263 |
| Above 500.00 MW | 39,564.24 | 46.86 | 4,063 |
| TOTAL | 84,435.29 | 100.00 | 3,571 |

@The figures given under this table indicate the generation in Kwh during the year per KW of installed capacity at the end of year.
8—261 CEA/ND/86

TABLE NO. 18
Classification of sets primemoverwise-capacity-wise as on 31-3-1984

| Range of installed capacity of sets (MW) | HYDRO | | | STEAM | | |
|--|-------------|-------------------------|---------------|-------------|--------------------|---------------|
| | No. of sets | installed capacity (MW) | % to total | No. of sets | installed capacity | % to total |
| Upto 100 KW | 55 | 4.28 | 0.03 | .. | .. | .. |
| Over 100 KW and upto 1.00 MW | 110 | 43.78 | 0.32 | 9 | 7.65 | 0.03 |
| Over 1.00 and upto 2.00 | 11 | 16.80 | 0.12 | 7 | 10.88 | 0.05 |
| Over 2.00 and upto 5.00 | 43 | 171.50 | 1.24 | 30 | 109.00 | 0.46 |
| Over 5.00 and upto 10.00 | 59 | 483.80 | 3.49 | 18 | 143.45 | 0.61 |
| Over 10.00 and upto 20.00 | 79 | 1,158.15 | 8.36 | 36 | 564.75 | 2.39 |
| Over 20.00 and upto 30.00 | 45 | 1,154.25 | 8.33 | 29 | 870.00 | 3.68 |
| Over 30.00 and upto 50.00 | 57 | 2,324.00 | 16.77 | 27 | 1,318.60 | 5.58 |
| Over 50.00 and upto 100.00 | 71 | 5,269.00 | 38.03 | 65 | 4,571.50 | 19.33 |
| Over 100.00 and upto 200.00 | 24 | 3,230.00 | 23.31 | 64 | 8,410.00 | 35.56 |
| Above 200.00 | .. | .. | .. | 35 | 7,640.00 | 32.31 |
| TOTAL | 554 | 13,855.56 | 100.00 | 320 | 23,647.83 | 100.00 |

TABLE NO. 18—(Contd.)

| Range of installed capacity of sets (MW) | GAS | | | NUCLEAR | | |
|--|-------------|-------------------------|---------------|-------------|-------------------------|---------------|
| | No. of Sets | Installed capacity (MW) | % to Total | No. of Sets | Installed capacity (MW) | % to Total |
| Upto 1.00 | .. | .. | .. | .. | .. | .. |
| Over 1.00 and upto 5.00 | 7 | 21.00 | 3.74 | .. | .. | .. |
| Over 5.00 and upto 10.00 | 2 | 20.00 | 3.56 | .. | .. | .. |
| Over 10.00 and upto 20.00 | 9 | 157.50 | 28.05 | .. | .. | .. |
| Over 20.00 and upto 30.00 | 5 | 123.00 | 21.91 | .. | .. | .. |
| Over 30.00 and upto 50.00 | .. | .. | .. | .. | .. | .. |
| Over 50.00 and upto 100.00 | 4 | 240.00 | 42.74 | .. | .. | .. |
| Over 100.00 and upto 200.00 | .. | .. | .. | .. | .. | .. |
| Above 200.00 | .. | .. | .. | 5 | 1,095.00 | 100.00 |
| TOTAL | 27 | 561.50 | 100.00 | 5 | 1,095.00 | 100.00 |

Note :—Setwise classification of Diesel Power Houses not given due to non-availability of setwise details in certain cases.

SECTION III

Generation (Utilities)

GENERATION

The All India gross electricity generation by the public utilities was 140177.36 GWH during the year 1983-84 as compared to 130263.58 GWH during 1982-83 thereby registering an increase of 7.61% in electricity production.

Electricity generation from Steam Generating Stations continued to form the Major proportion of total electricity production. The relative percentages of generation from Steam, Hydro Nuclear, Gas and Diesel power Stations were 60.23%, 35.64%, 2.53%, 1.57% and 0.03% respectively during the year 1983-84.

There were 98 steam stations and 176 Hydro Stations existing in the country as on 31st March, 1984 generating 84435.29GWH and 49954.27 GWH respectively. B.B.M.B. complex the biggest of all the systems resulted in the maximum electricity production of 11299.62 GWH during the year.

Beside electricity generation by the public Utilities during the year under review captive plants of selected industries produced 10816.64 GWH comprising of 8958.96 GWH from Steam, 18.27 GWH from Hydro 1747.79 GWH from Diesel and 91.62 GWH from Gas Turbine plants respectively. Apart from the above, Electricity generation from captive plants of Railways was 47.62 GWH which comprised of 31.37 GWH from Steam and 16.25 GWH from Diesel plants respectively.

To sum up, total electricity production in the country including that from captive plants during the year 1983-84 was 150994.00 GWH as compared to 140299.29 GWH during the year 1982-83 recording an increase of 7.62%.

The tables in this section depict the salient features of Electricity Generation in various sectors and by different types of promoters etc.

TABLE NO. 19
Gross Energy Generation in the Country (Utilities and Non-utilities)
Primemoverwise During the Year 1983-84

| Category | Year | Total | Hydro | Steam | (GWH) |
|-----------------------------|----------------------------|-------------|-----------|-----------|----------|
| Utilities | 1983-84 | 1,40,177.36 | 49,954.27 | 84,435.29 | |
| | 1982-83 | 1,30,263.58 | 48,373.38 | 77,913.81 | |
| | % increase | 7.61 | 3.27 | 8.37 | |
| Non-Utilities | Selected Industries (I) | 1983-84 | 10,769.02 | 18.27 | 8,927.59 |
| | | 1982-83 | 9,989.00 | 10.00 | 8,497.05 |
| | | % increase | 7.81 | 82.70 | 5.06 |
| | Railways (II) | 1983-84 | 47.62 | .. | 31.37 |
| | | 1982-83 | 46.71 | .. | 31.56 |
| | | % increase | 6.46 | .. | (-) 0.60 |
| | Total Non-Utilities (I+II) | 1983-84 | 10,816.64 | 18.27 | 8,953.96 |
| | | 1982-83 | 10,035.71 | 10.00 | 8,528.61 |
| | | % increase | 7.78 | 82.70 | 5.04 |
| All India | 1983-84 | 1,50,994.00 | 4,9972.54 | 93,394.25 | |
| Gross Generation | 1982-83 | 1,40,299.29 | 48,383.38 | 86,442.42 | |
| (Utilities + Non Utilities) | % increase | 7.62 | 3.28 | 8.04 | |

TABLE NO. 19—(Contd.)

| Category | Year | Diesel | Gas | Nuclear |
|--|------------|----------|----------|----------|
| Utilities | 1983-84 | 43.05 | 2,198.69 | 3,546.06 |
| | 1982-83 | 44.46 | 1,909.99 | 2,021.94 |
| | % increase | (-)3.17 | 15.12 | 75.38 |
| Selected Industries (I) | 1983-84 | 1,731.54 | 91.62 | .. |
| | 1982-83 | 1,406.27 | 75.68 | .. |
| | % increase | 23.12 | 21.06 | .. |
| Railways (II) | 1983-84 | 16.25 | .. | .. |
| | 1982-83 | 15.15 | .. | .. |
| | % increase | 7.26 | .. | .. |
| Total | 1983-84 | 1,747.79 | 91.62 | .. |
| Non-Utilities | 1982-83 | 1,421.42 | 75.68 | .. |
| (I) + (II) | % increase | 22.96 | 21.06 | .. |
| All India Gross Generation (Utilities + Non-Utilities) | 1983-84 | 1,790.84 | 2,290.31 | 3,546.06 |
| | 1982-83 | 1,465.88 | 1,985.67 | 2,021.94 |
| | % increase | 22.16 | 15.34 | 75.38 |

Note : GWH-Million KWH.

TABLE NO. 26

All India Electricity Generation (Utilities only) Ownershipwise and Primemoverwise During 1983-84

| Sl. No. | Type of Primemover and Ownership | Generation (Gross) (GHW) | % to all India Total | % Increase in generation over the previous year |
|---|----------------------------------|-----------------------------|-------------------------|---|
| I. HYDRO | | | | |
| Public Sector | | | | |
| (a) State Electricity Board | 39,545.11 | 28.21 | (—)1.40 | |
| (b) Elec. Deptt./Govt. Undertaking/Corporation/Central Sector | 8,958.16 | 6.39 | 27.61 | |
| (c) Municipalities | .. | .. | .. | .. |
| Sub-Total | 48,503.27 | 34.60 | 2.92 | |
| Private Sector | | | | |
| Companies | 1,451.00 | 1.04 | 16.55 | |
| TOTAL (HYDRO) | 49,954.27 | 35.64 | 3.27 | |
| II. STEAM | | | | |
| Public Sector | | | | |
| (a) State Electricity Board | 58,477.32 | 41.72 | 4.23 | |
| (b) Elec. Deptt./Govt. Undertaking/Corporation/Central Sector | 18,718.35 | 13.35 | 24.99 | |
| (c) Municipalities | 1,037.20 | 0.74 | (—)3.62 | |
| Sub-Total | 78,232.87 | 55.81 | 8.42 | |
| Private Sector | | | | |
| Companies | 6,202.42 | 4.42 | 7.70 | |
| TOTAL (STEAM) | 84,435.29 | 60.23 | 8.37 | |
| III. DIESEL | | | | |
| Public Sector | | | | |
| (a) State Electricity Boards | 4.74 | Neg. | (—)26.74 | |
| (b) Elec. Deptt./Govt. Undertaking/Corporation/Central Sector | 38.01 | 0.03 | 4.19 | |
| (c) Municipalities | 0.09 | Neg. | (—)592.31 | |
| Sub-Total | 42.84 | 0.03 | (—)3.19 | |
| Private Sector | | | | |
| Companies | 0.21 | Neg. | .. | |
| TOTAL (Diesel) | 43.05 | 0.03 | (—)3.17 | |

TABLE NO. 20—(Contd.)

| Sl. No. | Type of Primemover and Ownership | Generation (Gross) (GWH) | % to All India total | % increase in generation over previous year |
|---|----------------------------------|--------------------------------|-------------------------|--|
| IV. GAS TURBINES—PUBLIC SECTOR | | | | |
| (a) State Electricity Board | . | 2198·69 | 1·57 | 15·12 |
| (b) Electricity Dep'ts./Govt. Undertakings/Corporations/ Central Sector | . | .. | .. | .. |
| (c) Municipalities | . | .. | .. | .. |
| Sub-Total | . | 2198·69 | 1·57 | 15·12 |
| Private Sector Companies | | | | |
| Total (Gas) | . | 2198·69 | 1·57 | 15·12 |
| V. NUCLEAR—PUBLIC SECTOR | | | | |
| (a) State Electricity Boards | . | .. | .. | .. |
| (b) Electricity Dep'ts./Govt. Undertakings/Corporations/Central Sector | . | 3546·06 | 2·53 | 75·38 |
| (c) Municipalities | . | .. | .. | .. |
| Sub-Total | . | 3546·06 | 2·53 | 75·38 |
| Private Sector Companies | | | | |
| Total (Nuclear) | . | 3546·06 | 2·53 | 75·38 |
| VI. GRAND TOTAL (I TO V) | | | | |
| Public Sector | | | | |
| (a) State Elec'y. Boards (18 Nos.) | . | 100225·86 | 71·50 | 2·14 |
| (b) Electricity Dep'ts./Govt. Undertakings/Corporations/Central Sector (23 Nos.) | . | 31260·58 | 22·30 | 29·96 |
| (c) Municipalities (13 Nos.) | . | 1037·29 | 0·74 | (—)3·73 |
| Sub-Total (54 Nos.) | . | 132523·73 | 94·54 | 7·52 |
| Private Sector Companies (42 Nos.) | | | | |
| TOTAL (ALL INDIA) (96 Nos.) | . | 140177·36 | 100·00 | 7·61 |

Note : —Figures with in brackets show number of undertakings.

TABLE NO. 21
All India Gross Energy generation (Utilities only) regionwise/Statewise during 1983-84

(In GWH)

| Region | State/U.Ts. | ENERGY GENERATION | | |
|---------------------|-----------------------------------|-------------------|-------------|-----------|
| | | 1982-83 | 1983-84 | %Increase |
| NORTHERN REGION | Haryana | 4910.57 | 4916.79 | 0.13 |
| | Himachal Pradesh | 541.46 | 586.60 | 8.34 |
| | Jammu & Kashmir | 939.03 | 892.59 | (-)4.95 |
| | Punjab | 7776.64 | 8383.44 | 7.80 |
| | Rajasthan | 3597.02 | 4448.53 | 23.67 |
| | Uttar Pradesh | 12585.14 | 11683.25 | (-)7.17 |
| | Chandigarh | 0.05 | 0.09 | 80.00 |
| | Delhi | 1077.39 | 10.37.29 | (-)3.73 |
| | Central Sector | 5649.52 | 8468.43 | 48.13 |
| | Sub-Total | 37076.82 | 40317.01 | 8.74 |
| WESTERN REGION | Gujarat | 10,777.56 | 11,998.45 | 11.33 |
| | Madhya Pradesh | 7,680.98 | 8,132.88 | 5.88 |
| | Maharashtra | 20,138.36 | 21,911.68 | 8.81 |
| | D & N Haveli | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | 1,591.04 | 3,342.20 | 110.06 |
| | Sub-Total | 40,187.97 | 45,385.21 | 12.93 |
| SOUTHERN REGION | Andhra Pradesh | 10,255.05 | 11,012.10 | 7.38 |
| | Karnataka | 7,721.43 | 7,823.97 | 1.33 |
| | Kerala | 4,487.73 | 3,643.39 | (-)18.82 |
| | Tamil Nadu | 7,382.37 | 6,940.98 | (-)5.98 |
| | Lakshadweep | 2.20 | 3.04 | 38.18 |
| | Pondicherry | .. | .. | .. |
| | Central Sector | 3,832.70 | 4,553.56 | 18.81 |
| | Sub-Total | 33,681.48 | 33,977.04 | 0.88 |
| ESTERN REGION | Bihar | 2,753.30 | 2,458.80 | (-)10.70 |
| | Orissa | 3,184.72 | 3,855.75 | 21.07 |
| | West Bengal | 5,937.78 | 6,297.32 | 6.06 |
| | D.V.C. | 6,008.48 | 6,336.60 | 5.46 |
| | A & N Islands | 12.35 | 14.35 | 16.19 |
| | Sikkim | 25.43 | 27.78 | 94.24 |
| | Central Sector | .. | .. | .. |
| | Sub-Total | 17,922.06 | 18,990.60 | 5.96 |
| NORTH ESTERN REGION | Assam | 896.24 | 967.70 | 7.97 |
| | Manipur | 12.60 | 9.61 | (-)23.73 |
| | Meghalaya | 406.04 | 414.68 | 2.13 |
| | Nagaland | 1.18 | 0.76 | (-)36.59 |
| | Tripura | 53.42 | 54.06 | 1.20 |
| | Arunachal Pradesh | 20.14 | 22.14 | 9.93 |
| | Mizoram | 5.66 | 7.55 | 33.39 |
| | Central Sector | .. | 31.00 | .. |
| | Sub-Total | 1,395.28 | 1,507.50 | 8.04 |
| | GRAND TOTAL (ALL INDIA) | 1,30,263.58 | 1,40,177.36 | 7.61 |

Note :—Generation of jointly owned projects have been shown divided between the partner states as per their theoretical shares
G W H—Million Kwh.

TABLE NO. 22
Gross Energy Generation (Utilities only)
Ownershipwise-Regionwise/Statewise During 1983-84

(In GWH)

| Region | State/U.Ts. | PUBLIC SECTOR | | |
|------------------------------------|---------------------------------------|------------------|--------------------|----------------|
| | | 1982-83 | 1983-84 | % Increase |
| NORTHERN REGION | Haryana | 4,910.57 | 4,916.79 | 0.13 |
| | Himachal Pradesh | 541.46 | 586.60 | 8.34 |
| | Jammu & Kashmir | 939.03 | 892.59 | (-)4.95 |
| | Punjab | 7,776.64 | 8,383.44 | 7.80 |
| | Rajasthan | 3,597.02 | 4,448.53 | 23.67 |
| | Uttar Pradesh | 12,585.14 | 11,683.25 | 7.17 |
| | Chandigarh | .. | .. | .. |
| | Delhi | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 30,349.86 | 30,911.20 | 1.85 |
| WESTERN REGION | Gujarat | 8,958.80 | 10,198.06 | 13.83 |
| | Madhya Pradesh | 7,680.98 | 8,132.88 | 5.88 |
| | Maharashtra | 16,722.36 | 18,151.68 | 8.55 |
| | D & N Haveli | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 33,362.14 | 36,482.62 | 9.35 |
| SOUTHERN REGION | Andhra Pradesh | 9,619.50 | 10,377.40 | 7.88 |
| | Karnataka | 2,589.98 | 910.955 | (-)64.83 |
| | Kerala | 4,487.73 | 3,643.39 | (-)18.82 |
| | Tamil Nadu | 7,382.37 | 6,940.98 | (-)5.98 |
| | Lakshadweep | .. | .. | .. |
| | Pondicherry | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 24,079.58 | 21,872.72 | (-)9.16 |
| EASTERN REGION | Bihar | 2,753.30 | 3,458.80 | (-)10.70 |
| | Orissa | 2,994.90 | 3,569.18 | 22.18 |
| | West Bengal | 3,286.00 | 3,458.96 | 5.26 |
| | D.V.C. | .. | .. | .. |
| | Andaman and Nicobar Islands | .. | .. | .. |
| | Sikkim | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 9,034.20 | 9,576.94 | 6.01 |
| NORTH EASTERN REGION | Assam | 896.24 | 967.70 | 7.97 |
| | Manipur | .. | .. | .. |
| | Meghalaya | 406.04 | 414.68 | 2.13 |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 1,302.28 | 1,382.38 | 6.15 |
| TOTAL (ALL INDIA) | | 98,128.06 | 1,00,225.86 | 2.14 |

Note :--GWH—Million Kwh

\$ —The generation is less compared to previous year due to exclusion of power projects which are under Karnataka Power Corporation i.e. a Govt. Deptt., their generation has been indicated in the respective table.

TABLE NO. 22—(Contd.)

| State/U.Ts. | PUBLIC SECTOR | | |
|-------------------------------------|------------------|------------------|--|
| | Electy. | Dept./Govt. | Undertaking/Corporation/ Central Sector |
| | 1982-83 | 1983-84 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | 0.05 | 0.09 | 80.00 |
| Delhi | .. | .. | .. |
| Central Sector | 5,649.52 | 8,368.43 | 48.13 |
| Sub-Total | 5,649.57 | 8,368.52 | 48.13 |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| D & N. Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | 1,591.04 | 3,342.20 | 110.16 |
| Sub-Total | 1,591.04 | 3,342.20 | 110.16 |
| Andhra Pradesh | 635.55 | 634.70 | (-)0.13 |
| Karnataka | 5,131.45 | 6,913.02 | 34.72 |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | 2.20 | 3.04 | 38.18 |
| Pondicherry | .. | .. | .. |
| Central Sector | 3,872.70 | 4,553.56 | 18.81 |
| Sub-Total | 9,601.90 | 12,104.32 | 26.06 |
| Bihar | .. | .. | .. |
| Orissa | 189.82 | 196.57 | 3.56 |
| West Bengal | 882.36 | 745.12 | (-)15.55 |
| D.V.C. | 6,008.48 | 6,336.60 | 5.46 |
| A & N Islands | 12.35 | 14.35 | 16.19 |
| Sikkim | 25.43 | 27.78 | 9.24 |
| Central Sector | .. | .. | .. |
| Sub-Total | 7,118.44 | 7,320.42 | 2.84 |
| Assam | .. | .. | .. |
| Manipur | 12.60 | 9.61 | (-)23.73 |
| Meghalaya | .. | .. | .. |
| Nagaland | 1.18 | 0.76 | (-)36.59 |
| Tripura | 53.42 | 54.06 | 1.20 |
| Arunachal Pradesh | 20.14 | 22.14 | 9.93 |
| Mizoram | 5.66 | 7.55 | 33.39 |
| Central Sector | .. | 31.00 | .. |
| Sub-Total | 93.00 | 125.12 | 34.54 |
| TOTAL (ALL INDIA). | 24,053.95 | 31,260.58 | 29.96 |

Table No. 22 (Contd.)

| State/U.Ts. | Public Sector | | |
|------------------------------------|-----------------|-----------------|----------------|
| | Municipalities | | % increase |
| | 1982-83 | 1983-84 | |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | 1,077.39 | 1,037.29 | (-)3.73 |
| Central Sector | .. | .. | .. |
| Sub-Total | 1,077.39 | 1,037.29 | (-)3.73 |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| Dadra & Nagar Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Tamilnadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | .. | .. | .. |
| D.V.C. | .. | .. | .. |
| A & N Islands | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Assam | .. | .. | .. |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Trioura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| TOTAL (ALL INDIA) | 1,077.39 | 1,037.29 | (-)3.73 |

Table No. 23 (Conld.)

| State /U.Ts. | Private Sector | | |
|------------------------------------|-----------------|-----------------|-------------|
| | 1982-83 | 1983-84 | % increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Gujarat | 1,818.76 | 1,800.39 | (-1)01 |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | 3,416.00 | 3,760.00 | 10.07 |
| D & N Havelli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 5,234.76 | 5,560.39 | 6.22 |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | 1,769.42 | 2,093.24 | 18.30 |
| D.V.C. | .. | .. | .. |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 1,769.42 | 2,093.24 | 18.30 |
| Assam | .. | .. | .. |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| TOTAL (ALL INDIA) | 7,004.18 | 7,653.63 | 9.27 |

Note :—Generation of jointly owned projects have been shown divided between the partner states as per their theoretical shares.

TABLE NO. 23
Gross energy Generation (Utilities only)
Prime Moverwise - Regionwise / Statewise during 1983--84

(GWH)

| Region | State/U.ts. | Hydro | | |
|----------------------------------|--------------------------|------------------|------------------|----------------|
| | | 1982-83 | 1983-84 | %Increase |
| NORTHERN REGION | Haryana | 3,412.56 | 3,515.42 | 3.01 |
| | Himachal Pradesh . . . | 541.42 | 586.56 | 8.34 |
| | Jammu & Kashmir . . . | 934.29 | 889.54 | (-)4.79 |
| | Punjab | 5,809.94 | 6,179.46 | 6.36 |
| | Rajasthan | 2,841.16 | 2,980.84 | 4.92 |
| | Uttar Pradesh | 4,175.46 | 4,020.12 | 3.72 |
| | Chandigarh | .. | .. | .. |
| | Delhi | .. | .. | .. |
| | Central Sector | 821.03 | 849.48 | 3.47 |
| Sub-Total | | 18,535.86 | 19,021.42 | 2.62 |
| WESTERN REGION | Gujarat | 410.43 | 1,090.71 | 163.75 |
| | Madhya Pradesh | 417.03 | 469.79 | 12.65 |
| | Maharashtra | 5,723.02 | 6,177.56 | 7.94 |
| | D & N Haveli | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 6,550.43 | 7,738.06 | 18.13 |
| SOUTHERN REGION | Andhra Pradesh | 4,692.65 | 5,102.80 | 8.74 |
| | Karnataka | 7,721.43 | 7,823.97 | 1.25 |
| | Kerala | 4,487.73 | 3,643.39 | (-)18.79 |
| | Tamilnadu | 3,344.80 | 2,960.11 | (-)11.50 |
| | Lakshadweep | .. | .. | .. |
| | Pondicherry | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 20,246.61 | 19,530.27 | (-)3.54 |
| EASTERN REGION | Bihar | 142.13 | 186.63 | 31.31 |
| | Orissa | 2,158.23 | 2,587.13 | 19.87 |
| | West Bengal | 92.45 | 111.69 | 20.81 |
| | D.V.C. . . . | 147.19 | 232.54 | 57.99 |
| | A & N Island | .. | .. | .. |
| | Sikkim | 22.44 | 27.67 | 23.31 |
| | Central Sector | .. | .. | .. |
| Sub-Total | | 2,562.44 | 3,145.66 | 22.76 |
| NORTH EASTERN REGION | | | | |
| | Assam | .. | .. | .. |
| | Manipur | 1.79 | 0.79 | (-)53.87 |
| | Meghalaya | 405.45 | 414.68 | 2.28 |
| | Nagaland | 0.87 | 0.59 | (-)22.19 |
| | Tripura | 52.06 | 52.76 | 1.34 |
| | Arunachal Pradesh. . . . | 17.82 | 19.04 | 6.84 |
| | Mizoram | .. | .. | .. |
| | Central Sector | .. | 31.00 | .. |
| Sub-Total | | 477.99 | 518.86 | 8.55 |
| TOTAL (ALL INDIA) | | 48,373.38 | 49,954.27 | 3.27 |

TABLE NO. 23. (Contd.)

| State/U.Ts. | Steam | | |
|------------------------------------|------------------|------------------|--------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | 1,498.01 | 1,401.37 | (—)6.45 |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | 4.67 | 3.05 | (—)34.69 |
| Punjab | 1,966.58 | 2,203.98 | 12.07 |
| Rajasthan | 755.80 | 1,467.63 | 94.18 |
| Uttar Pradesh | 8,409.69 | 7,663.13 | (—)8.88 |
| Chandigarh | .. | .. | .. |
| Delhi | 1,076.09 | 1,037.20 | (—)3.62 |
| Central Sector | 4,276.85 | 6,274.94 | 46.72 |
| Sub-Total | 17,987.68 | 20,051.30 | 11.47 |
| Gujarat | 10,283.33 | 10,907.65 | 6.07 |
| Madhya Pradesh | 7,263.95 | 7,663.09 | 5.49 |
| Maharashtra | 13,353.66 | 14,139.60 | 5.89 |
| D & N Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | 120.74 | 1,485.15 | 1,130.04 |
| Sub-Total | 31,021.68 | 34,195.49 | 10.26 |
| Andhra Pradesh | 5,562.40 | 5,909.30 | 6.24 |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | 4,037.57 | 3,980.87 | (—)1.40 |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | 3,832.70 | 4,108.56 | 7.20 |
| Sub-Total | 13,432.67 | 13,997.83 | 4.21 |
| Bihar | 2,610.41 | 2,271.42 | (—)12.99 |
| Orissa | 1,026.49 | 1,268.62 | 23.59 |
| West Bengal | 5,627.97 | 6,110.48 | 8.57 |
| D.V.C. | 5,861.29 | 6,104.06 | 4.14 |
| A & N Island | 1.57 | 0.52 | (—)66.88 |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 15,127.73 | 15,755.10 | 4.15 |
| Assam | 344.05 | 434.67 | 26.34 |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| General Sector | .. | .. | .. |
| Sub-Total | 344.05 | 434.67 | 26.34 |
| TOTAL (ALL INDIA) | 77,913.81 | 84,435.29 | 8.37 |

TABLE NO. 23 (Contd.)

| State/U.Ts. | Diesel | | |
|--------------------------|--------------|--------------|----------------|
| | 1982-83 | 1983-84 | % increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | 0.04 | 0.04 | .. |
| Jammu & Kashmir | 0.07 | .. | .. |
| Punjab | 0.12 | .. | .. |
| Rajasthan | 0.6 | 0.06 | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | 0.05 | 0.09 | 80.00 |
| Delhi | 1.30 | 0.09 | (-)592.31 |
| Central Sector | .. | .. | .. |
| Sub-Total | 1.64 | 0.28 | (-)1,707.31 |
| Gujarat | 0.09 | 0.09 | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| D & N Hevelli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 0.09 | 0.09 | .. |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | .. | .. | .. |
| Lakshadweep | 2.20 | 3.04 | 38.18 |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 2.20 | 3.04 | 38.18 |
| Bihar | 0.76 | 0.75 | (-)1.32 |
| Orissa | .. | .. | .. |
| West Bengal | 4.95 | 4.01 | (-)18.99 |
| D.V.C. | .. | .. | .. |
| A & N Island | 10.78 | 13.83 | 28.29 |
| Sikkim | 2.99 | 0.11 | (-)267.89 |
| Central Sector | .. | .. | .. |
| Sub-Total | 19.48 | 18.70 | (-)4.01 |
| Assam | .. | .. | .. |
| Manipur | 10.81 | 8.82 | (-)18.41 |
| Meghalaya | 0.59 | .. | .. |
| Nagaland | 0.31 | 0.17 | (-)45.16 |
| Tripura | 1.36 | 1.30 | (-)4.42 |
| Arunachal Pradesh | 2.32 | 3.10 | 33.62 |
| Mizoram | 5.66 | 7.55 | 33.39 |
| Central Sector | .. | .. | .. |
| Sub-Total | 21.05 | 20.94 | (-)0.52 |
| TOTAL (ALL INDIA) | 44.46 | 43.05 | (-)3.17 |

TABLE NO. 23 (Contd.)

| State/U.Ts. | Gas | | |
|--------------------------|-----------------|-----------------|--------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Gujarat | 83.71 | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | 1,061.68 | 1,594.52 | 50.19 |
| Dadra & Nagar Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 1,145.39 | 1,594.52 | 50.19 |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamilnadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | 212.41 | 71.14 | (-)66.51 |
| D.V.C. | .. | .. | .. |
| A & N Island | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 212.41 | 71.14 | (-)66.51 |
| Assam | 552.19 | 533.03 | (-)3.47 |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 552.19 | 533.03 | (-)3.47 |
| TOTAL (ALL INDIA) | 1,909.99 | 2,198.69 | 15.12 |

TABLE NO. 23 (Contd.)

| State/Uts. | Nuclear | | |
|------------------------------------|-----------------|-----------------|---------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Central Sector | 551.64 | 1,244.01 | 125.51 |
| Sub-Total | 551.64 | 1,244.01 | 125.51 |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| D & N Havelli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | 1,470.30 | 1,857.05 | 26.30 |
| Sub-Total | 1,470.30 | 1,857.05 | 26.30 |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | 445.00 | .. |
| Sub-Total | .. | 445.00 | .. |
| Bihar | .. | .. | .. |
| Orissa | .. | .. | .. |
| West Bengal | .. | .. | .. |
| D.V.C. | .. | .. | .. |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Assam | .. | .. | .. |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| TOTAL (ALL-INDIA) | 2,021.94 | 3,546.06 | 75.38 |

Note :—Generation of jointly owned projects have been shown divided between partner states as per their theoretical share.

TABLE NO. 24

Gross energy Generation by State Electricity Boards Primemoverwise during 1982-84

(GWH)

| Region | Name of the Board | Total | | |
|------------------------|--------------------------|-----------|-------------|------------|
| | | 1982-83 | 1983-84 | % Increase |
| NORTHERN REGION | Haryana | 4,910.57 | 4,916.79 | 10.13 |
| | Himachal Pradesh | 541.46 | 586.60 | 8.34 |
| | Jammu & Kashmir | 939.03 | 892.59 | (-)4.95 |
| | Punjab | 7,776.64 | 8,383.44 | 7.80 |
| | Rajasthan | 3,597.02 | 4,448.53 | 23.67 |
| | Uttar Pradesh | 12,585.14 | 11,683.25 | 7.17 |
| Sub-Total | | 30,349.86 | 30,911.20 | 1.85 |
| WESTERN REGION | Gujarat | 8,958.80 | 10,198.06 | 13.83 |
| | Madhya Pradesh | 7,680.98 | 8,132.88 | 5.88 |
| | Maharashtra | 16,722.36 | 18,151.68 | 8.55 |
| | Sub-Total | 33,362.14 | 36,482.62 | 9.35 |
| SOUTHERN REGION | Andhra Pradesh | 9,619.50 | 10,377.40 | 7.88 |
| | Karnataka | 2,589.98 | 910.95 | (-)64.83 |
| | Kerala | 4,487.73 | 3,643.39 | (-)18.82 |
| | Tamil Nadu | 7,382.37 | 6,940.98 | (-)5.98 |
| | Sub-Total | 24,079.58 | 21,872.72 | (-)9.16 |
| EASTERN REGION | Bihar | 2,753.30 | 2,458.80 | (-)10.70 |
| | Orissa | 2,994.90 | 3,659.18 | 22.18 |
| | West Bengal | 3,286.00 | 3,458.96 | 5.26 |
| | Sub-Total | 9,034.20 | 9,576.94 | 6.01 |
| NORTH EASTERN REGION | Assam | 896.24 | 967.70 | 7.97 |
| | Meghalaya | 406.04 | 414.68 | 2.13 |
| | Sub-Total | 1,302.28 | 1,382.38 | 6.15 |
| TOTAL (ALL BOARDS) . . | | 98,128.06 | 1,00,225.86 | 2.15 |

TABLE NO. 24 (Contd.)

| Name of the Board | Hydro | | |
|-------------------------------------|------------------|------------------|----------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | 3,412.56 | 3,515.42 | 3.01 |
| Himachal Pradesh | 541.42 | 586.56 | 8.33 |
| Jammu & Kashmir | 934.29 | 889.54 | (-)4.79 |
| Punjab | 5,809.94 | 6,179.46 | 6.36 |
| Rajasthan | 2,841.16 | 2,980.84 | 4.92 |
| Uttar Pradesh | 4,175.46 | 4,020.12 | (-)3.72 |
| Sub-Total | 17,714.83 | 18,171.94 | 2.58 |
| Gujarat | 410.43 | 1,090.71 | 165.75 |
| Madhya Pradesh | 417.03 | 469.79 | 12.65 |
| Maharashtra | 4,478.02 | 4,726.56 | 5.55 |
| Sub-Total | 5,305.48 | 6,287.06 | 18.50 |
| Andhra Pradesh | 4,057.10 | 4,468.10 | 10.13 |
| Karnataka | 2,589.98 | 910.95 | .. |
| Kerala | 4,487.73 | 3,643.39 | (-)18.82 |
| Tamil Nadu | 3,344.80 | 2,960.11 | (-)11.50 |
| Sub-Total | 14,479.61 | 11,982.55 | (-)17.25 |
| Bihar | 142.13 | 186.63 | 31.31 |
| Orissa | 1,968.41 | 2,390.56 | 21.45 |
| West Bengal | 92.45 | 111.69 | 20.81 |
| Sub-Total | 2,202.99 | 2,688.88 | 22.05 |
| Assam | .. | .. | .. |
| Meghalaya | 405.45 | 414.68 | 2.28 |
| Sub-Total | 405.45 | 414.68 | 2.28 |
| TOTAL (ALL BOARDS) | 40,108.36 | 39,545.11 | (-)1.40 |

Note :— The generation is less as compared to previous year due to exclusion of power projects which are under Karnataka Power Corporation i.e. a Govt. Deptt. Their generation has been indicated in the respective table.

TABLE NO. 24 (Contd.)

(GWH)

| Name of the Board | Steam | | |
|-------------------------------------|------------------|------------------|-------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | 1,498.01 | 1,401.37 | (-)6.45 |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | 4.67 | 3.05 | (-)34.69 |
| Punjab | 1,966.58 | 2,203.98 | 12.07 |
| Rajasthan | 755.80 | 1,467.63 | 94.18 |
| Uttar Pradesh | 8,409.68 | 7,663.13 | (-)8.88 |
| Sub-Total | 12,634.74 | 12,739.16 | 0.83 |
| Gujarat | 8,464.66 | 9,107.35 | 7.59 |
| Madhya Pradesh | 7,263.95 | 7,663.09 | 5.49 |
| Maharashtra | 11,182.66 | 11,830.60 | 5.79 |
| Sub-Total | 26,911.27 | 28,601.04 | 6.28 |
| Andhra Pradesh | 5,562.40 | 5,909.30 | 6.24 |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | 4,037.57 | 3,980.87 | (-)1.40 |
| Sub-Total | 9,599.97 | 9,890.17 | 3.02 |
| Bihar | 3,610.41 | 2,271.42 | (-)12.99 |
| Orissa | 1,026.49 | 1,268.62 | 23.59 |
| West Bengal | 2,976.31 | 3,272.24 | 9.94 |
| Sub-Total | 6,613.21 | 6,812.28 | 3.01 |
| Assam | 344.05 | 434.67 | 26.34 |
| Meghalaya | .. | .. | .. |
| Sub-Total | 344.05 | 434.67 | 26.34 |
| TOTAL (ALL BOARDS) | 56,103.24 | 58,477.32 | 4.23 |

TABLE NO. 24—(Contd.)

| Name of the Board | Diesel | | |
|-------------------------------------|-------------|-------------|-----------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | 0.04 | 0.04 | .. |
| Jammu & Kashmir | 0.07 | .. | .. |
| Punjab | 0.12 | .. | .. |
| Rajasthan | 0.06 | 0.06 | .. |
| Uttar Pradesh | .. | .. | .. |
| Sub-Total | 0.29 | 0.10 | (—)243.17 |
| Gujarat | .. | .. | .. |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Bihar | 0.76 | 0.75 | (—)1.32 |
| Orissa | .. | .. | .. |
| West Bengal | 4.83 | 3.89 | (—)19.46 |
| Sub-Total | 5.59 | 4.64 | (—)17.00 |
| Assam | .. | .. | .. |
| Meghalaya | 0.59 | .. | .. |
| Sub-Total | 0.59 | .. | .. |
| TOTAL (ALL BOARDS) | 6.47 | 4.74 | (—)26.74 |

TABLE NO. 24 (Contd.)

| Name of the Board | Gas | | |
|-------------------------------------|-----------------|-----------------|--------------|
| | 1982-83 | 1983-84 | % Increase |
| Haryana | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | .. | .. | .. |
| Uttar Pradesh | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Gujarat | 83.71 | .. | .. |
| Madhya Pradesh | 1,061.68 | 1,594.52 | 50.19 |
| Sub-Total | 1,145.39 | 1,594.52 | 39.21 |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Sub-Total | .. | .. | .. |
| Bihar | .. | .. | .. |
| Orissa | 212.41 | 71.14 | (-)234.08 |
| West Bengal | 212.41 | 71.14 | 18.84 |
| Sub-Total | 552.19 | 533.03 | (-)3.47 |
| Assam | 552.19 | 533.03 | (-)3.47 |
| Meghalaya | .. | .. | .. |
| Sub-Total | 552.19 | 533.03 | (-)3.47 |
| TOTAL (ALL BOARDS) | 1,909.99 | 2,198.69 | 15.12 |

Note :—There is no nuclear power station under any state electricity board.

TABLE NO. 25

Gross Energy Generation by Electricity Deptt. Govt. undertakings, Central Sector, Municipalities and Private Sector-Primemoverwise/Regionwise During 1983-84

(GHW)

| Region | Ownership | Total | | |
|--|-------------------------------|------------------|------------------|----------------|
| | | 1982-83 | 1983-84 | % Increase |
| I. Electricity Deptt./ Govt. Undertakings / Corpn. / Central Sector | | | | |
| NORTHERN REGION | Chandigarh | 0.05 | 0.09 | 80.00 |
| | Central Sector | 5,649.52 | 8,368.43 | 48.13 |
| WESTERN REGION | Central Sector | 1,591.04 | 3,342.20 | 110.06 |
| SOUTHERN REGION | Andhra Pradesh | 635.55 | 634.70 | (-)0.13 |
| | Karnataka | 5,131.45 | 6,913.02 | 34.72 |
| | Lakshadweep | 2.20 | 3.04 | 38.18 |
| | Central Sector | 3,832.70 | 4,553.56 | 18.81 |
| EASTERN REGION | Bihar | .. | .. | .. |
| | Orissa | 189.82 | 196.57 | 3.56 |
| | West Bengal | 882.36 | 745.12 | (-)15.55 |
| | D.V.C. | 6,008.48 | 6,336.60 | 5.46 |
| | A & N Islands | 12.35 | 14.35 | 16.19 |
| | Sikkim | 25.43 | 27.78 | 9.24 |
| | Central Sector | .. | .. | .. |
| NORTH EASTERN REGION | Manipur | 12.60 | 9.61 | (-)23.73 |
| | Nagaland | 1.18 | 0.76 | (-)36.59 |
| | Tripura | 53.42 | 54.06 | 1.20 |
| | Arunachal Pradesh | 20.14 | 22.14 | 9.93 |
| | Mizoram | 5.66 | 7.55 | 33.39 |
| | Central Sector | .. | 31.00 | .. |
| | Total (I) | 24,053.95 | 31,260.58 | 29.96 |
| NORTHERN REGION | II. Municipalities | | | |
| | Delhi | 1,077.39 | 1,037.29 | (-)3.73 |
| WESTERN REGION | Gujarat | .. | .. | .. |
| EASTERN REGION | West Bengal | .. | .. | .. |
| | Total (II) | 1,077.39 | 1,037.29 | (-)3.73 |
| WESTERN REGION | III. Private Licensees | | | |
| | Gujarat | 1,818.76 | 1,800.39 | (-)1.01 |
| | Maharashtra | 3,416.00 | 3,760.00 | 10.07 |
| EASTERN REGION | West Bengal | 1,769.42 | 2,093.24 | 18.30 |
| | TOTAL (III) | 7,004.18 | 7,653.63 | 9.27 |

TABLE 25 (Contd.)

| OWNERSHIP | Hydro | | | % Increase |
|---|------------------------------|-----------------|-----------------|--------------|
| | 1982-83 | 1983-84 | | |
| I. Electricity Undertakings/ Dep'tt./ Govt. Sector | | | | |
| NORTHERN REGION | Chandigarh | .. | .. | .. |
| | Central Sector | 821.03 | 849.48 | 3.47 |
| WESTERN REGION | Central Sector | .. | .. | .. |
| SOUTHERN REGION | Andhra Pradesh | 635.55 | 634.70 | (-)0.13 |
| | Karnataka | 5,131.45 | 6,913.02 | 34.72 |
| | Lakshadweep | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| EASTERN REGION | Bihar | .. | .. | .. |
| | Orissa | 189.82 | 196.57 | 3.56 |
| | West Bengal | .. | .. | .. |
| | D.V.C. | 147.19 | 232.54 | 57.99 |
| | A & N Islands | .. | .. | .. |
| | Sikkim | 22.44 | 27.67 | 23.31 |
| | Central Sector | .. | .. | .. |
| NORTH EASTERN REGION | Manipur | 1.79 | 0.79 | (-)53.87 |
| | Nagaland | 0.87 | 0.59 | (-)22.19 |
| | Tripura | 52.06 | 52.76 | 1.34 |
| | Arunachal Pradesh | 17.82 | 19.04 | 6.85 |
| | Mizoram | .. | .. | .. |
| | Central Sector | .. | 31.00 | .. |
| | Total (I) | 7,020.02 | 8,958.16 | 27.61 |
| II. Municipalities | | | | |
| NORTHERN REGION | Delhi | .. | .. | .. |
| | Total (II) | .. | .. | .. |
| III. Private Licencees | | | | |
| WESTERN REGION | Gujarat | .. | .. | .. |
| | Maharashtra | 1,245.00 | 1,451.00 | 16.55 |
| EASTERN REGION | West Bengal | .. | .. | .. |
| | TOTAL (III) | 1,245.00 | 1,451.00 | 16.55 |

TABLE 25 (Concl'd.)

| Region | Ownership | Steam | | |
|----------------------|--|-----------|-----------|------------|
| | | 1982-83 | 1983-84 | % Increase |
| NORTHERN REGION | I. Electricity Deptt., Govt. Undertakings & Corpn., Central Sector | | | |
| | Chandigarh | 4,276.85 | 6,274.94 | 46.72 |
| WESTERN REGION | Central Sector | 120.74 | 1,485.15 | 1,130.04 |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. |
| | Karnataka | .. | .. | .. |
| | Lakshadweep | .. | .. | .. |
| | Central Sector | 3,832.70 | 4,108.56 | 7.20 |
| EASTERN REGION | Bihar | .. | .. | .. |
| | Orissa | .. | .. | .. |
| | West Bengal | 882.36 | 745.12 | (-)15.55 |
| | D.V.C. | 5,861.29 | 6,104.06 | 4.14 |
| | A & N. Islands | 1.57 | 0.52 | (-)66.88 |
| | Sikkim | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| NORTH EASTERN REGION | Manipur | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh. | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| | Total (I) | 14,975.51 | 18,718.35 | 24.99 |
| NORTHERN REGION | II. Municipalities | | | |
| | Delhi | 1,076.09 | 1,037.20 | (-)3.62 |
| | Total (II) | 1,076.09 | 1,037.20 | (-)3.62 |
| WESTERN REGION | III. Private Sector | | | |
| | Gujarat | 1,818.67 | 1,800.30 | (-)1.01 |
| EASTERN REGION | Maharashtra | 2,171.00 | 2,309.00 | 6.36 |
| | West Bengal | 1,769.30 | 2,093.12 | 18.30 |
| | TOTAL (III) | 5,758.97 | 6,202.42 | 7.70 |

TABLE 25 (Contd.)

| Region | Ownership | DIESEL | | |
|--|-------------------------|--------------|--------------|------------------|
| | | 1982-83 | 1983-84 | % Increase |
| I. Elecy. Deptt. Govt. Undertakings / Corpn./Central Sector | | | | |
| NORTHERN REGION | Chandigarh . . . | 0·05 | 0·09 | 80·00 |
| | Central Sector . . . | .. | .. | .. |
| WESTERN REGION | Central Sector . . . | .. | .. | .. |
| SOUTHERN REGION | Andhra Pradesh . . . | .. | .. | .. |
| | Karnataka . . . | .. | .. | .. |
| | Lakshadweep . . . | 2·20 | 3·04 | 38·18 |
| | Central Sector . . . | .. | .. | .. |
| EASTERN REGION | Bihar . . . | .. | .. | .. |
| | Orissa . . . | .. | .. | .. |
| | West Bengal . . . | .. | .. | .. |
| | D.V.C. . . | .. | .. | .. |
| | A & N Islands . . . | 10·78 | 13·83 | 28·29 |
| | Sikkim . . . | 2·99 | 0·11 | 267·89 |
| NORTH EASTERN REGION | Central Sector . . . | .. | .. | .. |
| | Manipur . . . | 10·81 | 8·82 | (-)18·41 |
| | Nagaland . . . | 0·31 | 0·17 | (-)45·16 |
| | Tripura . . . | 1·36 | 1·30 | (-)4·42 |
| | Arunachal Pradesh . . . | 2·32 | 3·10 | 33·62 |
| | Mizoram . . . | 5·66 | 7·55 | 33·39 |
| Total (I) . . . | | 36·48 | 38·01 | 4·19 |
| II. Municipalities | | | | |
| NORTHERN REGION | Delhi . . . | 1·30 | 0·09 | (-)592·31 |
| | Gujarat . . . | .. | .. | .. |
| WESTERN REGION | West Bengal . . . | .. | .. | .. |
| EASTERN REGION | | | | |
| Total (II) . . . | | 1·30 | 0·09 | (-)592·31 |
| III. Private Sector | | | | |
| WESTERN REGION | Gujarat . . . | 0·09 | 0·09 | .. |
| | Maharashtra . . . | .. | .. | .. |
| EASTERN REGION | West Bengal . . . | 0·12 | 0·12 | .. |
| Total (III) . . . | | 0·21 | 0·21 | .. |

TABLE 25 (Concl.)

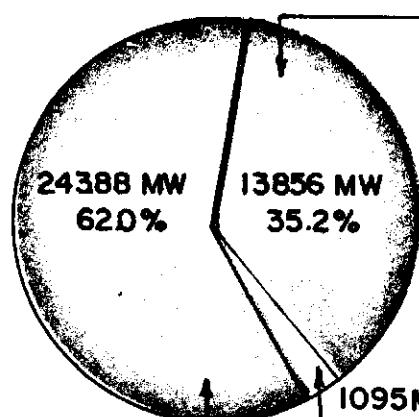
| Region | Ownership | NUCLEAR | | |
|--|------------------------------|-----------------|-----------------|--------------|
| | | 1982-83 | 1983-84 | % Increase |
| I. Electy. Deptt. / Govt. Under-takings / Corpn. / Central Sector | | | | |
| NORTHERN REGION | Chandigarh | .. | | |
| | Central Sector | 551.64 | 1,244.01 | 125.51 |
| WESTERN REGION | Central Sector | 1,470.30 | 1,857.05 | 26.30 |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. |
| | Karnataka | .. | .. | .. |
| | Lakshadweep | .. | .. | .. |
| | Central Sector | .. | 445.00 | .. |
| EASTERN REGION | Bihar | .. | .. | .. |
| | Orissa | .. | .. | .. |
| | West Bengal | .. | .. | .. |
| | D.V.C. | .. | .. | .. |
| | A & N Islands | .. | .. | .. |
| | Sikkim | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| NORTH EASTERN REGION | Manipur | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| | Central Sector | .. | .. | .. |
| | Total (I) | 2,021.94 | 3,546.06 | 75.38 |
| II. Municipalities | | | | |
| NORTHERN REGION | Delhi | .. | .. | .. |
| WESTERN REGION | Gujarat | .. | .. | .. |
| EASTERN REGION | West Bengal | .. | .. | .. |
| | Total (II) | .. | .. | .. |
| III. Private Sector | | | | |
| WESTERN REGION | Gujarat | .. | .. | .. |
| | Maharashtra | .. | .. | .. |
| EASTERN REGION | West Bengal | .. | .. | .. |
| | Total (III) | .. | .. | .. |

TABLE NO. 26
Classification of Undertakings* Generationwise - 1983-84

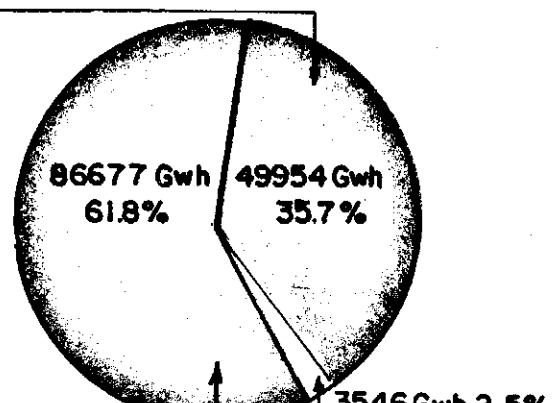
* Generating Neg.—Negligible

**INSTALLED GENERATING CAPACITY & ELECTRICITY GENERATION
(UTILITIES)
1983-84**

**INSTALLED CAPACITY
(39339 MW)**



**ELECTRICITY GENERATION
GROSS (140177 Gwh)**



SECTION IV

Captive Plants

CAPTIVE PLANTS

As in previous years industrial sector continued to be the largest constituent of energy consumption. Besides generation by utilities, a number of industries representing primary production of infrastructure materials such as iron and steel, aluminium, cement, paper, fertilizers etc. have their own captive plants to supplement purchase from utilities or for emergency use in case of power cut or producing energy as by product of industrial process.

Based on data received from 3058 industrial units (Units having their own captive plants with capacity of more than 100 KW or contract demand of more than 500 KVA) it is observed that, each category of industry viz. aluminium, cement, chemicals, fertilizers, iron & steel, non-ferrous, paper and textiles consumed more than 1500 GWH during 1983-84 details of which are enumerated below :

| Sl. No. | Category | Number of Indus- tries covered | Energy Consumption (GWH) | | %increase/decrease |
|---------------------|----------|--------------------------------------|--------------------------|------------------|--------------------|
| | | | 1983-84 | 1982-83 | |
| 1. Aluminium (P) | . | 7 | 4,405.37 | 3,923.45 | 12.28 |
| 2. Cement (P) | . | 63 | 2,744.23 | 2,215.36 | 23.87 |
| 3. Chemicals | . | 262 | 4,720.06 | 4,718.70 | 0.03 |
| 4. Fertilizers | . | 32 | 5,086.09 | 4,703.45 | 8.14 |
| 5. Iron & Steel (P) | . | 16 | 4,841.89 | 4,421.92 | 9.50 |
| 6. Iron & Steel (S) | . | 234 | 1,799.68 | 1,585.46 | 13.51 |
| 7. Non-Ferrous | . | 36 | 2,252.84 | 1,715.85 | 31.30 |
| 8. Paper | . | 99 | 2,143.53 | 2,199.42 | (--)2.54 |
| 9. Textiles | . | 625 | 6,931.80 | 5,909.43 | 17.30 |
| TOTAL | . | 1,374 | 34,925.49 | 31,393.04 | 11.25 |

NOTE : (P) Primary

It is significant from the above table that nearly 78.49% of the total consumption 44498.06 GWH by industries is accounted for by mere 1374 industries out of the above major categories.

Out of 3058 industrial units covered 1763 industrial units have captive plants which generated 10769.02 GWH of Electricity Eight Industrial categories viz. Aluminium (Primary), Mineral Oil and Petroleum, Paper, Sugar, Textiles and Chemicals generated 9204.71 GHW in aggregate by generating more than 600 GWH by each of the above category, detail of which are given below :

| Name of Industry | Energy Generation (GWH) |
|-------------------------|-------------------------|
| Aluminium (P) | 1,849.31 |
| Chemical | 736.80 |
| Fertilizers | 723.86 |
| Iron & Steel (P) | 2,133.02 |
| Mineral Oil & Petroleum | 816.28 |
| Paper | 741.76 |
| Sugar | 1,052.12 |
| Textile | 1,151.56 |
| TOTAL | 9,204.71 |

Nearly 85.47% of the captive generation is accounted for by these eight categories of industries.

Apart from industrial captive plants, railways have also got captive generating sets which are mainly used as stand by and for emergency purposes. Total capacity of captive plants of Railways during 1983-84 was 68526 KW and 47.62 GHW were generated by these plants.

Various tables in this section give the detailed salient features of captive plants in the country.

TABLE NO. 27

Installed generating capacity of selected industries regionwise/statewise as on 31st March, 1984

(In KW)

| Region | State/UTs. | Aluminium (P) | Aluminium (S) | Automobiles |
|-----------------------------|-----------------------------|------------------|---------------|---------------|
| NORTHERN REGION | Haryana | .. | 1,311 | 2,256 |
| | Himachal Pradesh | .. | .. | .. |
| | Jammu & Kashmir | .. | .. | .. |
| | Punjab | .. | .. | 2,990 |
| | Rajasthan | .. | 1,162 | 632 |
| | Uttar Pradesh | 2,70,000 | .. | .. |
| | Chandigarh | .. | .. | .. |
| | Delhi | .. | .. | .. |
| Sub-Total | | 2,70,000 | 2,473 | 5,878 |
| WESTERN REGION | Gujarat | .. | .. | .. |
| | Madhya Pradesh | .. | .. | 320 |
| | Maharashtra | .. | 1,648 | 7,908 |
| | Goa, Daman & Diu | .. | .. | .. |
| | D & N Haveli | .. | .. | .. |
| Sub-Total | | .. | 1,648 | 8,228 |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. |
| | Karnataka | .. | 595 | 6,088 |
| | Kerala | .. | 400 | .. |
| | Tamil Nadu | .. | 456 | 12,365 |
| | Pondicherry | .. | .. | .. |
| | Lakshadweep | .. | .. | .. |
| Sub-Total | | .. | 1,451 | 18,453 |
| EASTERN REGION | Bihar | .. | 6,675 | .. |
| | Orissa | .. | 210 | .. |
| | West Bengal | .. | 988 | 6,944 |
| | A & N Islands | .. | .. | .. |
| | Sikkim | .. | .. | .. |
| Sub-Total | | .. | 7,873 | 6,944 |
| NORTH EASTERN REGION | Assam | .. | .. | .. |
| | Manipur | .. | .. | .. |
| | Meghalaya | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| Sub-Total | | .. | .. | .. |
| Total (All India) | | 2,70,000* | 13,445 | 39,503 |

*This does not include 18450 KW capacity of Indian Aluminium Co. in West Bengal which is lying closed.

TABLE NO. 27—(Contd.)

| State/U.Ts. | Cement(P) | Cement(S) | Chemicals | Collieries |
|------------------------------------|-----------------|---------------|-----------------|---------------|
| Haryana | 3,360 | 6,028 | 1,960 | .. |
| Himachal Pradesh | .. | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | .. | .. | 1,401 | .. |
| Rajasthan | 58,514 | 1,236 | 10,386 | .. |
| Uttar Pradesh | 1,317 | .. | 16,686 | .. |
| Chandigarh | .. | .. | 1,490 | .. |
| Delhi | .. | .. | 27,500 | .. |
| Sub-Total | 63,191 | 7,264 | 59,423 | .. |
| Gujarat | 16,175 | 496 | 97,561 | .. |
| Madhya Pradesh | 34,850 | 3,986 | 3,792 | 3,600 |
| Maharashtra | .. | 1,919 | 60,822* | .. |
| Goa, Daman & Diu | .. | .. | 7,500 | .. |
| D & N Haveli | .. | .. | .. | .. |
| Sub-Total | 51,025 | 6,401 | 1,69,675 | 3,600 |
| Andhra Pradesh | 1,580 | .. | 4,887 | 40,700 |
| Karnataka | 69,200 | .. | 3,521 | .. |
| Kerala | .. | .. | 1,721 | .. |
| Tamil Nadu | 21,787 | 3,392 | 11,274 | .. |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 92,567 | 3,392 | 21,403 | 40,700 |
| Bihar | 18,808 | 744 | .. | 31,000 |
| Orissa | .. | 1,300 | 160 | .. |
| West Bengal | 688 | 1,232 | 15,703 | .. |
| A & N Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 19,496 | 3,276 | 15,863 | 31,000 |
| Assam | .. | 390 | 906 | 1,019 |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | 390 | 906 | 1,019 |
| TOTAL (ALL INDIA) | 2,26,279 | 20,723 | 2,67,270 | 76,319 |

*10000 KW installed capacity of Nocil industry has been taken out on account of non-availability of Gas.

TABLE NO. 27—(Contd.)

| State/UTs. | Elec. Engg. | Fertilizers | Food Product | Heavy Engineering |
|----------------------------------|---------------|-----------------|---------------|-------------------|
| Haryana | 7,049 | 1,500 | 664 | .. |
| Himachal Pradesh | .. | .. | 100 | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | 1,500 | 1,500 | 7,478 | .. |
| Rajasthan | 1,355 | 45,660 | 2,878 | 2,384 |
| Uttar Pradesh | 21,480 | 12,500 | 5,111 | 4,999 |
| Chandigarh | 212 | .. | .. | .. |
| Delhi | 832 | .. | 765 | .. |
| Sub-Total | 32,428 | 61,160 | 16,996 | 7,383 |
| Gujarat | 2,052 | 883 | 646 | .. |
| Madhya Pradesh | 4,574 | .. | 1,636 | .. |
| Maharashtra | 14,688 | 18,378 | 3,596 | 11,832 |
| Goa, Daman & Diu | .. | .. | .. | .. |
| D & N Haveli | .. | .. | .. | .. |
| Sub-Total | 21,314 | 19,261 | 5,877 | 11,832 |
| Andhra Pradesh | 1,956 | 5,344 | 9,443 | 1,356 |
| Karnataka | 19,536 | .. | 1,656 | 6,380 |
| Kerala | 56 | 15,950 | 3,007 | .. |
| Tamil Nadu | 4,734 | 3,500 | 5,927 | 6,300 |
| Pondicherry | .. | .. | 160 | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 26,282 | 24,774 | 20,103 | 14,036 |
| Bihar | 2,060 | 81,780 | 800 | 15,000 |
| Orissa | .. | .. | .. | 320 |
| West Bengal | 9,482 | 40,000 | 17,859 | 13,437 |
| A & N Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 11,542 | 1,21,780 | 18,659 | 28,757 |
| Assam | .. | 1,750 | 1,737 | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | 1,750 | 1,737 | .. |
| TOTAL (ALL INDIA) | 91,566 | 2,28,745 | 63,462 | 62,008 |

TABLE NO. 27—(Contd.)

| State/UTs. | Iron & Steel(P) | Iron & Steel(S) | Jute | Light Engineering |
|------------------------------------|-----------------|-----------------|-----------------|-------------------|
| Haryana | .. | 7,848 | .. | 11,468 |
| Himachal Pradesh | .. | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | 665 |
| Punjab | .. | 1,859 | .. | 10,623 |
| Rajasthan | .. | 2,233 | 232 | 17,411 |
| Uttar Pradesh | .. | 3,313 | 2,582 | 6,050 |
| Chandigarh | .. | .. | .. | 20 |
| Delhi | .. | 412 | .. | .. |
| Sub-Total | .. | 15,665 | 2,814 | 46,237 |
| Gujarat | .. | 7,456 | .. | 2,756 |
| Madhya Pradesh | 96,000 | 880 | .. | 225 |
| Maharashtra | .. | 8,974 | .. | 22,148 |
| Goa, Daman & Diu | .. | .. | .. | .. |
| D & N Haveli | .. | .. | .. | .. |
| Sub-Total | 96,000 | 17,310 | .. | 25,129 |
| Andhra Pradesh | .. | 260 | 7,904 | .. |
| Karnataka | 1,760 | .. | .. | 8,546 |
| Kerala | .. | 200 | .. | 779 |
| Tamil Nadu | 1,488 | 8,998 | .. | 31,442 |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 3,248 | 9,458 | 7,904 | 40,767 |
| Bihar | 2,88,000 | 8,998 | 7,830 | .. |
| Orissa | 1,40,150 | 500 | .. | .. |
| West Bengal | 80,000 | 1,324 | 1,40,813 | 5,198 |
| A & N Island | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 5,08,150 | 10,822 | 1,48,643 | 5,198 |
| Assam | .. | .. | 150 | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | .. | 150 | .. |
| TOTAL (ALL INDIA) | 6,07,398 | 53,255 | 1,59,511 | 1,17,331 |

TABLE NO. 27—(Contd.)

| State/UTs. | Mineral oil & petroleum | Mining & Quarrying | Miscellaneous | Non-Ferrous | Paper |
|------------------------------------|-------------------------|--------------------|---------------|---------------|-----------------|
| Haryana | 204 | .. | 10,882 | 480 | 9,875 |
| Himachal Pradesh | .. | .. | 488 | .. | .. |
| Jammu & Kashmir | .. | .. | .. | .. | .. |
| Punjab | .. | .. | 2,446 | .. | 2,150 |
| Rajasthan | 400 | 135 | 2,369 | 41,790 | .. |
| Uttar Pradesh | 37,500 | .. | 9,338 | .. | 10,840 |
| Chandigarh | .. | .. | 368 | .. | .. |
| Delhi | .. | .. | .. | .. | .. |
| Sub-Total | 38,104 | 135 | 25,891 | 42,270 | 22,865 |
| Gujarat | 37,644 | 200 | 2,858 | 1,400 | 6,000 |
| Madhya Pradesh | .. | .. | 5,066 | 1,585 | 33,000 |
| Maharashtra | .. | .. | 13,613 | 1,171 | 9,883 |
| Goa, Daman & Diu | .. | 460 | 1,058 | .. | .. |
| D. & N. Haveli | .. | .. | .. | .. | .. |
| Sub-Total | 37,644 | 660 | 22,585 | 4,156 | 48,883 |
| Bihar | 24,000 | .. | 600 | 17,580 | 16,032 |
| Orissa | .. | .. | .. | 610 | 18,200 |
| West Bengal | 31,676 | .. | 12,631 | .. | 35,106 |
| A. & N. Islands | .. | .. | 590 | .. | .. |
| Sikkim | .. | .. | .. | .. | .. |
| Sub-Total | 55,676 | .. | 13,821 | 18,190 | 69,338 |
| Andhra Pradesh | .. | 245 | 5,326 | 6,004 | 50,780 |
| Karnataka | .. | .. | 2,400 | 6,990 | 38,123 |
| Kerala | 70 | 480 | 712 | .. | 15,180 |
| Tamil Nadu | 22,400 | 1,184 | 15,649 | .. | 9,282 |
| Pondicherry | .. | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. | .. |
| Sub-Total | 22,470 | 1,909 | 24,087 | 12,994 | 1,13,365 |
| Assam | 89,302 | .. | 755 | .. | 8,300 |
| Manipur | .. | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. |
| Sub-Total | 89,302 | .. | 755 | .. | 8,300 |
| TOTAL (ALL INDIA) | 2,43,196 | 2,704 | 87,139 | 77,610 | 2,62,751 |

TABLE NO. 27—(Concl'd.)

| State/UTs. | Plastic | Rubber | Sugar | Textile | Total |
|------------------------------------|--------------|---------------|-----------------|-----------------|------------------|
| Haryana | .. | 10,573 | 9,290 | 20,050 | 1,04,798 |
| Himachal Pradesh | .. | .. | .. | .. | 588 |
| Jammu & Kashmir | .. | .. | .. | .. | 665 |
| Punjab | .. | .. | 5,956 | 17,480 | 55,383 |
| Rajasthan | .. | 17,694 | 2,680 | 64,124 | 2,73,275 |
| Uttar Pradesh | .. | 11,846 | 1,55,615 | 49,582 | 6,18,759 |
| Chandigarh | .. | .. | .. | .. | 2,090 |
| Delhi | .. | .. | .. | 13,388 | 42,897 |
| Sub-Total | .. | 40,113 | 1,73,341 | 1,64,624 | 10,98,455 |
| Gujarat | .. | .. | 38,111 | 1,22,732 | 3,36,960 |
| Madhya Pradesh | .. | .. | 9,241 | 68,002 | 2,66,757 |
| Maharashtra | 1,272 | 5,704 | 1,41,241 | 9,67,80 | 4,21,576 |
| Goa, Daman & Diu | .. | .. | .. | 850 | 9,868 |
| D. & N. Haveli | .. | .. | .. | .. | .. |
| Sub-Total | 1,272 | 5,704 | 1,88,593 | 2,88,364 | 10,35,161 |
| Bihar | .. | .. | 27,774 | 1,184 | 5,48,865 |
| Orissa | .. | .. | 1,237 | 2,000 | 1,64,687 |
| West Bengal | .. | 7,560 | 778 | 21,982 | 4,43,401 |
| A. & N. Islands | .. | .. | .. | .. | 590 |
| Sikkim | .. | .. | .. | .. | .. |
| Sub-Total | .. | 7,560 | 29,789 | 25,166 | 11,57,543 |
| Andhra Pradesh | 2,970 | 1,537 | 55,242 | 16,485 | 2,12,019 |
| Karnataka | .. | 228 | 41,865 | 18,395 | 2,25,283 |
| Kerala | .. | 1,064 | 7,250 | 16,602 | 63,471 |
| Tamil Nadu | 2,610 | 18,696 | 51,609 | 1,57,591 | 3,90,714 |
| Pondicherry | .. | .. | 3,988 | 2,198 | 6,346 |
| Lakshadweep | .. | .. | .. | .. | .. |
| Sub-Total | 5,610 | 21,525 | 1,59,954 | 2,11,271 | 8,97,833 |
| Assam | .. | .. | 2,567 | 800 | 1,07,676 |
| Manipur | .. | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. | .. |
| Nagaland | .. | .. | 1,500 | .. | 1,500 |
| Tripura | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. |
| Sub-Total | .. | .. | 4,067 | 800 | 1,09,176 |
| TOTAL (ALL INDIA) | 6,882 | 74,902 | 5,55,944 | 6,90,225 | 42,98,168 |

TABLE NO. 28
Gross electricity generation by selected industries regionwise/statewise during 1983-84.

(GWH)

| Region | State/UTs. | Aluminium(P) | Aluminium (S) | Automobiles |
|----------------------------|-----------------------------|-----------------|---------------|--------------|
| NORTHERN REGION | Haryana | .. | 0.26 | 2.94 |
| | Himachal Pradesh . . . | .. | .. | .. |
| | Jammu & Kashmir . . . | .. | .. | .. |
| | Punjab | .. | .. | 3.36 |
| | Rajasthan | .. | 0.39 | 0.09 |
| | Uttar Pradesh | 1,849.31 | .. | .. |
| | Chandigarh | .. | .. | .. |
| | Delhi | .. | .. | .. |
| Sub-Total | | 1,849.31 | 0.65 | 6.39 |
| WESTERN REGION | Gujarat | .. | .. | .. |
| | Madhya Pradesh | .. | .. | 0.59 |
| | Maharashtra | .. | 6.58 | 9.18 |
| | Goa, Daman & Diu . . . | .. | .. | .. |
| | D & N Haveli | .. | .. | .. |
| | Sub-Total | | 6.58 | 9.77 |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. |
| | Karnataka | .. | 0.34 | 11.36 |
| | Kerala | .. | 0.03 | .. |
| | Tamil Nadu | .. | 0.06 | 12.70 |
| | Pondicherry | .. | .. | .. |
| | Lakshadweep | .. | .. | .. |
| | Sub-Total | | 0.43 | 24.06 |
| EASTERN REGION | Bihar | .. | 22.52 | .. |
| | Orissa | .. | .. | .. |
| | West Bengal | .. | 0.69 | 1.73 |
| | A & N Islands | .. | .. | .. |
| | Sikkim | .. | .. | .. |
| | Sub-Total | | 23.21 | 1.73 |
| NORTH EASTERN REGION. | Assam | .. | .. | .. |
| | Manipur | .. | .. | .. |
| | Meghalaya | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| | Sub-Total | | .. | .. |
| TOTAL (ALL INDIA) | | 1,849.31 | 30.87 | 41.95 |

TABLE NO. 28—(Contd.)

(GWH)

| State/UTs. | Cement (P) | Cement(S) | Chemicals | Collieries |
|-----------------------------------|---------------|--------------|---------------|---------------|
| Haryana | 1.29 | 11.44 | 1.37 | .. |
| Himachal Pradesh | .. | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | .. | .. | 0.31 | .. |
| Rajasthan | 86.14 | .. | 69.97 | .. |
| Uttar Pradesh | .. | .. | 60.86 | .. |
| Chandigarh | .. | .. | 0.51 | .. |
| Delhi | .. | .. | 170.18 | .. |
| Sub-Total | 87.43 | 11.44 | 303.20 | .. |
| Gujarat | 19.68 | 0.01 | 319.18 | .. |
| Madhya Pradesh | 121.96 | .. | 1.75 | .. |
| Maharashtra | .. | 3.12 | 41.46 | .. |
| Goa, Daman & Diu | .. | .. | 44.45 | .. |
| D & N Haveli | .. | .. | .. | .. |
| Sub-Total | 141.64 | 3.13 | 406.84 | .. |
| Andhra Pradesh | 0.07 | .. | 0.69 | 144.96 |
| Karnataka | 144.63 | .. | 2.38 | .. |
| Kerala | .. | .. | 1.36 | .. |
| Tamil Nadu | 39.62 | 2.53 | 15.02 | .. |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 184.32 | 2.53 | 19.45 | 144.96 |
| Bihar | 50.51 | 1.36 | .. | 104.87 |
| Orissa | .. | 0.35 | .. | .. |
| West Bengal | 0.04 | 3.71 | 7.27 | .. |
| A. & N. Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 50.55 | 5.42 | 7.27 | 104.87 |
| Assam | .. | .. | 0.04 | 0.01 |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | .. | 0.04 | 0.01 |
| TOTAL(ALL INDIA) | 463.94 | 22.52 | 736.80 | 249.84 |

TABLE NO. 28—(Contd.)

(GWH)

| State/UTs. | Electrical Engineering | Fertilizer | Food Products | Heavy Engineering |
|------------------------------|---------------------------|---------------|---------------|----------------------|
| Haryana | 7.34 | .. | .. | .. |
| Himachal Pradesh | .. | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | 0.21 | .. | 1.16 | .. |
| Rajasthan | 1.53 | 264.32 | 1.75 | 0.97 |
| Uttar Pradesh | 17.93 | 46.51 | 1.65 | 0.40 |
| Chandigarh | 0.07 | .. | .. | .. |
| Delhi | .. | .. | 0.10 | .. |
| Sub-Total | 27.08 | 310.83 | 4.66 | 1.37 |
| Gujarat | 0.19 | .. | 0.01 | .. |
| Madhya Pradesh | 5.17 | .. | 0.07 | .. |
| Maharashtra | 11.47 | 79.01 | 2.79 | 11.52 |
| Goa, Daman & Diu | .. | .. | .. | .. |
| D. & N. Haveli | .. | .. | .. | .. |
| Sub-Total | 16.83 | 79.01 | 2.87 | 11.52 |
| Andhra Pradesh | 1.34 | 6.25 | 7.75 | 0.12 |
| Karnataka | 23.03 | .. | 1.84 | 8.77 |
| Kerala | 0.07 | 72.39 | 1.01 | .. |
| Tamil Nadu | 7.32 | 0.17 | 4.94 | 4.87 |
| Pondicherry | .. | .. | 0.11 | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 31.76 | 78.81 | 15.65 | 13.76 |
| Bihar | 1.04 | 215.24 | 1.12 | 30.60 |
| Orissa | .. | .. | .. | 0.05 |
| West Bengal | 8.24 | 39.64 | 13.05 | 6.78 |
| A. & N. Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 9.28 | 254.88 | 14.17 | 37.43 |
| Assam | .. | 0.33 | 0.08 | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | 0.33 | 0.08 | .. |
| TOTAL (ALL INDIA) . . | 84.95 | 723.86 | 37.41 | 64.08 |

TABLE NO. 28—(Contd.)

(GWH)

| State/UTs. | Iron & Steel (P) | Iron & Steel (S) | Jute | Light Engineering |
|------------------------------------|------------------|------------------|---------------|-------------------|
| Haryana | .. | 5.04 | .. | 8.87 |
| Himachal Pradesh | .. | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | 0.17 |
| Punjab | .. | 0.38 | .. | 4.41 |
| Rajasthan | .. | 1.51 | 0.10 | 16.40 |
| Uttar Pradesh | .. | 1.52 | 2.30 | 1.89 |
| Chandigarh | .. | .. | .. | .. |
| Delhi | .. | .. | .. | .. |
| Sub-Total | .. | 8.45 | 2.40 | 31.74 |
| Gujarat | .. | 0.61 | .. | 0.51 |
| Madhya Pradesh | 325.49 | 0.35 | .. | .. |
| Maharashtra | .. | 5.03 | .. | 22.35 |
| Goa, Daman & Diu | .. | .. | .. | .. |
| D. & N. Haveli | .. | .. | .. | .. |
| Sub-Total | 325.49 | 5.99 | .. | 22.86 |
| Andhra Pradesh | .. | 0.01 | 1.80 | .. |
| Karnataka | .. | .. | .. | 7.56 |
| Kerala | .. | 0.13 | .. | 0.04 |
| Tamil Nadu | 1.46 | 11.78 | .. | 40.42 |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 1.46 | 11.92 | 1.80 | 48.02 |
| Bihar | 1,181.35 | 12.63 | 2.74 | .. |
| Orissa | 398.93 | 0.32 | .. | .. |
| West Bengal | 225.79 | 0.63 | 169.43 | 1.10 |
| A & N Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 1,806.07 | 13.58 | 172.17 | 1.10 |
| Assam | .. | .. | .. | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | .. | .. | .. |
| TOTAL (ALL INDIA) | 2,133.02 | 39.94 | 176.37 | 103.72 |

TABLE NO. 28—(Contd.)

(GWH)

| State/UTs. | Mineral Oil & Petroleum | Mining & Quarrying | Mescellaneus | Non-Ferrous | Paper |
|------------------------------------|-------------------------|--------------------|--------------|--------------|---------------|
| Haryana | 0.05 | .. | 16.64 | 0.22 | 69.52 |
| Himachal Pradesh | .. | 0.09 | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | .. | .. |
| Punjab | .. | .. | 1.48 | .. | 3.15 |
| Rajasthan | 1.00 | 0.05 | 0.98 | 28.45 | .. |
| Uttar Pradesh | 142.78 | .. | 5.20 | .. | 21.04 |
| Chandigarh | .. | .. | 0.03 | .. | .. |
| Delhi | .. | .. | .. | .. | .. |
| Sub-Total | 143.83 | 0.14 | 24.33 | 28.67 | 93.71 |
| Gujarat | 204.95 | 0.05 | 0.21 | 0.01 | 17.20 |
| Madhya Pradesh | .. | .. | 3.54 | 0.08 | 130.13 |
| Maharashtra | .. | .. | 14.46 | 0.90 | 35.31 |
| Goa, Daman & Diu | .. | 0.16 | 0.06 | .. | .. |
| D & N Haveli | .. | .. | .. | .. | .. |
| Sub-Total | 204.95 | 0.21 | 18.27 | 0.99 | 182.64 |
| Andhra Pradesh | .. | .. | 1.21 | 0.71 | 183.38 |
| Karnataka | .. | .. | 4.70 | .. | 64.54 |
| Kerala | .. | 1.02 | 0.57 | .. | 41.49 |
| Tamil Nadu | 98.71 | 1.01 | 14.31 | .. | 43.92 |
| Pondicherry | .. | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. | .. |
| Sub-Total | 98.71 | 2.03 | 20.79 | 0.71 | 333.33 |
| Bihar | 101.81 | .. | 0.34 | 36.16 | 18.30 |
| Orissa | .. | .. | .. | .. | 70.91 |
| West Bengal | 112.40 | .. | 11.53 | .. | 32.58 |
| A & N Islands | .. | .. | 0.14 | .. | .. |
| Sikkim | .. | .. | .. | .. | .. |
| Sub-Total | 214.21 | .. | 12.01 | 36.16 | 121.79 |
| Assam | 154.58 | .. | 0.02 | .. | 10.29 |
| Manipur | .. | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. |
| Sub-Total | 154.58 | .. | 0.02 | .. | 10.29 |
| TOTAL (ALL INDIA) | 816.28 | 2.38 | 75.42 | 66.53 | 741.76 |

TABLE NO. 28—(Concl'd.)

(GWH)

| State/Uts. | Plastic | Rubber | Sugar | Textile | Total |
|--------------------------|-------------|--------------|-----------------|-----------------|------------------|
| Haryana | .. | 6.90 | 19.36 | 11.90 | 163.14 |
| Himachal Pradesh | .. | .. | .. | .. | 0.09 |
| Jammu & Kashmir | .. | .. | .. | .. | 0.17 |
| Punjab | .. | .. | 13.07 | 21.92 | 49.45 |
| Rajasthan | .. | 9.21 | 1.76 | 77.41 | 562.03 |
| Uttar Pradesh | .. | 21.32 | 283.12 | 32.76 | 2,488.59 |
| Chandigarh | .. | .. | .. | .. | 0.61 |
| Delhi | .. | .. | .. | 24.80 | 195.08 |
| Sub-Total | .. | 37.43 | 317.31 | 168.79 | 3,459.16 |
| Gujarat | .. | .. | 85.00 | 105.41 | 753.02 |
| Madhya Pradesh | .. | .. | 15.07 | 237.06 | 841.26 |
| Maharashtra | 0.55 | 12.37 | 349.67 | 116.95 | 722.72 |
| Goa, Daman & Diu | .. | .. | .. | 0.01 | 44.68 |
| D & N Haveli | .. | .. | .. | .. | .. |
| Sub-Total | 0.55 | 12.37 | 449.74 | 459.43 | 2,361.68 |
| Andhra Pradesh | 6.16 | 0.39 | 67.36 | 22.06 | 444.24 |
| Karnataka | .. | 0.20 | 65.87 | 46.98 | 382.20 |
| Kerala | .. | 3.06 | 5.08 | 35.15 | 161.40 |
| Tamil Nadu | 0.96 | 32.11 | 96.62 | 363.46 | 791.99 |
| Pondicherry | .. | .. | 4.39 | 2.25 | 6.75 |
| Lakshadweep | .. | .. | .. | .. | .. |
| Sub-Total | 7.12 | 35.76 | 239.32 | 469.88 | 1,786.58 |
| Bihar | .. | .. | 39.76 | .. | 1,820.35 |
| Orissa | .. | .. | 2.06 | 7.68 | 480.30 |
| West Bengal | .. | 11.16 | 0.14 | 45.43 | 691.34 |
| A & N Islands | .. | .. | .. | .. | 0.14 |
| Sikkim | .. | .. | .. | .. | .. |
| Sub-Total | .. | 11.16 | 41.96 | 53.11 | 2,992.13 |
| Assam | .. | .. | 1.29 | 0.33 | 166.97 |
| Manipur | .. | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. | .. |
| Nagaland | .. | .. | 2.50 | .. | 2.50 |
| Tripura | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. |
| Sub-Total | .. | .. | 3.79 | 0.33 | 169.47 |
| TOTAL (ALL INDIA) | 7.67 | 96.72 | 1,052.12 | 1,151.56 | 10,769.02 |

TABLE NO. 29
Electricity production and consumption in selected industries—industrywise during 1983-84

| Name of Industry | No. of Factories covered | Installed Capacity (KW) | | | Total |
|-------------------------|--------------------------|-------------------------|------------------|-------------------------------|------------------|
| | | Steam | Diesel | Hydro/Gas | |
| Aluminium(P) | 7 | 270,000 | .. | .. | 270,000 |
| Aluminium (S) | 19 | 6,500 | 6,945 | .. | 13,445 |
| Automobiles | 26 | .. | 39,503 | .. | 39,503 |
| Cement (P) | 63 | 140,450 | 85,829 | .. | 226,279 |
| Cement (S) | 36 | .. | 20,723 | .. | 20,723 |
| Chemicals | 262 | 130,402 | 126,868 | 10,000(G) | 267,270 |
| Collieries | 461 | 76,319 | .. | .. | 76,319 |
| Electrical Engineering | 112 | 15,000 | 76,566 | .. | 91,566 |
| Fertilizer | 32 | 198,180 | 9,415 | 21,150(G) | 228,745 |
| Food Products | 190 | 7,280 | 56,182 | .. | 63,462 |
| Heavy Engineering | 45 | .. | 62,008 | .. | 62,008 |
| Iron & Steel (P) | 16 | 604,800 | 2,598 | .. | 607,398 |
| Iron & Steel (S) | 234 | 944 | 53,311 | .. | 53,255 |
| Jute | 81 | 23,920 | 135,591 | .. | 159,511 |
| Light Engineering | 189 | .. | 117,331 | .. | 117,331 |
| Mineral Oil & Petroleum | 22 | 205,300 | 8,996 | 28,900(G) | 243,196 |
| Mining & Quarrying | 33 | .. | 2,704 | .. | 2,704 |
| Miscellaneous | 188 | 1,791 | 85,348 | .. | 87,139 |
| Non-Ferrous | 36 | 6,600 | 71,010 | .. | 77,610 |
| Paper | 99 | 249,512 | 13,239 | .. | 262,751 |
| Plastic | 8 | 2,970 | 3,912 | .. | 6,882 |
| Rubber | 28 | 6,000 | 68,902 | .. | 74,902 |
| Sugar | 246 | 508,454 | 47,490 | .. | 555,944 |
| Textile | 625 | 178,597 | 509,028 | 2,600(H) | 690,225 |
| TOTAL | 3,058 | 2,633,019 | 1,602,499 | 2,600(H) 60,050(G) | 4,298,168 |

Note :—(G)—Gas
(H)—Hydro

TABLE NO. 29—(Contd.)

(GWH)

| Name of Industry | Energy Generated | | | |
|-----------------------------------|------------------|-----------------|------------------------------|------------------|
| | Steam | Diesel | Hydro/Gas | Total |
| Aluminium(P) | 1,849.31 | .. | .. | 1,849.31 |
| Aluminium(S) | 22.41 | 8.46 | .. | 30.87 |
| Automobiles | .. | 41.95 | .. | 41.95 |
| Cement (P) | 230.27 | 233.67 | .. | 463.94 |
| Cement (S) | .. | 22.52 | .. | 22.52 |
| Chemicals | 655.88 | 74.63 | 6.29(G) | 736.80 |
| Collieries | 249.83 | 0.01 | .. | 249.84 |
| Electrical Engineering | 13.69 | 71.26 | .. | 84.95 |
| Fertilizer | 706.78 | 2.07 | 15.01(G) | 723.86 |
| Food Products | 6.76 | 30.65 | .. | 37.41 |
| Heavy Engineering | .. | 64.08 | .. | 64.08 |
| Iron & Steel(P) | 2,131.56 | 1.46 | .. | 2,133.02 |
| Iron & Steel(S) | 1.14 | 38.80 | .. | 39.94 |
| Jute | 52.15 | 124.22 | .. | 176.37 |
| Light Engineering | .. | 103.72 | .. | 103.72 |
| Mineral Oil & Petroleum | 717.16 | 28.80 | 70.32(G) | 816.28 |
| Mining & Quarrying | .. | 2.38 | .. | 2.38 |
| Miscellaneous | 2.31 | 73.11 | .. | 75.42 |
| Non-Ferrous | 23.16 | 43.37 | .. | 66.53 |
| Paper | 736.01 | 5.75 | .. | 741.76 |
| Plastic | 6.16 | 1.51 | .. | 7.67 |
| Rubber | 20.63 | 76.09 | .. | 96.72 |
| Sugar | 1,027.53 | 24.59 | .. | 1,052.12 |
| Textile | 474.85 | 658.44 | 18.27(H) | 1,151.56 |
| TOTAL | 8,927.59 | 1,731.54 | 18.27(H) 91.62(G) | 10,769.02 |

TABLE NO. 29—(Contd.)

(GWH)

| Name of the Industry | Energy used in station Auxiliary | Energy purchased from Utilities | Energy used in Industry |
|-----------------------------------|-------------------------------------|------------------------------------|----------------------------|
| Aluminium (P) | 179.06 | 2,735.12 | 4,405.37 |
| Aluminium (S) | 1.62 | 163.68 | 192.93 |
| Automobiles | 2.72 | 183.70 | 222.93 |
| Cement (P) | 34.67 | 2,314.96 | 2,744.23 |
| Cement (S) | 1.01 | 335.83 | 357.34 |
| Chemicals | 93.60 | 4,121.03 | 4,720.06 |
| Collieries | 30.50 | 1,531.19 | 1,741.37 |
| Electrical Engineering | 5.03 | 546.66 | 626.58 |
| Fertilizer | 95.38 | 4,464.48 | 5,086.09 |
| Food Products | 1.44 | 449.70 | 485.67 |
| Heavy Engineering | 2.29 | 722.64 | 784.43 |
| Iron & Steel (P) | 417.86 | 3,126.73 | 4,841.89 |
| Iron & Steel (S) | 1.29 | 1,761.03 | 1,799.68 |
| Jute | 11.45 | 489.42 | 654.34 |
| Light Engineering | 2.93 | 688.76 | 789.55 |
| Mineral Oil & Petroleum | 115.59 | 348.69 | 1,028.93 |
| Mining & Quarrying | 0.05 | 77.81 | 80.14 |
| Miscellaneous | 3.64 | 804.67 | 876.45 |
| Non-Ferrous | 3.80 | 2,190.11 | 2,552.84 |
| Paper | 75.09 | 1,476.86 | 2,143.53 |
| Plastic | 0.67 | 131.89 | 138.89 |
| Rubber | 5.90 | 318.51 | 409.33 |
| Sugar | 99.39 | 230.96 | 1,183.69 |
| Textile | 87.10 | 5,867.34 | 6,931.80 |
| TOTAL | 1,272.08 | 35,081.77 | 44,498.06 |

TABLE NO. 29—(Contd).

| Name of the Industry | Energy sold to | | Aggregate Max. Demand | |
|-------------------------|----------------|---------------|-----------------------|------------------|
| | Utilities | Non-Utilities | Generation | Purchase |
| Aluminium(P) | .. | .. | 254,000 | 407,448 |
| Aluminium(S) | .. | .. | 7,371 | 43,731 |
| Automobiles | .. | .. | 23,728 | 59,119 |
| Cement (P) | .. | .. | 178,099 | 572,901 |
| Cement (S) | .. | .. | 12,242 | 82,532 |
| Chemicals | 44.17 | .. | 181,808 | 849,808 |
| Collieries | 9.16 | .. | 55,250 | 233,389 |
| Electrical Engineering | .. | .. | 68,312 | 191,687 |
| Fertilizer | 6.87 | .. | 162,685 | 633,464 |
| Food Products | .. | .. | 39,166 | 141,887 |
| Heavy Engineering | .. | .. | 48,183 | 222,285 |
| Iron & Steel(P) | .. | .. | 429,659 | 745,995 |
| Iron & Steel(S) | .. | .. | 30,983 | 873,686 |
| Jute | .. | .. | 105,833 | 124,331 |
| Light Engineering | .. | .. | 83,645 | 267,825 |
| Mineral Oil & Petroleum | 20.45 | .. | 157,449 | 95,991 |
| Mining & Quarrying | .. | .. | 2,063 | 26,133 |
| Miscellaneous | .. | .. | 57,355 | 214,870 |
| Non-Ferrous | .. | .. | 58,104 | 415,184 |
| Paper | .. | .. | 176,467 | 344,701 |
| Plastic | .. | .. | 4,900 | 35,230 |
| Rubber | .. | .. | 54,042 | 82,723 |
| Sugar | .. | .. | 422,378 | 99,207 |
| Textile | .. | .. | 454,127 | 1,280,361 |
| TOTAL | 80.65 | .. | 3,067,849 | 8,044,488 |

*This does not include 2.75 GWH energy purchased by Andaman & Nicobar Islands Electricity Department.

TABLE NO. 30

Installed capacity, electricity generation and consumption in selected industries regionwise/statewise during 1983-84

| State/Uts. Region | Total No. of industrial units covered | Total No. of industrial units having captive plants | Installed Capacity (KW) | | | |
|------------------------------------|---------------------------------------|---|-------------------------|------------------|------------------|------------------|
| | | | Steam | Diesel | Hydro/gas | Total |
| NORTHERN REGION | | | | | | |
| Haryana | 96 | 81 | 27,144 | 76,754 | .. | 104,798 |
| Himachal Pradesh | 12 | 3 | .. | 588 | .. | 588 |
| Jammu & Kashmir | 1 | 1 | .. | 665 | .. | 665 |
| Punjab | 108 | 67 | 13,860 | 41,523 | .. | 55,383 |
| Rajasthan | 140 | 115 | 78,850 | 194,425 | .. | 273,275 |
| Uttar Pradesh | 203 | 166 | 509,582 | 109,177 | .. | 618,759 |
| Chandigarh | 6 | 4 | .. | 2,090 | .. | 2,090 |
| Delhi | 21 | 7 | 39,500 | 3,397 | .. | 42,897 |
| Sub-Total | 587 | 444 | 668,936 | 429,519 | .. | 1,098,455 |
| WESTERN REGION | | | | | | |
| Gujarat | 315 | 140 | 180,785 | 156,175 | .. | 336,960 |
| Madhya Pradesh | 139 | 55 | 229,205 | 37,552 | .. | 266,757 |
| Maharashtra | 440 | 279 | 179,307 | 232,269 | 10,000(G) | 421,576 |
| Goa, Daman & Diu | 18 | 6 | 7,500 | 2,368 | .. | 9,868 |
| D. & N. Haveli | .. | .. | .. | .. | .. | .. |
| Sub-Total | 912 | 480 | 596,797 | 428,364 | 10,000(G) | 103,5161 |
| EASTERN REGION | | | | | | |
| Bihar | 257 | 53 | 500,865 | 48,000 | .. | 548,865 |
| Orissa | 47 | 15 | 161,437 | 3,250 | .. | 164,687 |
| West Bengal | 391 | 163 | 181,712 | 240,539 | 21,150(G) | 443,401 |
| A. & N. Islands | 3 | 2 | .. | 590 | .. | 590 |
| Sikkim | .. | .. | .. | .. | .. | .. |
| Sub-Total | 698 | 233 | 844,014 | 292,379 | 21,150(G) | 1,157,543 |
| SOUTHERN REGION | | | | | | |
| Andhra Pradesh | 202 | 108 | 165,404 | 46,615 | .. | 212,019 |
| Karnataka | 123 | 92 | 151,235 | 71,448 | 2,600(H) | 225,283 |
| Kerala | 98 | 46 | 49,630 | 13,841 | .. | 63,471 |
| Tamil Nadu | 399 | 331 | 85,939 | 304,775 | .. | 390,714 |
| Pondicherry | 12 | 5 | 3,500 | 2,846 | .. | 6,346 |
| Lakshadweep | .. | .. | .. | .. | .. | .. |
| Sub-Total | 834 | 582 | 455,708 | 442,125 | 2,600(H) | 897,833 |
| NORTH EASTERN REGION | | | | | | |
| Assam | 25 | 23 | 66,064 | 12,712 | 28,900(G) | 107,676 |
| Manipur | .. | .. | .. | .. | .. | .. |
| Meghalaya | 1 | .. | .. | .. | .. | .. |
| Nagaland | 1 | 1 | 1,500 | .. | .. | 1,500 |
| Tripura | .. | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. | .. |
| Sub-Total | 27 | 24 | 67,564 | 12,712 | 28,900(G) | 109,176 |
| TOTAL (ALL INDIA) | 3,058 | 1,763 | 2,633,019 | 1,602,499 | 62,650 | 4,298,168 |

TABLE NO. 30—(Contd.)

| State/UTs. | Aggregate maximum demand (KW) | | | Energy generation (GWH) | | |
|------------------------------------|-------------------------------|-------------------|-----------------|-------------------------|-----------------|------------------|
| | Generation | Purchase (KVA) | Steam | Diesel | Hydro/Gas | Total |
| Haryana | 66,341 | 160,077 | 90.02 | 73.12 | .. | 163.14 |
| Himachal Pradesh | 420 | 21,981 | .. | 0.09 | .. | 0.09 |
| Jammu & Kashmir | 600 | 600 | .. | 0.17 | .. | 0.17 |
| Punjab | 38,777 | 180,782 | 18.14 | 31.01 | .. | 49.45 |
| Rajasthan | 230,292 | 347,225 | 383.21 | 178.82 | .. | 562.03 |
| Uttar Pradesh | 506,600 | 702,360 | 2,440.26 | 48.33 | .. | 2,488.59 |
| Chandigarh | 1,810 | 4,958 | .. | 0.61 | .. | 0.61 |
| Delhi | 30,603 | 30,211 | 185.72 | 9.36 | .. | 195.08 |
| Sub-Total | 875,443 | 1,448,194 | 3,117.65 | 341.51 | .. | 3,459.16 |
| Gujarat | 205,323 | 770,852 | 672.33 | 80.69 | .. | 753.02 |
| Madhya Pradesh | 180,109 | 798,692 | 822.17 | 19.09 | .. | 841.26 |
| Maharashtra | 283,138 | 1,012,933 | 503.51 | 212.92 | 6.29(G) | 722.72 |
| Goa, Daman & Diu | 6,088 | 21,405 | 44.45 | 0.23 | .. | 44.68 |
| D. & N. Haveli | .. | .. | .. | .. | .. | .. |
| Sub-Total | 674,658 | 2,603,882 | 2,042.46 | 312.93 | 6.29 | 2,361.68 |
| Bihar | 382,607 | 619,993 | 1,755.32 | 65.03 | .. | 1,820.35 |
| Orissa | 126,103 | 309,757 | 479.58 | 0.72 | .. | 480.30 |
| West Bengal | 264,014 | 663,737 | 459.75 | 216.58 | 15.01(G) | 691.34 |
| A. & N. Islands | 305 | 605 | .. | 0.14 | .. | 0.14 |
| Sikkim | .. | .. | .. | .. | .. | .. |
| Sub-Total | 773,029 | 1,674,092 | 2,694.65 | 382.47 | 15.01(G) | 2,992.13 |
| Andhra Pradesh | 147,814 | 669,683 | 432.74 | 11.50 | .. | 444.24 |
| Karnataka | 173,448 | 540,034 | 151.38 | 212.55 | 18.27(H) | 382.20 |
| Kerala | 53,143 | 329,395 | 144.51 | 16.89 | .. | 161.40 |
| Tamil Nadu | 298,648 | 714,664 | 165.87 | 526.12 | .. | 791.99 |
| Pondicherry | 5,340 | 6,665 | 4.37 | 2.38 | .. | 6.75 |
| Lakshadweep | .. | .. | .. | .. | .. | .. |
| Sub-Total | 678,393 | 2,260,442 | 998.87 | 769.44 | 18.27 | 1,786.58 |
| Assam | 65,526 | 52,028 | 71.46 | 25.19 | 70.32(G) | 166.97 |
| Manipur | .. | .. | .. | .. | .. | .. |
| Meghalaya | .. | 5,350 | .. | .. | .. | .. |
| Nagaland | 880 | 500 | 2.50 | .. | .. | 2.50 |
| Tripura | .. | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. | .. |
| Sub-Total | 66,326 | 57,878 | 73.96 | 25.19 | 70.32 | 169.47 |
| TOTAL (ALL INDIA) | 3,067,849 | 8,044,488 | 8,927.59 | 1,731.54 | 18.27(H) | 10,769.02 |
| | | | | | 91.62(G) | |

TABLE NO. 30 (Contd.)

| State/U. Ts. | Energy used in Auxiliaries | Energy purchased | | Energy used in Industries | Energy sold to | |
|----------------------------------|----------------------------|------------------|---------------|---------------------------|----------------|---------------|
| | | Utilities | Non-Utilities | | Utilities | Non-Utilities |
| Haryana | 13.94 | 678.21 | .. | 827.41 | .. | .. |
| Himachal Pradesh | .. | 71.80 | .. | 71.89 | .. | .. |
| Jammu & Kashmir | .. | 2.61 | .. | 2.78 | .. | .. |
| Punjab | 3.00 | 1,472.08 | .. | 1,518.53 | .. | .. |
| Rajasthan | 57.16 | 1,344.09 | .. | 1,848.96 | .. | .. |
| Uttar Pradesh | 255.22 | 2,039.85 | .. | 4,273.22 | .. | .. |
| Chandigarh | 0.03 | 13.77 | .. | 14.35 | .. | .. |
| Delhi | 23.66 | 115.66 | .. | 287.08 | .. | .. |
| Sub-Total | 353.01 | 5,738.07 | .. | 8,844.22 | .. | .. |
| Gujarat | 96.55 | 4,319.17 | .. | 4,929.33 | 46.31 | .. |
| Madhya Pradesh | 71.79 | 3,990.78 | .. | 4,760.25 | .. | .. |
| Maharashtra | 59.03 | 4,452.45 | .. | 5,109.27 | 6.87 | .. |
| Goa, Daman & Diu | 4.00 | 53.23 | .. | 93.91 | .. | .. |
| D. & N. Haveli | .. | .. | .. | .. | .. | .. |
| Sub Total | 231.37 | 12,815.63 | .. | 14,892.76 | 53.18 | .. |
| Bihar | 311.82 | 3,058.83 | .. | 4,558.04 | 9.32 | .. |
| Orissa | 108.35 | 1,488.03 | .. | 1,859.98 | .. | .. |
| West Bengal | 86.40 | 2,311.11 | .. | 2,916.05 | .. | .. |
| A. & N. Islands | .. | .. | .. | 0.14 | .. | .. |
| Sikkim | .. | .. | .. | .. | .. | .. |
| Sub-Total | 506.57 | 6,857.97 | .. | 9,334.21 | 9.32 | .. |
| Andhra Pradesh | 59.58 | 2,826.91 | .. | 3,211.57 | .. | .. |
| Karnataka | 34.17 | 2,468.16 | .. | 2,816.19 | .. | .. |
| Kerala | 18.38 | 1,323.99 | .. | 1,467.01 | .. | .. |
| Tamil Nadu | 52.58 | 2,741.62 | .. | 3,477.03 | 4.00 | .. |
| Pondicherry | 1.79 | 23.63 | .. | 28.59 | .. | .. |
| Lakshadweep | .. | .. | .. | .. | .. | .. |
| Sub-Total | 166.50 | 9,384.31 | .. | 11,000.39 | 4.00 | .. |
| Assam | 14.38 | 274.11 | .. | 412.55 | 14.15 | .. |
| Manipur | .. | .. | .. | .. | .. | .. |
| Meghalaya | .. | 11.46 | .. | 11.46 | .. | .. |
| Nagaland | 0.25 | 0.22 | .. | 2.47 | .. | .. |
| Tripura | .. | .. | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. | .. | .. |
| Sub-Total | 14.63 | 285.79 | .. | 426.48 | 14.15 | .. |
| Total (ALL INDIA) | 1,272.08 | 35,081.77 | .. | 44,498.06 | 80.65 | .. |

TABLE NO. 31
Energy Consumption By Selected Industries Regionwise/Statewise during 1983-84

(GWH)

| Region | State/U. Ts. | Aluminium (P) | Aluminium (S) | Automobile |
|-----------------------------|------------------------------------|-----------------|---------------|---------------|
| NORTHERN REGION | Haryana | .. | 0·89 | 11·64 |
| | Himachal Pradesh | .. | .. | .. |
| | Jammu & Kashmir | .. | .. | .. |
| | Punjab | .. | .. | 19·89 |
| | Rajasthan | .. | 2·88 | 1·35 |
| | Uttar Pradesh | 1,822·99 | .. | .. |
| | Chandigarh | .. | .. | .. |
| WESTERN REGION | Delhi | .. | .. | .. |
| | Sub-Total | 1,822·99 | 3·77 | 32·88 |
| | Gujarat | .. | .. | .. |
| | Madhya Pradesh | 1,271·95 | .. | 4·82 |
| | Maharashtra | .. | 49·48 | 58·01 |
| | Goa, Daman & Diu | .. | .. | .. |
| | D & N Haveli | .. | .. | .. |
| EASTERN REGION | Sub-Total | 1,271·95 | 49·48 | 62·83 |
| | Bihar | .. | 21·34 | .. |
| | Orissa | 166·60 | 1·77 | .. |
| | West Bengal | 10·46 | 36·63 | 66·88 |
| | A & N Islands | .. | .. | .. |
| | Sikkim | .. | .. | .. |
| | Sub-Total | 177·06 | 59·74 | 66·88 |
| SOUTHERN REGION | Sub-Total | 1,133·37 | 79·94 | 60·34 |
| | Andhra Pradesh | .. | 0·93 | 0·80 |
| | Karnataka | 638·14 | 33·42 | 26·32 |
| | Kerala | 335·24 | 45·06 | .. |
| | Tamil Nadu | 159·99 | 0·53 | 33·22 |
| | Pondicherry | .. | .. | .. |
| | Lakshadweep | .. | .. | .. |
| NORTH EASTERN REGION | Sub-Total | .. | .. | .. |
| | Assam | .. | .. | .. |
| | Manipur | .. | .. | .. |
| | Meghalaya | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| TOTAL (ALL INDIA) | Sub-Total | .. | .. | .. |
| | TOTAL (ALL INDIA) | 4,405·37 | 192·93 | 222·93 |

TABLE NO. 31 (Contd.)

| State/UTs. | Cement (P) | Cement (S) | Chemicals | Collieries |
|------------------------------------|-----------------|---------------|-----------------|-----------------|
| Haryana | 74.80 | 22.77 | 13.16 | .. |
| Himachal Pradesh | 24.17 | .. | .. | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | .. | .. | 10.85 | .. |
| Rajasthan | 255.63 | 2.53 | 167.11 | .. |
| Uttar Pradesh | 115.43 | .. | 258.75 | .. |
| Chandigarh | .. | .. | 8.82 | .. |
| Delhi | .. | .. | 162.18 | |
| Sub-Total | 470.03 | 25.30 | 620.87 | .. |
| Gujarat | 216.46 | 16.15 | 1,341.38 | .. |
| Madhya Pradesh | 527.96 | 210.07 | 419.20 | 238.45 |
| Maharashtra | 81.44 | 20.06 | 811.89 | 43.10 |
| Goa, Daman & Diu | .. | .. | 68.45 | .. |
| D & N. Havelli | .. | .. | .. | .. |
| Sub-Total | 825.86 | 246.28 | 2,640.92 | 281.55 |
| Bihar | 202.25 | 2.51 | 65.43 | 700.51 |
| Orissa | 52.42 | 57.32 | 47.09 | 24.00 |
| West Bengal | 27.86 | 8.13 | 153.04 | 384.00 |
| A & N. Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 282.53 | 67.96 | 265.56 | 1,108.51 |
| Andhra Pradesh | 347.61 | .. | 231.25 | 338.24 |
| Karnataka | 2393.36 | .. | 207.73 | .. |
| Kerala | 7.63 | .. | 304.41 | .. |
| Tamil Nadu | 381.56 | 12.40 | 447.11 | .. |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 1,130.16 | 12.40 | 190.50 | 338.24 |
| Assam | 24.19 | 5.40 | 2.21 | 13.07 |
| Manipur | .. | .. | .. | .. |
| Meghalaya | 11.46 | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | 35.65 | 5.40 | 2.21 | 13.07 |
| TOTAL (ALL INDIA) | 2,744.23 | 357.34 | 4,720.06 | 1,741.37 |

Table No. 31 (Contd.)

| State/Uts. | Electrical Engg. | Fertilizers | Food Products | Heavy Egg. |
|------------------------------------|------------------|-----------------|---------------|---------------|
| Haryana | 36·22 | 253·85 | 7·38 | .. |
| Himachal Pradesh | .. | .. | 4·03 | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | 5·21 | 861·77 | 66·63 | .. |
| Rajasthan | 8·55 | 480·07 | 29·09 | 4·10 |
| Uttar Pradesh | 146·01 | 608·61 | 36·56 | 30·69 |
| Chandigarh | 1·15 | .. | .. | .. |
| Delhi | 8·18 | .. | 23·90 | .. |
| Sub-Total | 205·42 | 2,207·30 | 167·59 | 34·79 |
| Gujarat | 18·27 | 716·23 | 37·00 | .. |
| Madhya Pradesh | 69·38 | 0·37 | 16·80 | .. |
| Maharashtra | 103·45 | 489·99 | 81·56 | 84·10 |
| Goa, Daman & Diu | .. | .. | .. | .. |
| D & N. Havelli | .. | .. | .. | .. |
| Sub-Total | 191·10 | 1,206·59 | 135·36 | 84·10 |
| Bihar | 12·79 | 272·99 | 5·33 | 332·02 |
| Orissa | .. | 145·60 | .. | 42·02 |
| West Bengal | 30·49 | 149·30 | 31·20 | 104·17 |
| A & N Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 43·28 | 567·89 | 36·53 | 478·21 |
| Andhra Pradesh | 57·29 | 175·20 | 87·55 | 72·62 |
| Karnataka | 99·90 | .. | 14·92 | 36·75 |
| Kerala | 6·86 | 282·73 | 5·33 | 5·54 |
| TamilNadu | 22·73 | 474·50 | 33·99 | 72·42 |
| Pondicherry | .. | .. | 1·66 | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 186·78 | 932·43 | 143·45 | 187·33 |
| Assam | .. | 171·88 | 2·74 | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | 171·88 | 2·74 | .. |
| TOTAL (ALL INDIA) | 626·58 | 5,086·09 | 485·67 | 784·43 |

TABLE NO. 31 (Contd.)

| State/Uts. | Iron & Steel(P) | Iron & Steel(S) | Jute | Light Engineering |
|-----------------------------|-----------------|-----------------|---------------|-------------------|
| Haryana | .. | 74·50 | .. | 44·15 |
| Himachal Pradesh | .. | 34·22 | .. | .. |
| Jammu & Kashmir | .. | .. | .. | 2·78 |
| Punjab | .. | 200·03 | .. | 88·74 |
| Rajasthan | .. | 36·46 | 1·40 | 89·02 |
| Uttar Pradesh | .. | 147·04 | 19·36 | 21·68 |
| Chandigarh | .. | .. | .. | 3·17 |
| Delhi | .. | 3·28 | .. | 1·52 |
| Sub-Total | .. | 495·53 | 20·76 | 251·06 |
| Gujarat | .. | 150·49 | .. | 27·91 |
| Madhya Pradesh | .. | 152·54 | .. | 29·02 |
| Maharashtra | 921·83 | 154·18 | .. | 221·94 |
| Goa, Daman & Diu | .. | 0·90 | .. | .. |
| D & N. Haveli | .. | .. | .. | .. |
| Sub-Total | 921·83 | 458·11 | .. | 278·87 |
| Bihar | 2,202·12 | 238·76 | 10·08 | .. |
| Orissa | 819·41 | 5·27 | .. | .. |
| West Bengal | 568·56 | 211·12 | 554·48 | 28·00 |
| A & N Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 3,590·09 | 455·15 | 564·56 | 28·00 |
| Andhra Pradesh | .. | 162·44 | 69·02 | 7·57 |
| Karnataka | 311·63 | 81·35 | .. | 105·79 |
| Kerala | .. | 21·99 | .. | 10·28 |
| Tamil Nadu | 18·34 | 125·11 | .. | 107·98 |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 329·97 | 390·89 | 69·02 | 231·62 |
| Assam | .. | .. | .. | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | .. | .. | .. |
| TOTAL (ALL INDIA) | 4,841·89 | 1,799·68 | 654·34 | 789·55 |

TABLE NO. 31 (Contd.)

| State/UTs. | Mineral oil & Petroleum | Mining & Quarrying | Miscellaneous | Non-Ferrous |
|-----------------------------|-------------------------|--------------------|---------------|-----------------|
| Haryana | 0.67 | .. | 44.64 | 0.66 |
| Himachal Pradesh | .. | 0.9 | 1.03 | .. |
| Jammu & Kashmir | .. | .. | .. | .. |
| Punjab | .. | .. | 17.54 | .. |
| Rajasthan | 1.48 | 5.28 | 4.27 | 399.03 |
| Uttar Pradesh | 110.55 | .. | 120.07 | .. |
| Chandigarh | .. | .. | 1.21 | .. |
| Delhi | .. | .. | 2.34 | .. |
| Sub-Total | 112.70 | 5.37 | 191.10 | 399.69 |
| Gujarat | 234.69 | 0.05 | 45.58 | 128.39 |
| Madhya Pradesh | .. | 1.68 | 135.01 | 4.33 |
| Maharashtra | 183.56 | .. | 224.78 | 110.69 |
| Goa, Daman & Diu | .. | 7.18 | 11.22 | .. |
| D. & N. Haveli | .. | .. | .. | .. |
| Sub-Total | 418.25 | 8.91 | 416.59 | 243.41 |
| Bihar | 87.01 | 13.83 | 8.11 | 263.40 |
| Orissa | .. | 27.91 | 10.37 | 237.28 |
| West Bengal | 87.04 | .. | 86.07 | .. |
| A. & N. Islands | .. | .. | 0.14 | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 174.05 | 41.74 | 104.69 | 500.68 |
| Andhra Pradesh | 24.47 | 6.25 | 51.42 | 721.81 |
| Karnataka | .. | 9.85 | 32.12 | 309.14 |
| Kerala | 43.20 | 3.98 | 11.68 | 36.93 |
| Tamil Nadu | 102.97 | 4.04 | 67.19 | 41.18 |
| Pondicherry | .. | .. | .. | .. |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 170.64 | 24.12 | 162.41 | 1,109.06 |
| Assam | 153.29 | .. | 1.66 | .. |
| Manipur | .. | .. | .. | .. |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | 153.29 | .. | 1.66 | .. |
| TOTAL (ALL INDIA) | 1,028.93 | 80.14 | 876.45 | 2,252.84 |

TABLE NO. 31 (Contd.)

| State/UTs. | Paper | Plastic | Rubb,r |
|------------------------------------|-----------------|---------------|---------------|
| Haryana | 120.24 | .. | 28.67 |
| Himachal Pradesh | 8.01 | .. | .. |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | 47.72 | .. | 2.07 |
| Rajasthan | .. | .. | 33.53 |
| Uttar Pradesh | 63.37 | .. | 88.78 |
| Chandigarh | .. | .. | .. |
| Delhi | .. | .. | .. |
| Sub-Total | 239.34 | .. | 153.05 |
| Gujarat | 102.85 | .. | .. |
| Madhya Pradesh | 263.57 | .. | .. |
| Maharashtra | 189.63 | 129.66 | 71.37 |
| Goa, Daman & Diu | .. | .. | .. |
| D. & N. Haveli | .. | .. | .. |
| Sub-Total | 556.05 | 129.66 | 71.37 |
| Bihar | 79.23 | .. | .. |
| Orissa | 158.08 | .. | .. |
| West Bengal | 116.06 | 0.58 | 62.39 |
| A. & N. Islands | .. | .. | .. |
| Sikkim | .. | .. | .. |
| Sub-Total | 353.37 | 0.58 | 62.39 |
| Andhra Pradesh | 508.16 | 6.46 | 7.21 |
| Karnataka | 223.77 | .. | 1.84 |
| Kerala | 134.46 | .. | 32.53 |
| Tamil Nadu | 100.40 | 2.19 | 80.94 |
| Pondicherry | .. | .. | .. |
| Lakshadweep | .. | .. | .. |
| Sub-Total | 966.79 | 8.65 | 122.52 |
| Assam | 27.98 | .. | .. |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Tripura | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Sub-Total | 27.98 | .. | .. |
| TOTAL (ALL INDIA) | 2,143.53 | 138.89 | 409.33 |

TABLE NO. 31 (Concl'd.)

| State/Uts. | Sugar | Textile | Total |
|-----------------------------|-----------------|-----------------|------------------|
| Haryana | 21.05 | 72.02 | 827.41 |
| Himachal Pradesh | .. | 0.34 | 71.89 |
| Jammu & Kashmir | .. | .. | 2.78 |
| Punjab | 19.33 | 175.75 | 1,518.53 |
| Rajasthan | 5.19 | 321.99 | 1,848.96 |
| Uttar Pradesh | 334.48 | 348.85 | 4,273.22 |
| Chandigarh | .. | .. | 14.35 |
| Delhi | .. | 85.68 | 287.08 |
| Sub-Total | 380.05 | 1,004.63 | 8,844.22 |
| Gujarat | 95.28 | 1,798.60 | 4,929.33 |
| Madhya Pradesh | 13.59 | 479.68 | 4,760.25 |
| Maharashtra | 354.71 | 1,645.67 | 5,109.27 |
| Goa, Daman & Diu | .. | 6.16 | 93.91 |
| D. & N. Haveli | .. | .. | .. |
| Sub-Total | 463.58 | 3,930.11 | 14,892.76 |
| Bihar | 38.64 | 1.69 | 4,558.04 |
| Orissa | 30.62 | 34.22 | 1,859.98 |
| West Bengal | 1.94 | 197.63 | 2,916.05 |
| A. & N. Islands | .. | .. | 0.14 |
| Sikkim | .. | .. | .. |
| Sub-Total | 71.20 | 233.56 | 9,334.21 |
| Andhra Pradesh | 82.32 | 252.95 | 3,211.57 |
| Karnataka | 71.27 | 218.89 | 2,816.19 |
| Kerala | 4.83 | 174.33 | 1,467.01 |
| Tamil Nadu | 101.64 | 1,086.60 | 3,477.03 |
| Pondicherry | 4.85 | 22.08 | 28.59 |
| Lakshadweep | .. | .. | .. |
| Sub-Total | 264.91 | 1,754.85 | 11,000.39 |
| Assam | 1.48 | 8.65 | 412.55 |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | 11.46 |
| Nagaland | 2.47 | .. | 2.47 |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Sub-Total | 3.95 | 8.65 | 426.48 |
| TOTAL (ALL INDIA) | 1,183.69 | 6,931.80 | 44,498.06 |

TABLE NO. 32
Classification of captive plants-capacitywise during 1983-84

| Range of installed capacity (MW) | No. of generating industries | Aggregate installed capacity (MW) | % to total capacity | Gross energy generation by the group (Gwh.) | % to total generation |
|----------------------------------|------------------------------|-----------------------------------|---------------------|---|-----------------------|
| Upto 1.00 | 988 | 429.64 | 10.00 | 427.70 | 3.97 |
| Over 1.00 Upto 10.00 | 715 | 1,850.76 | 43.06 | 3,005.17 | 27.9 ¹ |
| Over 10.00 Upto 25.00 | 41 | 651.88 | 15.17 | 1,749.25 | 16.24 |
| Above 25.00 | 19 | 1,365.89 | 31.77 | 5,586.90 | 51.88 |
| TOTAL | 1,763 | 4,298.17 | 100.00 | 10,769.02 | 100.00 |

TABLE NO. 33
Installed plant capacity and electricity
Generation by the Railways regionwise,
Statewise during the year 1983-1984

| Name of the Region / | Name of the state/Uts. | Installed Plant Capacity (KW) | | |
|---------------------------|----------------------------|-------------------------------|---------------|---------------|
| | | Steam | Diesel | Total |
| NORTHERN REGION | Haryana | .. | 1,429 | 1,429 |
| | Himachal Pradesh | .. | .. | .. |
| | Jammu & Kashmir | .. | 275 | 275 |
| | Punjab | .. | 2,111 | 2,111 |
| | Rajasthan | 2,000 | 5,808 | 7,808 |
| | Uttar Pradesh | 4,500 | 8,686 | 13,186 |
| | Delhi | .. | 1,116 | 1,116 |
| Sub-Total | | 6,500 | 19,425 | 25,925 |
| WESTERN REGION | Gujarat | 2,500 | 1,819 | 4,319 |
| | Madhya Pradesh | .. | 3,063 | 3,063 |
| | Maharashtra | .. | 1,874 | 1,874 |
| | Sub-Total | | 2,500 | 6,756 |
| EASTERN REGION | Bihar | 2,800 | 4,829 | 7,629 |
| | West Bengal | 7,160 | 4,176 | 11,336 |
| | Sub-Total | | 9,960 | 9,005 |
| SOUTHERN REGION | Andhra Pradesh | .. | 2,855 | 2,855 |
| | Karnataka | .. | 2,427 | 2,427 |
| | Kerala | .. | 357 | 357 |
| | Tamil Nadu | .. | 4,437 | 4,437 |
| | Sub-Total | | 10,076 | 10,076 |
| NORTH EASTERN REGION | Assam | .. | 3,216 | 3,216 |
| | Nagaland | .. | 1,088 | 1,088 |
| | Sub-Total | | 4,304 | 4,304 |
| TOTAL(ALL INDIA) . | | 18,960 | 49,566 | 68,526 |

TABLE NO. 33 (Contd.)

(GWH)

| Name of the Region | Name of the State/Uts. | Max. Demand (KVA) | Electricity Generation | | | Energy used in Aux. |
|----------------------|------------------------|----------------------|------------------------|--------|-------|---------------------|
| | | | Steam | Diesel | Total | |
| NORTHERN REGION | Haryana | 950 | .. | 0.41 | 0.41 | .. |
| | Himachal Pradesh | .. | .. | .. | .. | .. |
| | Jammu & Kashmir | 205 | .. | 0.02 | 0.02 | .. |
| | Punjab | 1,600 | .. | 0.25 | 0.25 | .. |
| | Rajasthan | 5,200 | 1.18 | 1.60 | 2.78 | 0.13 |
| | Uttar Pradesh | 9,931 | 4.15 | 2.50 | 6.65 | 0.45 |
| | Delhi | 450 | .. | 0.10 | 0.10 | .. |
| Sub-Total | | 18,336 | 5.33 | 4.88 | 10.21 | 0.58 |
| WESTERN REGION | Gujarat | 2,595 | 6.02 | 0.04 | 6.06 | 0.49 |
| | Madhya Pradesh | 2,128 | .. | 0.65 | 0.65 | 0.02 |
| | Maharashtra | 2,313 | .. | 0.27 | 0.27 | .. |
| | Sub-Total | | 7,036 | 6.02 | 0.96 | 6.98 |
| | | | | | | 0.51 |
| EASTERN REGION | Bihar | 6,064 | 9.30 | 2.20 | 11.50 | 2.06 |
| | West Bengal | 5,927 | 10.72 | 4.69 | 15.41 | 1.13 |
| | Sub-Total | | 11,991 | 20.02 | 6.89 | 26.91 |
| Sub-Total | | | | | | 3.19 |
| SOUTHERN REGION | Andhra Pradesh | 1,737 | .. | 0.15 | 0.15 | .. |
| | Karnataka | 1,800 | .. | 0.30 | 0.30 | .. |
| | Kerala | 250 | .. | 0.04 | 0.04 | .. |
| | Tamil Nadu | 3,165 | .. | 0.50 | 0.50 | 0.01 |
| | Sub-Total | | 6,952 | .. | 0.99 | 0.99 |
| Sub-Total | | | | | | 0.01 |
| NORTH EASTERN REGION | Assam | 2,462 | .. | 1.11 | 1.11 | 0.01 |
| | Nagaland | 900 | .. | 1.42 | 1.42 | 0.01 |
| | Sub-Total | | 3,362 | .. | 2.53 | 2.53 |
| TOTAL (ALL INDIA) | | 47,677 | 31.37 | 16.25 | 47.62 | 4.31 |

TABLE NO. 34
Zonewise Installed Plant Capacity and Electricity
Generation by the Railways during the
year 1983-84

| Sl. No. | Name of the Railways | Installed Capacity (KW) | | |
|---|----------------------|-------------------------|---------------|---------------|
| | | Steel | Diesel | Total |
| 1. Central Railways | . | .. | 6,769 | 6,769 |
| 2. Eastern Railways | . | 2,800 | 3,500 | 6,300 |
| 3. Northern Railways | . | 2,500 | 13,373 | 15,873 |
| 4. North Eastern Railways | . | 2,000 | 3,007 | 5,007 |
| 5. North East Frontier Railways | . | .. | 7,393 | 7,393 |
| 6. Southern Railways | . | .. | 5,264 | 5,264 |
| 7. South Central Railways | . | .. | 3,567 | 3,567 |
| 8. South Eastern Railways | . | 7,160 | .. | 7,160 |
| 9. Western Railways | . | 4,500 | 6,693 | 11,193 |
| TOTAL | | 18,960 | 49,566 | 68,526 |

TABLE NO. 34 (Concl'd)

| Sl. No. | Maximum Demand (KVA) | Electricity Generated (GWH) | | | Energy used in Auxillaries (GWH) |
|--------------|----------------------------|-----------------------------|--------------|--------------|-------------------------------------|
| | | Steam | Diesel | Total | |
| 1. | 4,702 | .. | 0.92 | 0.92 | 0.04 |
| 2. | 6,000 | 9.50 | 0.98 | 10.48 | 2.04 |
| 3. | 12,893 | 4.15 | 3.57 | 7.72 | 0.46 |
| 4. | 2,700 | .. | 1.70 | 1.70 | 0.05 |
| 5. | 5,018 | .. | 5.78 | 5.78 | 0.05 |
| 6. | 3,275 | .. | 0.80 | 0.80 | 0.01 |
| 7. | 2,964 | .. | 0.70 | 0.70 | 0.03 |
| 8. | 2,625 | 10.22 | .. | 10.22 | 1.02 |
| 9. | 7,500 | 7.50 | 1.80 | 9.30 | 0.61 |
| TOTAL | 47,677 | 31.37 | 16.25 | 47.62 | 4.31 |

SECTION V

**Electric Power Supply
& System Losses**

ELECTRIC POWER SUPPLY AND SYSTEM LOSSES

During the year 1983-84 gross electricity generation was 140177.36 Gwh, out of this 10142.44 Gwh was used in power station auxiliaries which represents 7.24% of the gross electricity generation. Thus net generation at the bus-bar was 130034.92 Gwh. Electricity purchased by Public Utilities from captive plants was 83.40 Gwh and electricity imported from Nepal was 4.15 Gwh. Thus the total electricity available for supply during the year was 130122.47 Gwh compared to 121310.61 Gwh during the year 1982-83.

Electricity sold to various classes of consumers during the year 1983-84 was 102344.49 Gwh and electricity exported outside the country i.e. to Nepal and Bhutan was 89.36 Gwh. The electricity lost in transformation, transmission and distribution system and electricity unaccounted for worked out to 27688.62 representing 21.28% of the total electricity available as compared to 21.14% during 1982-83. Amongst all the regions percentage system losses were maximum in North Eastern Region 24.98%. This was followed by Northern Region 22.95%, Southern Region 22.52%, Western Region 19.34% and Eastern Region 17.45%.

The various tables in this section represents the regionwise, Statewise and Boardwise, T & D losses, transfer of electricity between different systems, electricity consumed in power station auxiliaries.

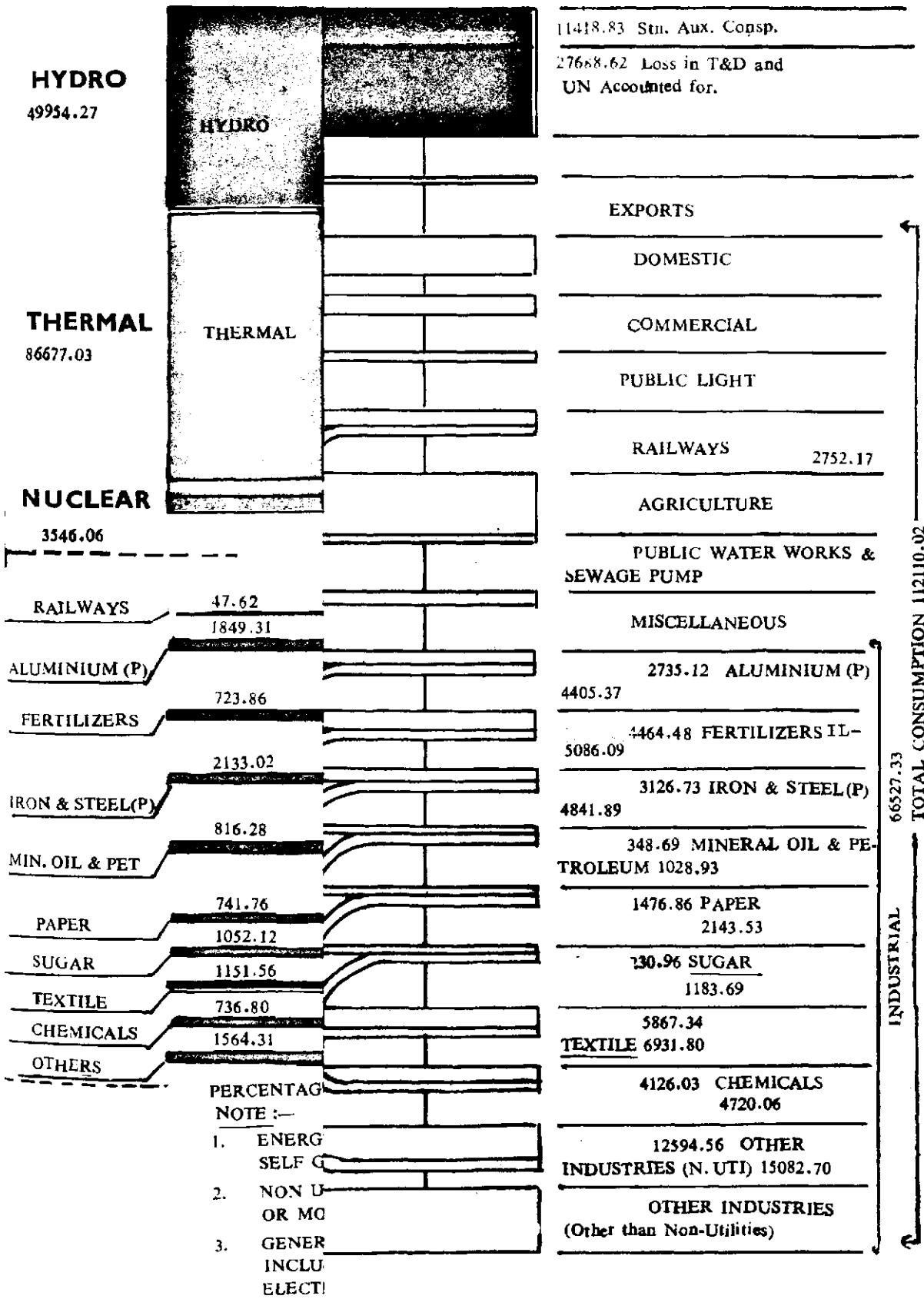
TABLE No. 35

Electricity generated purchased, sold and energy losses (All India Utilities) during 1983-84

| Sl. No. | Item | Energy (GWH) | Percentage of Item 1 |
|------------|--|-----------------|-------------------------|
| 1. | Energy generated (Gross)(utilities) | 1,40,177.36 | 100.00 |
| 2. | Energy used in powerstation auxiliaries | 10,142.44 | 7.24 |
| 3. | Energy generated (Net)i.e.(1)–(2) | 1,30,034.92 | 92.76 |
| | | | |
| | | Energy (GWH) | Percentage of Item 6 |
| 4. | Energy purchased from non-utilities | 83.40 | 0.06 |
| 5. | Energy imported from other countries (Nepal) | 4.15 | Neg. |
| 6. | Energy available for supply i.e.(3)–(4)+(5) | 1,30,122.47 | 100.00 |
| 7. | Energy sold to ultimate consumers | 1,02,344.49 | 78.65 |
| 8. | Energy sold to other countries (Nepal & Bhutan) | 89.36 | 0.07 |
| 9. | Total energy sold i.e.(7)+(8) | 1,02,433.85 | 78.72 |
| 10. | Energy lost in transformation, transmission & distribution and unaccounted for i.e.(6)–(9) | 27,688.62 | 21.28 |

ALL I 33-84

ALL FIGURES IN GWH)



ALL INDIA ELECTRICITY SUPPLY SYSTEM, ELECTRICAL ENERGY BALANCE-1983-84

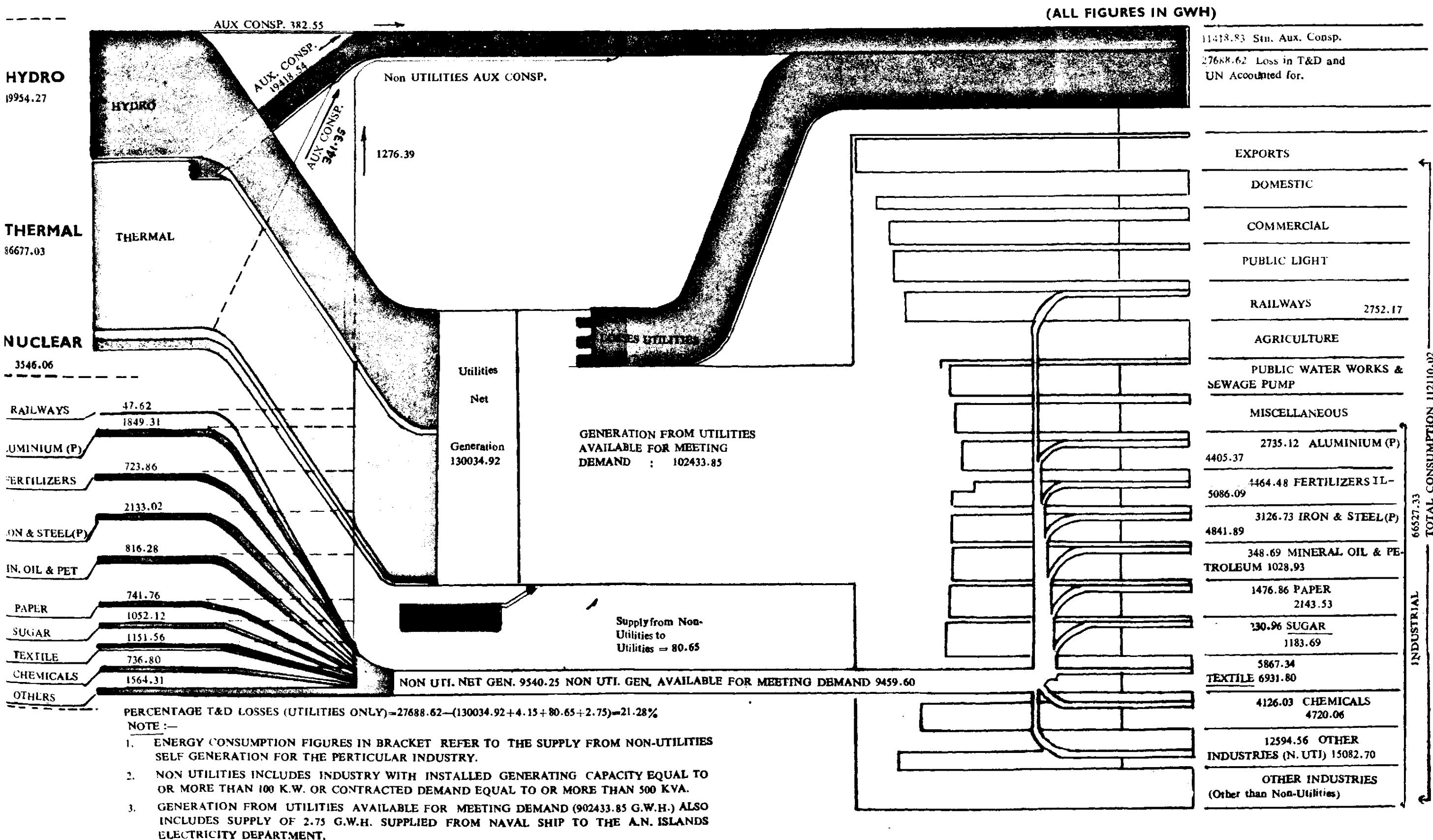


TABLE No. 36
Energy Lost in Transmission and distribution system regionwise during 1983-84

(GWH)

| Region | Northern | Western | Eastern | Southern | North Eastern |
|--|------------------|------------------|------------------|------------------|------------------|
| I. Energy generated net | 37575.31 | 41,636.68 | 17,091.86 | 32,296.60 | 1,434.47 |
| II. Energy Purchased | | | | | |
| (a) from non-utilities | .. | 53.18 | 12.07 | 4.00 | 14.15 |
| (b) from other regions | 105.66 | 501.71 | 750.52 | 573.32 | .. |
| (c) from other countries | .. | .. | 4.15 | .. | .. |
| Sub-Total II | 105.66 | 554.89 | 766.74 | 577.32 | 14.15 |
| III. Total energy available (I + II) | 37,680.97 | 42,191.57 | 17,858.60 | 32,873.92 | 1,448.62 |
| IV. Sales | | | | | |
| (a) to ultimate consumers | 28,319.97 | 33,382.55 | 14,646.17 | 24,955.57 | 1,040.23 |
| (b) to other regions | 692.30 | 649.95 | 29.03 | 514.80 | 45.13 |
| (c) to other countries | 20.36 | .. | 67.59 | .. | 1.41 |
| Sub-Total IV | 29,032.63 | 34,032.50 | 14,742.79 | 25,470.37 | 1,086.77 |
| V. Energy lost in transmission and distribution & unaccounted for | 8,648.34 | 8,159.07 | 3,115.81 | 7,403.55 | 361.85 |
| VI. Percentage energy loss (V/III) | 22.95 | 19.34 | 17.45 | 22.52 | 24.98 |

NOTE :—(1) Net generation of jointly owned projects have been shown divided between the partner states as per their theoretical share.

(2) In the case of projects, jointly owned by states of different regions, excess/less drawal of energy than theoretical share have treated as inter regional purchase/sale respectively.

TABLE No. 37

**Energy generation (Net), inter system Transfer of power utilization of energy and system losses regionwise/
Statewise during 1983-84**

(GWH)

| Region | State/U.Ts. | Net generation in own power houses (other than jointly owned projects and Central Govt. Projects) | ENERGY RECEIVED FROM | | |
|-------------------------|-----------------------------|---|---|-------------------------------|---|
| | | | Jointly owned and Central Govt. Projects (except B.B.M.B. & D.V.C.) | Self generating industries | From other states including B.B.M.B. and D.V.C. includ- ing from outside the country † |
| 1 | 3 | 4 | 5 | 6 | |
| NORTHERN REGION | Haryana | 939.87 | 497.12 | .. | 2,828.75 |
| | Himachal Pradesh | 585.05 | 193.60 | .. | 292.40 |
| | Jammu & Kashmir | 882.98 | 104.90 | .. | 322.54 |
| | Punjab | 2,833.29 | 398.55 | .. | 4,882.22 |
| | Rajasthan | 625.15 | 2,762.05 | .. | 2,528.25 |
| | Uttar Pradesh | 10,668.60 | 2,224.00 | .. | 335.51 |
| | Chandigarh | 0.07 | 20.46 | .. | 257.55 |
| | Delhi | 436.64 | 3,169.15 | .. | 160.26 |
| | B.B.M.B. | 11,233.73 | .. | .. | .. |
| WESTERN REGION | Gujarat | 10,859.98 | 850.57 | 46.31 | 189.49 |
| | Madhya Pradesh | 5,825.82 | 2,680.33 | .. | 430.17 |
| | Maharashtra | 20,429.66 | 990.32 | 6.87 | 295.36 |
| | Goa, Daman & Diu | .. | .. | .. | 347.27 |
| | D. & N. Haveli | .. | .. | .. | 13.24 |
| SOUTHERN REGION | Andhra Pradesh | 9,713.60 | 568.85 | .. | 10.91 |
| | Karnataka | 7,763.04 | 114.05 | .. | 846.59 |
| | Kerala | 3,619.35 | .. | .. | 150.47 |
| | Tamil Nadu | 6,468.56 | 3,868.20 | 4.00 | 46.61 |
| | Pondicherry | .. | .. | .. | 166.28 |
| | Lakshadweep | 2.98 | .. | .. | .. |
| EASTERN REGION | Bihar | 2,088.10 | .. | 9.32 | 3,936.96 |
| | Orissa | 3,521.12 | 373.12 | .. | 71.03 |
| | West Bengal | 5,662.63 | .. | .. | 2,191.33 |
| | D.V.C. | 5,585.31 | .. | .. | 107.54 |
| | A. & N. Islands | 13.79 | .. | 2.75 | .. |
| | Sikkim | 25.06 | .. | .. | .. |
| NORTH EASTERN REGION | Assam | 900.62 | 29.50 | 14.15 | 292.74 |
| | Manipur | 9.15 | .. | .. | 40.05 |
| | Meghalaya | 412.61 | .. | .. | .. |
| | Nagaland | 0.75 | .. | .. | 99.81 |
| | Tripura | 53.57 | .. | .. | 18.30 |
| | Arunachal Pradesh | 21.00 | .. | .. | 4.42 |
| | Mizoram | 7.27 | .. | .. | 11.34 |

TABLE No. 37—Contd.

| Name of State/U.Ts. | Energy availa- ble in the states (3- 4+ 5+ 6) | Energy Sent out to/ Sold to | | Total (8+ 9) |
|----------------------------|--|--|---|-----------------|
| | | other states including out- side the country | Ultimate con- sumers within the State | |
| | 7 | 8 | 9 | 10 |
| Haryana | 4,265.84 | 69.81 | 3,235.10 | 3,304.91 |
| Himachal Pradesh | 1,071.05 | 415.15 | 432.73 | 847.88 |
| Jammu & Kashmir | 1,310.42 | 45.09 | 715.84 | 760.93 |
| Punjab | 8,114.06 | 325.09 | 6,291.02 | 6,616.11 |
| Rajasthan | 5,915.45 | 159.79 | 4,251.14 | 4,410.93 |
| Uttar Pradesh | 13,228.11 | 583.59 | 10,225.86 | 10,809.45 |
| Chandigarh | 278.08 | .. | 208.59 | 208.59 |
| Delhi | 3,766.05 | .. | 2,959.69 | 2,959.69 |
| B.B.M.B. | 11,233.73 | 10,615.96 | .. | 10,615.96 |
| Gujarat | 11,946.35 | 101.51 | 9,302.73 | 9,404.24 |
| Madhya Pradesh | 8,936.32 | 237.08 | 6,899.54 | 7,136.62 |
| Maharashtra | 21,722.21 | 1,085.18 | 16,907.70 | 17,992.88 |
| Goa, Daman & Diu | 347.27 | .. | 261.87 | 261.87 |
| D. & N. Haveli | 13.24 | .. | 10.71 | 10.71 |
| Andhra Pradesh | 10,293.36 | 362.17 | 7,699.56 | 8,061.73 |
| Karnataka | 8,723.68 | 342.46 | 6,316.28 | 6,658.74 |
| Kerala | 3,769.82 | 94.78 | 2,570.37 | 2,665.15 |
| Tamil Nadu | 10,387.37 | 184.96 | 8,233.09 | 8,418.05 |
| Pondicherry | 166.28 | .. | 133.86 | 133.86 |
| Lakshadweep | 2.98 | .. | 2.41 | 2.41 |
| Bihar | 6,034.38 | 120.13 | 4,980.83 | 5,100.96 |
| Orissa | 3,965.97 | 3.11 | 3,237.44 | 3,240.55 |
| West Bengal | 7,853.96 | 100.28 | 6,396.04 | 6,496.32 |
| D.V.C. | 5,692.85 | 5,601.04 | .. | 5,601.04 |
| A. & N. Islands | 16.54 | .. | 13.27 | 13.27 |
| Sikkim | 25.06 | 2.22 | 18.59 | 20.81 |
| Assam | 1,237.01 | 180.41 | 802.43 | 982.84 |
| Manipur | 49.20 | .. | 19.27 | 19.27 |
| Meghalaya | 412.61 | 289.20 | 92.49 | 381.69 |
| Nagaland | 100.56 | 40.05 | 46.15 | 86.20 |
| Tripura | 71.87 | 2.87 | 46.56 | 49.43 |
| Arunachal | 25.42 | 0.67 | 18.91 | 19.58 |
| Mizoram | 18.61 | .. | 14.42 | 14.42 |

TABLE No. 37—Contd.

| Name of State/U.Ts. | Transformation, Transmission, Distribution, Losses and Energy unaccounted for | |
|---------------------------------------|--|---------------|
| | (GWH) (7—10) | % of column 7 |
| Haryana | 960.93 | 22.53 |
| Himachal Pradesh | 223.17* | 20.84 |
| Jammu & Kashmir | 549.49 | 41.93 |
| Punjab | 1,497.95 | 18.46 |
| Rajasthan | 1,504.52 | 25.43 |
| Uttar Pradesh | 2,418.66 | 18.28 |
| Chandigarh | 69.49 | 24.99 |
| Delhi | 806.36 | 21.41 |
| B.B.M.B. | 617.77 | 5.50 |
| Northern Region | 8,648.34 | 22.95 |
| Gujarat | 2,542.11 | 21.28 |
| Madhya Pradesh | 1,799.70 | 20.14 |
| Maharashtra | 3,729.33 | 17.17 |
| Goa, Daman & Diu | 85.40 | 24.59 |
| D. & N. Haveli | 2.53 | 19.11 |
| Western Region | 8,159.07 | 19.34 |
| Andhra Pradesh | 2,231.63 | 21.68 |
| Karnataka | 2,064.94 | 23.67 |
| Kerala | 1,104.67 | 29.30 |
| Tamil Nadu | 1,969.32 | 18.96 |
| Pondicherry | 32.42 | 19.50 |
| Lakshadweep | 0.57 | 19.13 |
| Southern Region | 7,403.55 | 22.52 |
| Bihar | 933.42 | 15.47 |
| Orissa | 725.42 | 18.29 |
| West Bengal | 1,357.64 | 17.29 |
| D.V.C. | 91.81 | 1.61 |
| A. & N. Islands | 3.27 | 19.77 |
| Sikkim | 4.25 | 16.96 |
| Eastern Region | 3,115.81 | 17.45 |
| Assam | 254.17 | 20.55 |
| Manipur | 29.93 | 60.83 |
| Meghalaya | 30.92 | 7.49 |
| Nagaland | 14.36 | 14.28 |
| Tripura | 22.44 | 31.22 |
| Arunachal Pradesh | 5.84 | 22.97 |
| Mizoram | 4.19 | 22.51 |
| North-Eastern Region | 361.85 | 24.98 |
| ALL INDIA | 27,688.62 | 21.28 |

Note :—For details of All India and Regionwise losses refer tables 35 and 36 respectively.

* Includes losses of Baira Siul.

III

TABLE NO. 38

**Energy generation (Net), intersystem transfer of energy, utilisation and losses by State Electricity Boards,
DVC, B.B.M.B & D.E.S.U. during 1983-84**

(GWH)

| Name of the Region/Board/Undertaking | Net Generation in own Power Houses (other than jointly owned Central Govt. Projects) | Energy received from Utilities within State/jointly owned Central Govt. Projects except DVC & B.B.M.B. | Energy received from Other Board's/ Electric Under- takings including DVC & BBMB/ other countries |
|--------------------------------------|--|---|--|
| 1 | 2 | 3 | 4 |
| NORTHERN REGION | | | |
| Haryana | 939.87 | 497.22 | 2,828.75 |
| Himachal Pradesh | 585.05 | 147.64 | 262.35 |
| Jammu & Kashmir | 882.98 | 60.54 | 322.54 |
| Punjab | 2,833.29 | 398.55 | 4,164.83 |
| Rajasthan | 625.15 | 2,625.27 | 2,528.25 |
| Uttar Pradesh | 10,668.60 | 2,214.00 | 335.51 |
| B.B.M.B | 11,233.73 | .. | .. |
| D.E.S.U.* | 436.64 | 3,167.13 | 160.26 |
| WESTERN REGION | | | |
| Gujarat | 9,197.29 | 883.96 | 189.49 |
| Madhya Pradesh | 5,825.82 | 2,635.16 | 430.17 |
| Maharashtra | 16,840.66 | 2,784.71 | 295.36 |
| EASTERN REGION | | | |
| Bihar | 2,088.10 | .. | 2,017.87 |
| Orissa | 3,521.12 | 373.82 | 71.03 |
| West Bengal | 3,113.62 | 428.90 | 518.11 |
| D.V.C. | 5,585.31 | .. | 107.54 |
| SOUTHERN REGION | | | |
| Andhra Pradesh | 9,713.60 | 534.31 | 10.91 |
| Karnataka | 907.04 | 6,957.25 | 846.59 |
| Kerala | 3,619.35 | .. | 150.47 |
| Tamil Nadu | 6,468.56 | 3,424.47 | 46.61 |
| NORTH EASTERN REGION | | | |
| Assam | 900.62 | 29.50 | 292.74 |
| Meghalaya | 412.61 | .. | .. |

ABREVIATIONS :— B.B.M.B.=Bhakra Beas Management Board.
D.E.S.U.=Delhi Electric Supply Undertaking.
*—Provisional.

TABLE No. 37—Contd.

| Name of State/U.Ts. | Transformation, Transmission, Distribution, Losses and Energy unaccounted for | |
|---------------------------------------|--|---------------|
| | (GWH) (7-10) | % of column 7 |
| Haryana | 960.93 | 22.53 |
| Himachal Pradesh | 223.17* | 20.84 |
| Jammu & Kashmir | 549.49 | 41.93 |
| Punjab | 1,497.95 | 18.46 |
| Rajasthan | 1,504.52 | 25.43 |
| Uttar Pradesh | 2,418.66 | 18.28 |
| Chandigarh | 69.49 | 24.99 |
| Delhi | 806.36 | 21.41 |
| B.B.M.B. | 617.77 | 5.50 |
| Northern Region | 8,648.34 | 22.95 |
| Gujarat | 2,542.11 | 21.28 |
| Madhya Pradesh | 1,799.70 | 20.14 |
| Maharashtra | 3,729.33 | 17.17 |
| Goa, Daman & Diu | 85.40 | 24.59 |
| D. & N. Haveli | 2.53 | 19.11 |
| Western Region | 8,159.07 | 19.34 |
| Andhra Pradesh | 2,231.63 | 21.68 |
| Karnataka | 2,064.94 | 23.67 |
| Kerala | 1,104.67 | 29.30 |
| Tamil Nadu | 1,969.32 | 18.96 |
| Pondicherry | 32.42 | 19.50 |
| Lakshadweep | 0.57 | 19.13 |
| Southern Region | 7,403.55 | 22.52 |
| Bihar | 933.42 | 15.47 |
| Orissa | 725.42 | 18.29 |
| West Bengal | 1,357.64 | 17.29 |
| D.V.C. | 91.81 | 1.61 |
| A. & N. Islands | 3.27 | 19.77 |
| Sikkim | 4.25 | 16.96 |
| Eastern Region | 3,115.81 | 17.45 |
| Assam | 254.17 | 20.55 |
| Manipur | 29.93 | 60.83 |
| Meghalaya | 30.92 | 7.49 |
| Nagaland | 14.36 | 14.28 |
| Tripura | 22.44 | 31.22 |
| Arunachal Pradesh | 5.84 | 22.97 |
| Mizoram | 4.19 | 22.51 |
| North-Eastern Region | 361.85 | 24.98 |
| ALL INDIA | 27,688.62 | 21.28 |

Note :—For details of All India and Regionwise losses refer tables 35 and 36 respectively.

* Includes losses of Baltra Sisri.

III

TABLE NO. 38

**Energy generation (Net), intersystem transfer of energy, utilisation and losses by State Electricity Boards,
DVC, B.B.M.B & D.E.S.U. during 1983-84**

(GWH)

| Name of the Region/Board/Undertaking | Net Generation in own Power Houses (other than jointly owned Central Govt. Projects) | Energy received from | |
|--------------------------------------|--|---|--|
| | | Utilities within State/jointly owned Central Govt. Projects except DVC & B.B.M.B. | Other Board's/ Electric Under- takings including DVC & BBMB/ toher countries |
| 1 | 2 | 3 | 4 |
| NORTHERN REGION | | | |
| Haryana | 939.87 | 497.22 | 2,828.75 |
| Himachal Pradesh | 585.05 | 147.64 | 262.35 |
| Jammu & Kashmir | 882.98 | 60.54 | 322.54 |
| Punjab | 2,833.29 | 398.55 | 4,164.83 |
| Rajasthan | 625.15 | 2,625.27 | 2,528.25 |
| Uttar Pradesh | 10,668.60 | 2,214.00 | 335.51 |
| B.B.M.B. | 11,233.73 | .. | .. |
| D.E.S.U.* | 436.64 | 3,167.13 | 160.26 |
| WESTERN REGION | | | |
| Gujarat | 9,197.29 | 883.96 | 189.49 |
| Madhya Pradesh | 5,825.82 | 2,635.16 | 430.17 |
| Maharashtra | 16,840.66 | 2,784.71 | 295.36 |
| EASTERN REGION | | | |
| Bihar | 2,088.10 | .. | 2,017.87 |
| Orissa | 3,521.12 | 373.82 | 71.03 |
| West Bengal | 3,113.62 | 428.90 | 518.11 |
| D.V.C. | 5,585.31 | .. | 107.54 |
| SOUTHERN REGION | | | |
| Andhra Pradesh | 9,713.60 | 534.31 | 10.91 |
| Karnataka | 907.04 | 6,957.25 | 846.59 |
| Kerala | 3,619.35 | .. | 150.47 |
| Tamil Nadu | 6,468.56 | 3,424.47 | 46.61 |
| NORTH EASTERN REGION | | | |
| Assam | 900.62 | 29.50 | 292.74 |
| Meghalaya | 412.61 | .. | .. |

ABREVIATIONS :— B.B.M.B.=Bhakra Beas Management Board.
D.E.S.U.=Delhi Electric Supply Undertaking.
*—Provisional.

TABLE NO. 38—Contd.

(GWH)

| Name of Board/Undertaking | Energy received from self-generating industries | Energy available for supply (including sales outside the State (2-3+4+5) | Energy sold to | |
|----------------------------|---|---|----------------|-----------|
| | 5 | 6 | 7 | 8 |
| Haryana | .. | 4,265.84 | .. | 69.81 |
| Himachal Pradesh | .. | 995.04 | .. | 415.15 |
| Jammu & Kashmir | .. | 1,266.06 | 21.12 | 45.09 |
| Punjab | .. | 7,396.67 | 210.60 | 325.09 |
| Rajasthan | .. | 5,778.67 | 14.11 | 159.79 |
| Uttar Pradesh | .. | 13,218.11 | 46.72 | 583.59 |
| B.B.M.B. | .. | 11,233.73 | .. | 10,615.96 |
| D.E.S.U. | .. | 3,764.03 | 518.90 | 60.10 |
| Gujarat | 46.31 | 10,317.05 | 1,304.98 | 101.51 |
| Madhya Pradesh | .. | 8,891.15 | 69.35 | 237.08 |
| Maharashtra | 6.87 | 19,927.60 | 5,212.98 | 1,085.18 |
| Bihar | 9.32 | 4,115.29 | 17.05 | 120.13 |
| Orissa | .. | 3,965.97 | 12.99 | 3.11 |
| West Bengal | .. | 4,060.63 | 1,064.61 | 36.22 |
| D.V.C. | .. | 5,692.85 | .. | 5,601.04 |
| Andhra Pradesh | .. | 10,258.82 | 119.81 | 362.17 |
| Karnataka | .. | 8,710.88 | 98.00 | 342.46 |
| Kerala | .. | 3,769.82 | 68.49 | 94.78 |
| Tamil Nadu | 4.00 | 9,943.64 | 239.00 | 184.96 |
| Assam | 14.15 | 1,237.01 | .. | 180.41 |
| Meghalaya | .. | 412.61 | .. | 289.20 |

TABLE NO. 38—Contd.

| Name of the Board/Undertaking | Energy sold to ultimate consumers | Total sold (7+8+9) | Transformation, Transmission & Distribution losses and energy unaccounted for | |
|-------------------------------|-----------------------------------|-----------------------|---|---------------|
| | | | (GWH) (6-10) | % of column 6 |
| | 9 | 10 | 11 | 12 |
| Haryana | 3,235.10 | 3,304.91 | 960.93 | 22.53 |
| Himachal Pradesh | 394.97 | 810.12 | 184.92 | 18.58 |
| Jammu & Kashmir | 655.38 | 721.59 | 544.47 | 43.00 |
| Punjab | 5,403.23 | 5,938.92 | 1,457.75 | 19.71 |
| Rajasthan | 4,137.37 | 4,311.27 | 1,467.40 | 25.39 |
| Uttar Pradesh | 10,183.33 | 10,813.64 | 2,104.47 | 18.19 |
| B.B.M.B. | .. | 10,615.96 | 617.77 | 5.50 |
| D.E.S.U. | 2,464.00 | 3,043.00 | 721.03 | 19.16 |
| Gujarat | 6,700.91 | 8,107.40 | 2,209.65 | 21.42 |
| Madhya Pradesh | 6,822.70 | 7,129.13 | 1,762.02 | 19.82 |
| Maharashtra | 10,670.72 | 16,968.88 | 2,938.72 | 14.85 |
| Bihar | 3,052.72 | 3,189.90 | 925.39 | 22.49 |
| Orissa | 3,232.03 | 3,248.13 | 717.84 | 18.10 |
| West Bengal | 2,059.68 | 3,160.51 | 900.12 | 22.17 |
| D.V.C. | .. | 5,601.04 | 91.81 | 1.61 |
| Andhra Pradesh | 7,593.59 | 8,075.57 | 2,183.25 | 21.28 |
| Karnataka | 6,296.00 | 6,666.46 | 2,044.42 | 23.47 |
| Kerala | 2,543.05 | 2,706.32 | 1,063.50 | 28.21 |
| Tamil Nadu | 7,585.00 | 8,008.96 | 1,934.68 | 19.46 |
| Assam | 802.43 | 982.84 | 254.17 | 20.55 |
| Meghalaya | 92.49 | 381.69 | 30.92 | 7.49 |

TABLE NO. 39

Statement showing pilferage/misuse of energy as reported by state electricity boards during 1983-84

| Name of the Region | Name of the Electricity Board | No. of cases where inspections were carried out | No. of cases where theft or misuse was detected | Estimated quantity of energy considered as pilferage or misuse (GWH) |
|-----------------------------|-------------------------------|---|---|--|
| NORTHERN REGION | Haryana | N.A. | N.A. | N.A. |
| | Himachal Pradesh | N.A. | N.A. | N.A. |
| | Jammu & Kashmir | N.A. | N.A. | N.A. |
| | Punjab | 609,373 | 11,101 | 25.21 |
| | Rajasthan | N.A. | N.A. | N.A. |
| | Uttar Pradesh | 23,335 | 3,647 | 72.70 |
| WESTERN REGION. | Gujarat | N.A. | N.A. | N.A. |
| | Madhya Pradesh | 390,634 | 12,627 | N.A. |
| | Maharashtra | 70,137 | 4,775 | 99.67 |
| SOUTHERN REGION | Andhra Pradesh | 10,453 | 6,902 | 30.71 |
| | Karnataka | N.A. | N.A. | N.A. |
| | Kerala | N.A. | N.A. | N.A. |
| | Tamil Nadu | 584,981 | 1,382 | 4.54 |
| EASTERN REGION | Bihar | N.A. | N.A. | N.A. |
| | Orissa | 640 | 103 | 0.02 |
| | West Bengal | 275 | 270 | 0.06 |
| NORTH EASTERN REGION | Assam | N.A. | N.A. | N.A. |
| | Meghalaya | N.A. | N.A. | N.A. |

Note.— N.A. — Data not available

TABLE NO. 40

**Gross Generation, net energy generation and auxiliary Consumption (Utilities only) Primemoverwise
Regionwise/Statewise during 1983-84**

| Region | Name of the State/ U.Ts. | TOTAL | | | |
|----------------------|---------------------------|---------------------------|-------------------------|-----------------------|--------------------------|
| | | Gross generation (GWH) | Net generation (GWH) | Auxiliary Consumption | |
| | | | | (GWH) | % to gross generation |
| NORTHERN REGION | Haryana | 4,916.70 | 4,678.39 | 238.40 | 4.85 |
| | Himachal Pradesh | 586.60 | 585.05 | 1.55 | 0.26 |
| | Jammu & Kashmir | 892.59 | 882.98 | 9.61 | 1.08 |
| | Punjab | 8,383.44 | 8,079.75 | 303.69 | 3.62 |
| | Rajasthan | 4,448.53 | 4,276.51 | 172.02 | 3.87 |
| | Uttar Pradesh | 11,683.25 | 10,668.60 | 1,014.65 | 8.68 |
| | Chandigarh | 0.09 | 0.07 | 0.02 | 22.22 |
| | Delhi | 1,037.29 | 918.53 | 118.76 | 11.45 |
| WESTERN REGION | Central Sector | 8,368.43 | 7,485.43 | 883.00 | 10.55 |
| | Sub-Total | 40,317.01 | 37,575.31 | 2,741.70 | 6.80 |
| | Gujarat | 11,998.45 | 10,859.98 | 1,138.47 | 9.49 |
| SOUTHERN REGION | Madhya Pradesh | 8,132.88 | 7,336.79 | 796.09 | 9.79 |
| | Maharashtra | 21,911.68 | 20,429.66 | 1,482.02 | 6.76 |
| | D. & N. Haveli | .. | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. | .. |
| | Central Sector | 3,342.20 | 3,010.25 | 331.95 | 9.93 |
| | Sub-Total | 45,385.21 | 41,636.68 | 3,749.53 | 8.26 |
| EASTERN REGION | Andhra Pradesh | 11,012.10 | 10,346.03 | 666.07 | 6.05 |
| | Karnataka | 7,823.97 | 7,806.91 | 17.06 | 0.22 |
| | Kerala | 3,643.39 | 3,619.35 | 24.04 | 0.66 |
| | Tamil Nadu | 6,940.98 | 6,468.56 | 472.42 | 6.81 |
| | Lakshadweep | 3.04 | 2.98 | 0.06 | 1.97 |
| | Pondicherry | .. | .. | .. | .. |
| | Central Sector | 4,553.56 | 4,052.77 | 500.79 | 11.00 |
| NORTH EASTERN REGION | Sub-Total | 33,977.04 | 32,296.60 | 1,680.44 | 4.94 |
| | Bihar | 2,458.80 | 2,088.10 | 370.70 | 15.08 |
| | Orissa | 3,855.75 | 3,716.97 | 138.78 | 3.60 |
| | West Bengal | 6,297.32 | 5,662.63 | 634.69 | 10.08 |
| | D. V.C. . . . | 6,336.60 | 5,585.31 | 751.29 | 11.86 |
| | A & N Islands | 14.35 | 13.79 | 0.56 | 3.90 |
| | Sikkim | 27.78 | 25.06 | 2.72 | 9.79 |
| TOTAL (ALL INDIA) | Sub-Total | 18,990.60 | 17,091.86 | 1,898.74 | 10.00 |
| | Assam | 967.70 | 900.62 | 67.08 | 6.93 |
| | Manipur | 9.61 | 9.15 | 0.46 | 4.79 |
| | Meghalaya | 414.68 | 412.61 | 2.07 | 0.50 |
| | Nagaland | 0.76 | 0.75 | 0.01 | 1.31 |
| | Tripura | 54.06 | 53.57 | 0.49 | 0.91 |
| | Arunachal Pradesh | 22.14 | 21.00 | 1.14 | 5.15 |
| | Mizoram | 7.55 | 7.27 | 0.28 | 3.71 |
| TOTAL (ALL INDIA) | Central Sector | 31.00 | 29.50 | 1.50 | 4.84 |
| | Sub-Total | 1,507.50 | 1,434.47 | 73.03 | 4.84 |
| TOTAL (ALL INDIA) | | 140,177.36 | 130,034.92 | 10,142.44 | 7.23 |

TABLE NO. 40—Contd.

| Region | State/U.Ts. | HYDRO | | | Auxiliary Consumption (GWH) | % to gross generation |
|-----------------------------|-------------------------|---------------------------|-------------------------|------------------|--------------------------------|-----------------------|
| | | Gross Generation (GWH) | Net generation (GWH) | | | |
| NORTHERN REGION | Haryana . . . | 3,515.42 | 3,497.61 | 17.81 | 0.51 | |
| | Himachal Pradesh . . . | 586.56 | 585.01 | 1.55 | 0.26 | |
| | Jammu & Kashmir . . . | 889.54 | 880.23 | 9.31 | 1.05 | |
| | Punjab . . . | 6,179.46 | 6,149.03 | 30.43 | 0.49 | |
| | Rajasthan . . . | 2,980.84 | 2,952.79 | 28.05 | 0.94 | |
| | Uttar Pradesh . . . | 4,020.12 | 4,009.05 | 11.07 | 0.27 | |
| | Chandigarh . . . | .. | .. | .. | .. | |
| | Delhi . . . | .. | .. | .. | .. | |
| | Central Sector . . . | 849.48 | 846.78 | 2.70 | 0.32 | |
| | | Sub-Total . . . | 19,021.42 | 18,920.50 | 100.92 | 0.53 |
| WESTERN REGION | Gujarat . . . | 1,090.71 | 1,083.18 | 7.53 | 0.69 | |
| | Madhya Pradesh . . . | 469.79 | 463.13 | 6.66 | 1.42 | |
| | Maharashtra . . . | 6,177.56 | 6,044.75 | 132.81 | 2.15 | |
| | D. & N. Haveli . . . | .. | .. | .. | .. | |
| | Goa, Daman & Diu . . . | .. | .. | .. | .. | |
| | Central Sector . . . | .. | .. | .. | .. | |
| | | Sub-Total . . . | 7,738.06 | 7,591.06 | 147.00 | 1.90 |
| SOUTHERN REGION | Andhra Pradesh . . . | 5,102.80 | 5,046.23 | 56.57 | 1.11 | |
| | Karnataka . . . | 7,823.97 | 7,806.91 | 17.06 | 0.22 | |
| | Kerala . . . | 3,643.39 | 3,619.35 | 24.04 | 0.66 | |
| | Tamil Nadu . . . | 2,960.11 | 2,949.15 | 10.96 | 0.30 | |
| | Lakshadweep . . . | .. | .. | .. | .. | |
| | Pondicherry . . . | .. | .. | .. | .. | |
| | Central Sector . . . | .. | .. | .. | .. | |
| | | Sub-Total . . . | 19,530.27 | 19,421.64 | 108.63 | 0.56 |
| EASTERN REGION | Bihar . . . | 186.63 | 185.86 | 0.77 | 0.41 | |
| | Orissa . . . | 2,587.13 | 2,573.41 | 13.72 | 0.53 | |
| | West Bengal . . . | 111.69 | 110.80 | 0.89 | 0.80 | |
| | D.V.C. . . | 232.54 | 229.63 | 2.91 | 1.25 | |
| | A. & N. Islands . . . | .. | .. | .. | .. | |
| | Sikkim . . . | 27.67 | 24.96 | 2.71 | 9.79 | |
| | | Sub-Total . . . | 3,145.66 | 3,124.66 | 21.00 | 0.67 |
| NORTH EASTERN REGION | Assam . . . | .. | .. | .. | .. | |
| | Manipur . . . | 0.79 | 0.79 | neg. | .. | |
| | Meghalaya . . . | 414.68 | 412.61 | 2.07 | 0.50 | |
| | Nagaland . . . | 0.59 | 0.59 | neg. | .. | |
| | Tripura . . . | 52.76 | 52.29 | 0.47 | 0.89 | |
| | Arunachal Pradesh . . . | 19.04 | 18.08 | 0.96 | 5.04 | |
| | Mizoram . . . | .. | .. | .. | .. | |
| | Central Sector . . . | 31.00 | 29.50 | 1.50 | 4.84 | |
| | | Sub-Total . . . | 518.86 | 513.86 | 5.00 | 0.96 |
| | | TOTAL (ALL INDIA) | 49,954.27 | 49,571.72 | 382.55 | 0.76 |

TABLE NO. 40—Contd.

| Region | State/U.Ts. | STEAM | | | |
|----------------------|-------------------|---------------------------|-------------------------|--------------------------------|--------------------------|
| | | Gross generation (GWH) | Net generation (GWH) | Auxiliary Consumption (GWH) | % to gross generation |
| NORTHERN REGION | Haryana | 1,401.37 | 1,180.78 | 220.59 | 15.74 |
| | Himachal Pradesh | .. | .. | .. | .. |
| | Jammu & Kashmir | 3.05 | 2.75 | 0.30 | 9.84 |
| | Punjab | 2,203.98 | 1,930.72 | 273.26 | 12.40 |
| | Rajasthan | 1,467.63 | 1,323.66 | 143.97 | 9.81 |
| | Uttar Pradesh | 7,663.13 | 6,659.55 | 1,003.58 | 13.10 |
| | Chandigarh | .. | .. | .. | .. |
| | Delhi | 1,037.20 | 918.49 | 118.71 | 11.44 |
| | Central Sector | 6,274.94 | 5,532.07 | 742.87 | 11.84 |
| Sub-Total | | 20,051.30 | 17,548.02 | 2,503.28 | 12.48 |
| WESTERN REGION | Gujarat | 10,907.65 | 9,776.72 | 1,130.93 | 10.37 |
| | Madhya Pradesh | 7,663.09 | 6,873.66 | 789.43 | 10.30 |
| | Maharashtra | 14,139.60 | 12,799.09 | 1,340.51 | 9.48 |
| | Dadra & N. Haveli | .. | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. | .. |
| | Central Sector | 1,485.15 | 1,309.12 | 176.03 | 11.85 |
| Sub-Total | | 34,195.49 | 30,758.59 | 3,436.90 | 10.05 |
| SOUTHERN REGION | Andhra Pradesh | 5,909.30 | 5,299.80 | 609.50 | 10.31 |
| | Karnataka | .. | .. | .. | .. |
| | Kerala | .. | .. | .. | .. |
| | Tamil Nadu | 3,980.87 | 3,519.41 | 461.46 | 11.59 |
| | Lakshadweep | .. | .. | .. | .. |
| | Pondicherry | .. | .. | .. | .. |
| | Central Sector | 4,108.56 | 3,655.77 | 452.79 | 11.02 |
| Sub-Total | | 13,998.73 | 12,474.98 | 1,523.75 | 10.88 |
| EASTERN REGION | Bihar | 2,271.42 | 1,901.52 | 369.90 | 16.28 |
| | Orissa | 1,268.62 | 1,143.56 | 125.06 | 9.86 |
| | West Bengal | 6,110.48 | 5,478.52 | 631.96 | 10.34 |
| | D.V.C. | 6,104.06 | 5,355.68 | 748.38 | 12.26 |
| | A. & N. Islands | 0.52 | 0.47 | 0.05 | 9.61 |
| | Sikkim | .. | .. | .. | .. |
| Sub-Total | | 15,755.10 | 13,879.75 | 1,875.35 | 11.90 |
| NORTH EASTERN REGION | Assam | 434.67 | 392.98 | 41.69 | 9.59 |
| | Manipur | .. | .. | .. | .. |
| | Meghalaya | .. | .. | .. | .. |
| | Nagaland | .. | .. | .. | .. |
| | Tripura | .. | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. | .. |
| | Mizoram | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. |
| Sub-Total | | 434.67 | 392.98 | 41.69 | 9.59 |
| TOTAL (ALL INDIA) | | 84,435.29 | 75,054.32 | 9,380.97 | 11.11 |

TABLE NO. 40--Contd.

| Region | State/U.Ts. | DIESEL | | | |
|----------------------|-------------------|------------------------|----------------------|-----------------------------|-----------------------|
| | | Gross generation (GWH) | Net generation (GWH) | Auxiliary Consumption (GWH) | % to gross generation |
| NORTHERN REGION | Haryana | .. | .. | .. | .. |
| | Himachal Pradesh | 0.04 | 0.04 | Neg. | .. |
| | Jammu & Kashmir | .. | .. | .. | .. |
| | Punjab | .. | .. | .. | .. |
| | Rajasthan | 0.06 | 0.06 | Neg. | .. |
| | Uttar Pradesh | .. | .. | .. | .. |
| | Chandigarh | 0.09 | 0.07 | 0.02 | 22.22 |
| | Delhi | 0.09 | 0.04 | 0.05 | 55.55 |
| CENTRAL SECTOR | Central Sector | .. | .. | .. | .. |
| | Sub-Total | 0.28 | 0.21 | 0.07 | 25.00 |
| | | | | | |
| WESTERN REGION | Gujarat | 0.09 | 0.08 | 0.01 | 11.11 |
| | Madhya Pradesh | .. | .. | .. | .. |
| | Maharashtra | .. | .. | .. | .. |
| | D. & N. Haveli | .. | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. |
| CENTRAL SECTOR | Sub-Total | 0.09 | 0.08 | 0.01 | 11.11 |
| | | | | | |
| | | | | | |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. | .. |
| | Karnataka | .. | .. | .. | .. |
| | Kerala | .. | .. | .. | .. |
| | Tamil Nadu | .. | .. | .. | .. |
| | Lakshadweep | 3.04 | 2.98 | 0.06 | 1.97 |
| | Pondicherry | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. |
| CENTRAL SECTOR | Sub-Total | 3.04 | 2.98 | 0.06 | 1.97 |
| | | | | | |
| | | | | | |
| EASTERN REGION | Bihar | 0.75 | 0.72 | 0.03 | 4.00 |
| | Orissa | .. | .. | .. | .. |
| | West Bengal | 4.01 | 3.72 | 0.29 | 7.23 |
| | D.V.C. | .. | .. | .. | .. |
| | A. & N. Islands | 13.83 | 13.32 | 0.51 | 3.69 |
| | Sikkim | 0.11 | 0.10 | 0.01 | 9.09 |
| CENTRAL SECTOR | Sub-Total | 18.70 | 17.86 | 0.84 | 4.49 |
| | | | | | |
| | | | | | |
| NORTH EASTERN REGION | Assam | .. | .. | .. | .. |
| | Manipur | 8.82 | 8.36 | 0.46 | 5.21 |
| | Meghalaya | .. | .. | .. | .. |
| | Nagaland | 0.17 | 0.16 | 0.01 | 5.88 |
| | Tripura | 1.30 | 1.28 | 0.02 | 1.54 |
| | Arunachal Pradesh | 3.10 | 2.92 | 0.18 | 5.81 |
| | Mizoram | 7.55 | 7.27 | 0.28 | 3.71 |
| | Central Sector | .. | .. | .. | .. |
| CENTRAL SECTOR | Sub-Total | 20.94 | 19.99 | 0.95 | 4.54 |
| | | | | | |
| TOTAL (ALL INDIA) | | 43.05 | 41.12 | 1.93 | 4.48 |

TABLE NO. 40—Contd.

| Region | Name of State/U.Ts. | GAS | | | Auxiliary Consumption (GWH) | %to gross generation |
|----------------------|---------------------|---------------------------|-------------------------|-------|--------------------------------|-------------------------|
| | | Gross generation (GWH) | Net generation (GWH) | | | |
| NORTHERN REGION | Haryana | .. | .. | .. | .. | .. |
| | Himachal Pradesh | .. | .. | .. | .. | .. |
| | Jammu & Kashmir | .. | .. | .. | .. | .. |
| | Punjab | .. | .. | .. | .. | .. |
| | Rajasthan | .. | .. | .. | .. | .. |
| | Uttar Pradesh | .. | .. | .. | .. | .. |
| | Chandigarh | .. | .. | .. | .. | .. |
| | Delhi | .. | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. | .. |
| | Sub-Total | .. | .. | .. | .. | .. |
| WESTERN REGION | Gujarat | .. | .. | .. | .. | .. |
| | Madhya Pradesh | .. | .. | .. | .. | .. |
| | Maharashtra | 1,594.52 | 1,585.82 | 8.70 | 0.54 | |
| | D. & N. Haveli | .. | .. | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. | .. |
| | Sub-Total | 1,594.52 | 1,585.82 | 8.70 | 0.54 | |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. | .. | .. |
| | Karnataka | .. | .. | .. | .. | .. |
| | Kerala | .. | .. | .. | .. | .. |
| | Tamil Nadu | .. | .. | .. | .. | .. |
| | Lakshadweep | .. | .. | .. | .. | .. |
| | Pondicherry | .. | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. | .. |
| | Sub-Total | .. | .. | .. | .. | .. |
| EASTERN REGION | Bihar | .. | .. | .. | .. | .. |
| | Orissa | .. | .. | .. | .. | .. |
| | West Bengal | 71.14 | 69.59 | 1.55 | 2.18 | |
| | D.V.C. | .. | .. | .. | .. | .. |
| | A. & N. Islands | .. | .. | .. | .. | .. |
| | Sikkim | .. | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. | .. |
| | Sub-Total | 71.14 | 69.59 | 1.55 | 2.18 | |
| NORTH EASTERN REGION | Assam | 533.03 | 507.64 | 25.39 | 4.76 | |
| | Manipur | .. | .. | .. | .. | .. |
| | Meghalaya | .. | .. | .. | .. | .. |
| | Tripura | .. | .. | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. | .. | .. |
| | Mizoram | .. | .. | .. | .. | .. |
| | Nagaland | .. | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. | .. |
| | Sub-Total | 533.03 | 507.64 | 25.39 | 4.76 | |
| | (TOTAL (ALL INDIA)) | 2,198.69 | 2,163.05 | 35.64 | 1.62 | |

TABLE NO. 40—Contd.

| Region | Name of State/U.Ts. | NUCLEAR | | | |
|----------------------------|-----------------------------|---------------------------|-------------------------|--------------------------------|--------------------------|
| | | Gross generation (GWH) | Net generation (GWH) | Auxiliary Consumption (GWH) | % to gross generation |
| NORTHERN REGION | Haryana | .. | .. | .. | .. |
| | Himachal Pradesh | .. | .. | .. | .. |
| | Jammu & Kashmir | .. | .. | .. | .. |
| | Punjab | .. | .. | .. | .. |
| | Rajasthan | .. | .. | .. | .. |
| | Uttar Pradesh | .. | .. | .. | .. |
| | Chandigarh | .. | .. | .. | .. |
| | Delhi | .. | .. | .. | .. |
| | Central Sector | 1,244·01 | 1,106·58 | 137·43 | 11·05 |
| Sub-Total | | 1,244·01 | 1,106·58 | 137·43 | 11·05 |
| WESTERN REGION | Gujarat | .. | .. | .. | .. |
| | Madhya Pradesh | .. | .. | .. | .. |
| | Maharashtra | .. | .. | .. | .. |
| | D. & N. Havelli | .. | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. | .. |
| | Central Sector | 1,857·05 | 1,701·13 | 155·92 | 8·40 |
| Sub-Total | | 1,857·05 | 1,701·13 | 155·92 | 8·40 |
| SOUTHERN REGION | Andhra Pradesh | .. | .. | .. | .. |
| | Karnataka | .. | .. | .. | .. |
| | Kerala | .. | .. | .. | .. |
| | Tamil Nadu | .. | .. | .. | .. |
| | Lakshadweep | .. | .. | .. | .. |
| | Pondicherry | .. | .. | .. | .. |
| | Central Sector | 445·00 | 397·00 | 48·00 | 10·79 |
| Sub-Total | | 445·00 | 397·00 | 48·00 | 10·79 |
| EASTERN REGION | Bihar | .. | .. | .. | .. |
| | Orissa | .. | .. | .. | .. |
| | West Bengal | .. | .. | .. | .. |
| | D.V.C. | .. | .. | .. | .. |
| | A. & N. Islands | .. | .. | .. | .. |
| | Sikkim | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. |
| Sub-Total | | .. | .. | .. | .. |
| NORTH EASTERN REGION | Assam | .. | .. | .. | .. |
| | Manipur | .. | .. | .. | .. |
| | Meghalaya | .. | .. | .. | .. |
| | Tripura | .. | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. | .. |
| | Mizoram | .. | .. | .. | .. |
| | Nagaland | .. | .. | .. | .. |
| | Central Sector | .. | .. | .. | .. |
| Sub-Total | | .. | .. | .. | .. |
| TOTAL (ALL INDIA). | | 3,546·06 | 3,204·71 | 341·35 | 9·63 |

TABLE No. 41
Share of participating states in jointly owned power stations during 1983-84

| Name of Power Station | Name of Participating States | Share of participating States | | Total capacity (MW) | | |
|--|------------------------------|-------------------------------|-----------|---------------------|--|--|
| | | % | I.C. (MW) | | | |
| BHAKRA BEAS | | | | | | |
| MANAGEMENT BOARD | | | | | | |
| (A) Bhakra Nangal Complex(Hydro) | Haryana | 84.78 x 40% | 408.47 | 1,204.50* | | |
| | Punjab | 84.78 x 60% | 612.70 | | | |
| | Rajasthan | 15.22 | 183.33 | | | |
| (B) Debar(Hydro) | Haryana | 32 | 316.80 | 990.00 | | |
| | Punjab | 48 | 475.20 | | | |
| | Rajasthan | 20 | 198.00 | | | |
| (C) Pong(Hydro) | Haryana | 16.6 | 59.76 | 360.00 | | |
| | Punjab | 24.9 | 89.64 | | | |
| | Rajasthan | 58.5 | 210.60 * | | | |
| INDRAPRASTHA EXTN. | | | | | | |
| (Steam) | Delhi | 66.67 | 125.00 | 187.50 | | |
| | Haryana | 33.33 | 62.50 | | | |
| CHAMBAL PROJECTS | | | | | | |
| (A) Gandhi Sagar(Hydro) . . . | Madhya Pradesh . . . | 50 | 57.50 | 115.00 | | |
| | Rajasthan | 50 | 57.50 | | | |
| (B) Jawahar Sagar(Hydro) . . . | Madhya Pradesh . . . | 50 | 49.50 | 99.00 | | |
| | Rajasthan | 50 | 49.50 | | | |
| (C) Rana Pratap Sagar(Hydro) . | Madhya Pradesh . . . | 50 | 86.00 | 172.00 | | |
| | Rajasthan | 50 | 86.00 | | | |
| (D) Satpura (Steam) | Madhya Pradesh . . . | 60 | 187.50 | 312.50 | | |
| | Rajasthan | 40 | 125.00 | | | |
| MACHKUND (HYDRO) | | | | | | |
| | Andhra Pradesh . . . | 70 | 80.33 | 114.75 | | |
| | Orissa | 30 | 34.42 | | | |
| THUNGHBADRA DAM & HAMPI (HYDRO) | | | | | | |
| | Andhra Pradesh . . . | 80 | 57.60 | 72.00 | | |
| | Karnataka | 20 | 14.40 | | | |

Note :— * It comprise of capacity of Ganguwal 77.25 MW, Kotla 77.25 MW Bhakra left bank 450 MW and Bhakra Right Bank 600 MW.

I.C.—Installed Capacity

TABLE No. 41—Contd.

| Name of the Power Station | Energy generated (GWH) | | Energy off-take by States** (GWH) |
|---|------------------------|----------|--|
| | Gross | Net | |
| B.B.M.B. | | | |
| (A) Bhakra Nangal Complex(Hydro). | 7,041.89 | 7,027.92 | Haryana 2,799.16 Punjab 3,987.74 Rajasthan 2,150.26 |
| (B) Dehar(Hydro) | 2,731.19 | 2,702.33 | Jammu & Kashmir . . 322.41 R.F.F. . . . 183.00 |
| (C) Pong(Hydro) | 1,526.64 | 1,503.48 | Nangal Fertilizers . . 707.39 I.B. Bhakra 10.00 Chandigarh 191.92 Himachal Pradesh 264.08 (Old & New including BSL) B.B.M.B. System. . . . 617.77 Losses |
| Indraprastha Extn.(Steam)(Unit 2, 3 & 4) | 797.44 | 722.80 | Delhi 524.46 Haryana 198.34 |
| Chambal Projects | | | |
| (A) Gandhi Sagar(Hydro) . . . | 272.44 | 271.56 | |
| (B) Jawahar Sagar(Hydro) . . . | 286.10 | 285.62 | Madhya Pradesh 1,510.97 |
| (C) Rana Pratap Sagar(Hydro) . . | 381.04 | 369.08 | Rajasthan 1,161.70 |
| (D) Satpura (Steam) | 1,931.39 | 1,746.41 | |
| Machkund(Hydro) | 655.23 | 652.84 | Andhra Pradesh 279.02 Orissa 373.82 |
| Tungabhadra Dam & Hampi(Hydro) . | 220.06 | 219.31 | Andhra Pradesh 105.26 Karnataka 114.05 |

Note :— **Including losses. Excluding B.B.M.B. System

I.B. Bhakra—means Irrigation Board Bhakra.

B.B.M.B.—means Bhakra Beas Management Board.

TABLE No. 42

Installed capacity, energy generated, energy sent out by central Govt. projects & D.V.C. during 1983-84

| Name of Power Station | Installed capacity (MW) | Energy generated (GWH) | | Off-take by States including losses |
|--|-------------------------|------------------------|-------------|---|
| | | Gross | Net | |
| Bidarpur Thermal Power Station | | | | |
| (Steam) | 720.00 | 3,073.94 | 2,645.07 | Chandigarh 20.46 Punjab 11.01 Delhi 2,503.46 Haryana 11.38 H.P.S.E.B. 31.43 Bairasul(HP) 5.90 J & K 33.54 H.E. Project Salai(J&K) 25.77 Rajasthan 12.77 U.P. 19.00 |
| | | | | Total 2,643.05 |
| Baira Siul(Hydro) | | | | |
| | 180.00 | 849.49 | 846.78 | Delhi 83.21 H.P. 129.17 55 Haryana 234.50 Punjab 355.54 Salai 44.36 |
| Singrauli S.T.P.S. | | | | |
| | 1,050.00 | 3,201.00 | 2,887.00(A) | J & K 27.00 H.S.E.B. 53.00 R.S.E.B. 481.00 P.S.E.B. 32.00 D.E.S.U. 56.00 U.P.S.E.B. 2,195.00 H.P. 33.00 |
| Rajasthan Atomic Power Project (Nuclear) | | | | |
| | 440.00 | 1,244.01 | 1,106.58 | Rajasthan 1,106.58 |
| Tarapur Atomic Power Station (Nuclear) | | | | |
| | 420.00 | 1,857.05 | 1,701.13 | Gujarat 850.57 Maharashtra 850.56 |
| | | | | Total 1,701.13 |
| Kalyan Steam Power Station(Chola Central Railway) | | | | |
| | 96.00 | 160.85 | 139.76 | Maharashtra 139.76 |
| Korba S.T.P.S. | | | | |
| | 630.00 | 1,324.30 | 1,169.36 | M.P. 1,169.36 |
| Damodar Valley Corporation@ | | | | |
| | 1,631.50 | 6,336.60 | 5,585.31 | Bihar 3,450.57* West Bengal 2,136.22** Orissa 6.29 U.P.S.E.B. 7.96 |
| | | | | Total 5,601.04@@ |
| Neyveli Lignite Corporation (Steam). | | | | |
| | 600.00 | 3,903.30 | 3,471.20 | Tamil Nadu 3,027.47 |

124

TABLE No. 42—Contd.

| Name of Power Station | Installed capacity (MW) | Energy generated (GWH) | | Off-take by States including losses | |
|-------------------------------|----------------------------|---------------------------|--------|-------------------------------------|--------|
| | | Gross | Net | | |
| Ramagundum S.T.P.S. | 200.00 | 205.26 | 184.57 | Andhra Pradesh | 184.57 |
| Kalpakkam (Nuclear) | 235.00 | 445.00 | 397.00 | Tamil Nadu | 397.00 |
| Kopili (Hydro) | 50.00 | 0.74 | 0.74 | Assam | 0.74 |
| Loktak(Hydro) | 105.00 | 30.26 | 28.76 | Assam | 28.76 |

Note :— £ 2.02 GWH(difference between net generation and energy sent out) has been consumed by Badarpur Power Station within works and colony.

@ D.V.C. is owned by three partners viz. Central Govt; Bihar Govt; and West Bengal Government.

@@ Net generation does not tally with the total energy sent out by D.V.C. since it includes energy purchased by D.V.C.

* Includes 1919.09 GWH direct sales by D.V.C. to ultimate consumers in Bihar area.

** Includes 742.04 GWH direct sales by D.V.C. to ultimate consumers in West Bengal area.

\$ 443.73 GWH(difference between net generation and energy sent out has been consumed by Neyveli Lignite Corporation with in works.

\$\$ Includes losses of energy and colony consumption of 38.25 & 7.71 Mkwh respectively.

(A) 10.00 GWH (difference between net generation and energy sent out) has been consumed by colony & for construction.

TABLE No. 43

Statement showing Interstate Transfer of Power Regionwise/Statewise during 1983-84

| Name of Supplier | Name of Purchaser | Energy Transferred (GWH) |
|-------------------------|------------------------------|--------------------------|
| NORTHERN REGION | | |
| Haryana S.E.B. | Punjab S.E.B. | 4.70 |
| Haryana S.E.B. | Chandigarh | 19.49 |
| Haryana S.E.B. | Himachal Pradesh S.E.B. | 4.89 |
| Haryana S.E.B. | Rajasthan S.E.B. | 38.75 |
| Haryana S.E.B. | Uttar Pradesh S.E.B. | 1.98 |
| Himachal Pradesh S.E.B. | Punjab S.E.B. | 172.39 |
| Himachal Pradesh S.E.B. | Uttar Pradesh S.E.B. | 216.96 |
| Himachal Pradesh S.E.B. | D.E.S.U. | 12.81 |
| Himachal Pradesh S.E.B. | Rajasthan S.E.B. | 12.99 |
| Jammu & Kashmir S.E.B. | Rajasthan S.E.B. | 2.72 |
| Jammu & Kashmir S.E.B. | D.E.S.U. | 36.12 |
| Jammu & Kashmir S.E.B. | Haryana S.E.B. | 1.62 |
| Jammu & Kashmir S.E.B. | Uttar Pradesh S.E.B. | 4.63 |
| Punjab S.E.B. | Himachal Pradesh S.E.B. | 6.08 |
| Punjab S.E.B. | Chandigarh | 46.14 |
| Punjab S.E.B. | D.E.S.U. | 101.75 |
| Punjab S.E.B. | Haryana S.E.B. | 27.97 |
| Punjab S.E.B. | Jammu & Kashmir S.E.B. | 0.13 |
| Punjab S.E.B. | Rajasthan S.E.B. | 79.90 |
| Punjab S.E.B. | Uttar Pradesh S.E.B. | 63.12 |
| Rajasthan S.E.B. | D.E.S.U. | 9.58 |
| Rajasthan S.E.B. | Uttar Pradesh S.E.B. | 3.79 |
| Uttar Pradesh S.E.B. | Himachal Pradesh S.E.B. | 17.35 |
| WESTERN REGION | | |
| Gujarat Electy. Board | Maharashtra S.E.B. | 74.56 |
| Gujarat Electy. Board | Dadra & Nagar Haveli | 13.24 |
| Gujarat Electy. Board | Goa, Daman & Diu | 13.71 |
| M.P. Electy. Board | Maharashtra S.E.B. | 150.80 |
| Maharashtra S.E.B. | Madhya Pradesh S.E.B. | 146.69 |
| Maharashtra S.E.B. | Goa, Daman & Diu | 185.33 |
| Maharashtra S.E.B. | Gujarat Electy. Board | 189.49 |
| EASTERN REGION | | |
| Bihar S.E.B. | West Bengal S.E.B. | 7.76 |
| Bihar S.E.B. | Orissa S.E.B. | 20.78 |
| Bihar S.E.B. | D.V.C. | 25.15 |
| Orissa S.E.B. | Bihar S.E.B. | 3.02 |
| West Bengal S.E.B. | Damodar Valley Corpn. | 0.62 |
| West Bengal S.E.B. | Bihar S.E.B. | 13.47 |
| Damodar Valley Corpn. | Bihar S.E.B. | 1,531.48 |
| Damodar Valley Corpn. | West Bengal S.E.B. | 463.00 |
| Damodar Valley Corpn. | Durgapur Project Ltd. | 92.48 |
| Damodar Valley Corpn. | Dishergarh E.S.Co./Seeb. Co. | 361.62 |
| Damodar Valley Corpn. | Calcutta E.S. Co. | 477.08 |
| Damodar Valley Corpn. | Orissa S.E.B. | 6.29 |
| Durgapur Project Ltd., | Damodar Valley Corpn. | 64.06 |
| Sikkim | West Bengal S.E.B. | 2.22 |
| SOUTHERN REGION | | |
| Andhra Pradesh S.E.B. | Pondicherry | 1.80 |
| Andhra Pradesh S.E.B. | Karnataka S.E.B. | 210.47 |
| Andhra Pradesh S.E.B. | Tamil Nadu S.E.B. | 31.30 |
| Karnataka S.E.B. | Andhra Pradesh S.E.B. | 1.24 |
| Karnataka S.E.B. | Kerala S.E.B. | 122.98 |
| Karnataka S.E.B. | Tamil Nadu S.E.B. | 0.01 |
| Kerala S.E.B. | Tamil Nadu S.E.B. | 15.30 |

TABLE No. 43—Contd.

| Name of Supplier | Name of Purchaser | Energy transferred (GWH) |
|--|-------------------------------|--------------------------|
| Kerala S.E.B. | Karnataka S.E.B. | 72.18 |
| Kerala S.E.B. | Pondicherry | 7.30 |
| Tamil Nadu S.E.B. | Andhra Pradesh S.E.B. | 0.02 |
| Tamil Nadu S.E.B. | Pondicherry | 157.18 |
| Tamil Nadu S.E.B. | Kerala S.E.B. | 27.49 |
| Tamil Nadu S.E.B. | Karnataka E.B. | 0.27 |
| NORTH EASTERN REGION | | |
| Assam S.E.B. | Mizoram | 11.34 |
| Assam S.E.B. | Nagaland | 99.81 |
| Assam S.E.B. | Arunachal Pradesh | 4.42 |
| Assam S.E.B. | Tripura | 18.30 |
| Tripura | Assam S.E.B. | 2.87 |
| Meghalaya S.E.B. | Assam S.E.B. | 289.20 |
| Nagaland | Manipur | 40.05 |
| Arunachal Pradesh | Assam S.E.B. | 0.67 |
| INTER-REGIONAL TRANSFERS OF POWER | | |
| Northern Region | | |
| Uttar Pradesh S.E.B. | Madhya Pradesh S.E.B. | 62.42 |
| Rajasthan S.E.B. | Madhya Pradesh S.E.B. | 146.42 |
| Eastern Region | | |
| Uttar Pradesh S.E.B. | Bihar S.E.B. | 465.75 |
| Uttar Pradesh S.E.B. | D.V.C. | 17.71 |
| Western Region | | |
| Maharashtra S.E.B. | Karnataka S.E.B. | 563.67 |
| Madhya Pradesh S.E.B. | Andhra Pradesh S.E.B. | 9.56 |
| Northern Region | | |
| Madhya Pradesh S.E.B. | Uttar Pradesh S.E.B. | 116.09 |
| Madhya Pradesh S.E.B. | Rajasthan S.E.B. | 60.63 |
| Eastern Region | | |
| Orissa S.E.B. | Andhra Pradesh S.E.B. | 0.09 |
| Southern Region | | |
| Bihar S.E.B. | Uttar Pradesh S.E.B. | 20.98 |
| D.V.C. | Uttar Pradesh S.E.B. | 7.96 |
| North Eastern Region | | |
| Assam S.E.B. | West Bengal S.E.B. | 45.13 |
| Southern Region | | |
| Andhra Pradesh S.E.B. | Madhya Pradesh E.B. | 74.64 |
| Karnataka S.E.B. | Goa, Daman & Diu | 148.23 |
| Karnataka S.E.B. | Maharashtra S.E.B. | 70.00 |
| Eastern Region | | |
| Andhra Pradesh S.E.B. | Orissa S.E.B. | 43.96 |
| OUTSIDE THE COUNTRY | | |
| Uttar Pradesh S.E.B. | Nepal | 20.36 |
| Bihar S.E.B. | Nepal | 45.46 |
| West Bengal S.E.B. | Bhutan | 22.13 |
| Assam S.E.B. | Bhutan | 1.41 |
| Nepal | Bihar S.E.B. | 4.15 |

Note :—1. D.V.C. is being treated as a separate entity for the purpose of this table.

2. Energy sent out to various States from jointly owned projects have been shown in Table No. 41.

SECTION VI

Operating Data (Utilities)

OPERATING DATA

The coal consumption by various steam station in the country was 58.03 Million Metric Tonnes during the year 1983-84 as compared to 48.62 Million Metric Tonnes during the previous year indicating an increase of 19.35% whereas the consumption of other fuels viz. Lignite, wood and diesel also increased by 2.77%, .79%, and 35.14% respectively. Total fuel consumption for steam power station (i.e., coal equivalent assuming average calorific value as 5000 K. Cal./Kg) improved to 3,198 K. Cal./Kwh in 1983-84 as against 8.37% increase in generation. The average heat rate for all the power stations deteriorated to 3,198. K. cal/Kwh in 1983-4 as compared to 3,297 K. cal/Kwh in previous year.

Out of 98 steam power stations 37 power stations having aggregate installed capacity of 2,192.73 MW presenting 9.27% of total capacity of steam stations reported as overall thermal efficiency below 20%. This group of stations produced 4,885.61 GWH i.e., 5.79% of total steam generation.

15 power stations with an aggregate capacity of 3,671.10 M.W. reported an overall thermal efficiency ranging between 20 to 25% and generated 11,956.36 GWH i.e., 14.16% of total steam generation. 32 power stations with aggregate capacity of 11,675.00 MW had an overall thermal efficiency in the range of 25 to 30% and produced 40,669.93 GWH which represented 48.17% of total steam generation. 14 power stations with aggregate capacity of 6,109.00 MW reported an overall thermal efficiency above 30% and generated 5,923.39 GWH which cover 31.89% of total steam generation during 1983-84.

This section depicts the statewise and Regionwise picture of fuel consumption by various types of plants. Two tables, one showing the manpower engaged in various State Electricity Boards and the other indicating the simultaneous Peak Demand in various regions are also given in this Section.

TABLE NO. 44
Consumption of Fossil Fuels for Electricity Generation from Thermal Stations (By Kind of Fuels)
Regionwise/Statewise During 1983-84

| Region | State/UTS. | Steam Stations | | |
|------------------------------------|-----------------------------|--------------------|------------------|---------------------|
| | | Coal (MT) | Lignite (MT) | Furnace Oil (KL) |
| NORTHERN REGION | Haryana | 8,91,319 | .. | 40,740 |
| | Himachal Pradesh | .. | .. | .. |
| | Jammu & Kashmir | 3,056 | .. | .. |
| | Punjab | 18,21,022 | .. | 21,365 |
| | Rajasthan | 4,64,304 | .. | 12,243 |
| | Uttar Pradesh | 61,53,712 | .. | 70,239 |
| | Chandigarh | .. | .. | .. |
| | Delhi | 8,80,634 | .. | 29,530 |
| WESTERN REGION | Central Sector | 88,56,865 | .. | 60,556 |
| | Sub-Total | 1,90,70,912 | .. | 2,34,673 |
| SOUTHERN REGION | Gujarat | 47,37,835 | .. | 8,60,87 |
| | Madhya Pradesh | 66,44,375 | .. | 1,93,67 |
| | Maharashtra | 77,35,786 | .. | 4,97,67 |
| | D & N Havell | .. | .. | .. |
| | Goa, Daman & Diu | .. | .. | .. |
| | Central Sector | 12,18,915 | .. | 29,688 |
| Sub-Total | 20,336,911 | .. | 15,81,917 | |
| EASTERN REGION | Andhra Pradesh | 43,69,395 | .. | 43,504 |
| | Karnataka | .. | .. | .. |
| | Kerala | .. | .. | .. |
| | Tamil Nadu | 26,85,517 | .. | 1,45,184 |
| | Lakshadweep | .. | .. | .. |
| | Pondicherry | .. | .. | .. |
| | Central Sector | 1,07,146 | 55,17,882 | 43,680 |
| Sub-Total | 71,62, 058 | 55,17,882 | 2,32,368 | |
| NORTH EASTERN REGION | Bihar | 18,28,061 | .. | 32,347 |
| | Orissa | 10,36,427 | .. | 11,103 |
| | West Bengal | 40,88,263 | .. | 14,220 |
| | D.V.C. | 43,74,758 | .. | 53,441 |
| | A & N Islands | .. | 7,791(\$) | .. |
| | Sikkim | .. | .. | .. |
| Sub-Total | 11,32,7,509 | 77.91(\$) | 1,11,111 | |
| | Assam | 1,31,430 | .. | 18,759 |
| | Manipur | .. | .. | .. |
| | Meghalaya | .. | .. | .. |
| | Nagaland | .. | .. | .. |
| | Tripura | .. | .. | .. |
| | Arunachal Pradesh | .. | .. | .. |
| | Mizoram | .. | .. | .. |
| Sub-Total | 1,31,430 | .. | 18,759 | |
| Total (All India) | | 5,80,28,820 | 55,17,882 | 21,78,828 |
| | | | + 7,791(\$) | |

MT = Metric Tonne

KL = Kilo Litre

(S) = Wood fuel

TABLE NO. 44—(Contd.)

| State/U.Ts. | Steam Stations | | | |
|-------------------|--------------------------|--|--------------------------------------|--------|
| | Light Diesel Oil (KL) | LSHS/HHS* (KL) | Natural Gas (Million Cu. Mts.) | |
| Haryana | 15,768 | .. | .. | |
| Himachal Pradesh | .. | .. | .. | |
| Jammu & Kashmir | 526 | .. | .. | |
| Punjab | 4,989 | .. | .. | |
| Rajasthan | 23,654 | .. | .. | |
| Uttar Pradesh | 54605 | .. | .. | |
| Chandigarh | .. | .. | .. | |
| Delhi | 1,829 | .. | .. | |
| Central Sector | 18,717 | .. | .. | |
| | Sub-Total | 1,20,088 | .. | .. |
| Gujarat | 10,224 | 21,834 (MT) | 107.15 + 21,831 (MT) | |
| Madhya Pradesh | 15,635 | .. | .. | |
| Maharashtra | 34,429 | 41,903 | 2,19,717(MT) | |
| D & N Haveli | .. | .. | .. | |
| Goa, Daman & Diu | .. | .. | .. | |
| Central Sector | 3,796 | .. | .. | |
| | Sub-Total | 64,084 | 21,831MT + 41,903 24,15,48MT | 107.15 |
| Andhra Pradesh | 6,391 | .. | .. | |
| Karnataka | .. | .. | .. | |
| Kerala | .. | .. | .. | |
| Tamil Nadu | 7,425 | 45,506 | .. | |
| Lakshadweep | .. | .. | .. | |
| Pondicherry | .. | .. | .. | |
| Central Sector | .. | .. | .. | |
| | Sub-Total | 13,816 | 45,506 | .. |
| Bihar | 28,996 | 28,358 | .. | |
| Orissa | 2,216 | .. | .. | |
| West Bengal | 81,373 | .. | .. | |
| D.V.C. | 58,709 | .. | .. | |
| A & N Islands | 608 | .. | .. | |
| Sikkim | .. | .. | .. | |
| | Sub-Total | 1,71,902 | 28,358 | .. |
| Assam | 2,146 | 35,190 | 40.75 | |
| Manipur | .. | .. | .. | |
| Meghalaya | .. | .. | .. | |
| Nagaland | .. | .. | .. | |
| Tripura | .. | .. | .. | |
| Arunachal Pradesh | .. | .. | .. | |
| Mizoram | .. | .. | .. | |
| | Sub-Total | 2,146 | 35,190 | 40.75 |
| Total (All India) | 3,72,036 | 1,50,957 (KL) + 21,831 (MT) 2,41,548(MT)(B) | 147.90 | |

*LSHS = Low Sulphur Heavy Stock

HHS = Hot Heavy Stock

B = Refinery gas

TABLE NO. 44—(Contd.)

| State/UTS. | Steam Station | | |
|-------------------|----------------------------|------------------------------|---------------------------------------|
| | Heat Input K. cal. x109 | Gross Generation (GWH) | Average heat-input (k. cal/KHW) |
| Haryana | 46,18·67 | 1,135·58 | 406 |
| Himachal Pradesh | .. | .. | .. |
| Jammu & Kashmir | 21·58 | 3·05 | 7,075 |
| Punjab | 7,287·22 | 2,203·98 | 3,306 |
| Rajasthan | 2,245·93 | 695·07 | 2,891 |
| Uttar Pradesh | 29,258·42 | 7,663·13 | 3,818 |
| Chandigarh | .. | .. | .. |
| Delhi | 4,235·00 | 1,302·99 | 3,250 |
| Central Sector | 18,208·44 | 6,274·94 | 2,902 |
| Sub-Total | 65,875·26 | 19,278·74 | 3,405 |
| Gujarat | 33,397·92 | 10,907·65 | 3,062 |
| Madhya Pradesh | 25,404·73 | 8,435·65 | 3,012 |
| Maharashtra | 39,730·98 | 14,139·60 | 2,810 |
| D & N Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | 5,015·48 | 1,485·15 | 3,377 |
| Sub-Total | 1,03,549·11 | 34,968·05 | 2,961 |
| Andhra Pradesh | 16,823·98 | 5,909·30 | 2,847 |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | 12,792·56 | 3,980·87 | 3,214 |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | .. | .. |
| Central Sector | 14,062·55 | 4,108·56 | 3,423 |
| Sub-Total | 43,679·09 | 13,998·73 | 3,120 |
| Bihar | 8,456·47 | 2,271·42 | 3,723 |
| Orissa | 4,131·52 | 1,268·62 | 3,257 |
| West Bengal | 21,896·05 | 6,110·48 | 3,583 |
| D.V.C. | 20,970·74 | 6,104·06 | 3,436 |
| A & N Islands | 30·96 | 0·52 | 59,538 |
| Sikkim | .. | .. | .. |
| Sub-Total | 55,485·74 | 15,755·10 | 3,522 |
| Assam | 1,697·73 | 434·67 | 3,906 |
| Manipur | .. | .. | .. |
| Meghalaya | .. | .. | .. |
| Nagaland | .. | .. | .. |
| Tripura | .. | .. | .. |
| Arunachal Pradesh | .. | .. | .. |
| Mizoram | .. | .. | .. |
| Sub-Total | 1,697·73 | 434·67 | 3,906 |
| Total (All India) | 2,70,286·93 | 84,435·29 | 3,198 |

TABLE NO. 44—(Contd.)

Oil — Oil in kilo litres.

MT — Metric Tonne

TABLE NO. 44—(Contd.)

| State/UTs. | Diesel Station | | |
|-----------------------------|-------------------------|---------------------|-------------------------------------|
| | Diesel Oil (K. Lits) | Generation (GWH) | Average Oil Consumed Lts./Kwh |
| Haryana | .. | .. | .. |
| Himachal Pradesh | 27 | 0.04 | 0.68 |
| Jammu & Kashmir | .. | .. | .. |
| Punjab | .. | .. | .. |
| Rajasthan | 28 | 0.06 | 0.47 |
| Uttar Pradesh | .. | .. | .. |
| Chandigarh | 35(E) | 0.09 | 0.39 |
| Delhi | 35 | 0.09 | 0.39 |
| Central Sector | .. | .. | .. |
| Sub-Total | 125 | 0.28 | 0.45 |
| Gujarat | 42 | 0.09 | 0.47 |
| Madhya Pradesh | .. | .. | .. |
| Maharashtra | .. | .. | .. |
| D & N Haveli | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 42 | 0.09 | 0.47 |
| Andhra Pradesh | .. | .. | .. |
| Karnataka | .. | .. | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | .. | .. | .. |
| Lakshadweep | 1,353 | 3.04 | 0.45 |
| Pondicherry | .. | .. | .. |
| Central Sector | .. | .. | .. |
| Sub-Total | 1,353 | 3.04 | 0.45 |
| Bihar | 289 | 0.75 | 0.38 |
| Orissa | .. | .. | .. |
| West Bengal | 1,313 | 4.01 | 0.33 |
| D.V.C. | .. | .. | .. |
| A & N Islands | 4,745 | 13.83 | 0.34 |
| Sikkim | 39(E) | 0.11 | 0.35 |
| Central Sector | .. | .. | .. |
| Sub-Total | 6,386 | 18.70 | 0.34 |
| Assam | .. | .. | .. |
| Manipur | 3,086 | 8.82 | 0.35 |
| Meghalaya | .. | .. | .. |
| Nagaland | 85 | 0.17 | 0.50 |
| Tripura | 455 | 1.30 | 0.35 |
| Arunachal Pradesh | 868 (E) | 3.10 | 0.28 |
| Mizoram | 2,643(E) | 7.55 | 0.35 |
| Central Sector | .. | .. | .. |
| Sub-Total | 7,137 | 20.94 | 0.34 |
| Total (All India) | 15,043 | 43.05 | 0.35 |

(E) — Estimated

TABLE NO. 45
Classification of Steam Stations Efficiencywise During 1983-84

| Overall Thermal Efficiency | No. of generating stations | Aggregate installed capacity (MW) | Energy generated by the group (GWH) | % to total generation |
|----------------------------|----------------------------|-----------------------------------|-------------------------------------|-----------------------|
| Under 10% | 14* | 443.85 | 81.63 | 0.09 |
| Above 10% & upto 15% | 9 | 372.88 | 580.23 | 0.69 |
| Above 15% & upto 20% | 14 | 1,376.00 | 4,223.75 | 5.00 |
| Above 20% & upto 25% | 15 | 3,671.10 | 11,956.36 | 14.16 |
| Above 25 % & upto 30% | 32 | 11,675.00 | 40,669.93 | 48.17 |
| Above 30% | 14 | 6,109.00 | 26,923.39 | 31.89 |
| Total | 98 | 23,647.83 | 84,435.29 | 100.00 |

*Includes 5 power stations having total aggregate capacity of 347.20 MW and nil generation.

TABLE NO. 46
Salient Operation Data for Steam Power Station
(Utilities only)
During 1983-84

| Items | 1983-84 | 1982-83 | % increase |
|--|-------------|-------------|------------|
| (i) No. of stations | 98 | 102 | (—) 3.92 |
| (ii) Aggregate installed capacity (MW) | 23,647.83 | 20,712.18 | 14.17 |
| (iii) Total energy generated (Gross) (GWH) | 84,435.29 | 77,913.81 | 8.37 |
| (iv) Installed capacity of plants (above 50 MW) | 23,190.00 | 20,170.00 | 14.97 |
| (v) Energy generated from plants (Above 50 MW) | 83,332.00 | 76,762.45 | 8.56 |
| (vi) KWH/KW installed from plants (above 50MW) | 3,593 | 3,806 | .. |
| (vii) Fuel used (All stations) | | | |
| (a) (i) Coal (Tonnes) | 5,80,288.20 | 4,86,23,693 | 19.34 |
| (ii) Average calorific value K. cal/Kg. | 3,866 | 4,394 | .. |
| (b) (i) Lignite (Tonnes) | 55,17,882 | 53,69,241 | 2.77 |
| (ii) Average calorific value K. cal/Kg. | 2,382 | 2,369 | .. |
| (c) (i) Wood (Tonnes) | 7,791 | 7,730 | 0.79 |
| (ii) Average calorific value K. cal/Kg. | 3,174 | 2,980 | .. |
| (d) (i) Furnace oil (K.litrs.) | 21,78,828 | 22,75,652 | (—) 4.26 |
| (ii) Average calorific value K. cal/Litrs. | 10,387 | 10,291 | .. |
| (e) (i) Diesel oil and kerosene oil (K. Litrs) | 3,72,036 | 2,75,300 | 35.14 |
| (ii) Average calorific value (k. cal/Litrs.) | 9,967 | 8,761 | .. |
| (f) (i) LSHS & HHS (K.L.) | 1,76,281 | 4,22,338 | (M.T.) .. |
| (ii) Average calorific value (K. cal/litrs) | 10,190 | 11,044 | .. |
| (g) Overall thermal efficiency for plants above 50 MW (Average) | 27.15 | 26.27 | .. |
| (h) Total fuel consumption (coal equivalent assuming calorific value as 5000 K. cal/Kg. in Tonnes (All Stations) | 5,40,57,386 | 5,13,78,680 | 5.21 |

TABLE NO. 47
Actual Simultaneous Peak Demand @ Regionwise During 1983-84

| Region | North in which demand was maximum | Actual Peak Demand (MW) |
|-------------------------------|--------------------------------------|-------------------------|
| Northern | March, 1984 | 5,974 |
| Western | December, 1983 | 6,977 |
| Eastern | March, 1984 | 2,831 |
| Southern | N.A. | 5,872 |
| North Eastern | December, 1983 | 318 |
| Aggregate | All India Average Peak Demand | 21,972 |

NOTE.—

*— This is non-coincident aggregate of simultaneous Peak Demand of various regions in the country.

@—Figures of Peak Demand are of actual simultaneous Peak Demand on the system irrespective of Power restrictions.

Sources—Annual Reports of Regional Electricity Boards.

TABLE NO. 48

Manpower Engaged in State Electricity Boards, DVC & Desu As on 31-3-84 As Reported by State Electricity Boards

| Name of Electricity Board/ Undertaking | REGULAR | | | |
|---|---------------------------------------|--------------------------------------|--------------------------------|-------------------------------------|
| | Managerial and higher executive | Technical and scientific officers | Technical supervisory staff | Technicians and operation staff. |
| 1 | 2 | 3 | 4 | 5 |
| NORTHERN REGION | | | | |
| Punjab | 13 | 1,800 | 4,122 | 28,798 |
| Rajasthan | — | .. | .. | 36,575@ |
| D.E.S.U. | 5 | 549 | 1,388 | 17,838 |
| WESTERN REGION | | | | |
| Gujarat | 8 | 10,125 | 1,272 | 20,670 |
| Madhya Pradesh | 30 | 2,794 | 4,125 | 36,307 |
| Maharashtra | 36 | 5,210 | 10,125 | 58,014 |
| SOUTHERN REGION | | | | |
| Karnataka | 5 | 2,049 | 1,506 | 11,514 |
| Kerala | 12 | 853 | 1,427 | 22,226 |
| Tamil Nadu | 22 | 2,041 | 4,154 | 58,969 |
| EASTERN REGION | | | | |
| D.V.C. | 17 | 1,111 | 674 | 4,501 |
| Orissa | 8 | 1,483 | .. | 26,263* |
| West Bengal | 11 | 1,510 | .. | 22,283\$ |

Note.— Data in respect of State Electricity Boards of Haryana, H.P. , J & K, Uttar Pradesh, Andhra Pradesh, Bihar, Assam and Meghalaya are not available.

@—Break up not available (includes Co. 2, 3 & 4)

*—Includes Technical Supervisory staff & non-Technical.

\$—Includes Technical Supervisory staff only.

TABLE NO. 48—(Contd.)

| Name of Electricity Board/Undertaking | REGULAR | | NON-REGULAR | |
|---------------------------------------|---------------|---------------------|------------------------------------|--------------------|
| | Non-Technical | Total regular (1+5) | Technical Trainees and Apprentices | Work charged staff |
| 1 | 2 | 3 | 4 | 5 |
| NORTHERN REGION | | | | |
| Punjab | 11,629 | 59,301 | .. | 20,000 |
| Rajasthan | 13,584 | 50,159 | .. | 9,004 |
| D.E.S.U. | 6,849 | 26,629 | .. | .. |
| WESTERN REGION | | | | |
| Gujarat | 2,975 | 35,050 | .. | .. |
| Madhya Pradesh | 22,778 | 66,034 | 340 | N.A. |
| Maharashtra | 18,394 | 91,779 | .. | .. |
| SOUTHERN REGION | | | | |
| Karnataka | 20,697 | 35,771 | 528 | 8,923 |
| Kerala | 1,1022 | 35,540 | .. | .. |
| Tamil Nadu | 23,513 | 88,699 | .. | .. |
| EASTERN REGION | | | | |
| D.V.C. | 10,423 | 16,726 | 17 | .. |
| Orissa | .. | 27,754 | 720 | 4,500 |
| West Bengal | 352 | 40,396 | Data non available | |

140

TABLE NO. 48—(Contd.)

| Name of Electricity Board/ Undertaking | Casual | Total Non-regular —(8+91+0) | Total Regular & Non-regular (7+11) |
|---|--------------------|--------------------------------|---------------------------------------|
| 1 | 10 | 11 | 12 |
| NORTHERN REGION | | | |
| Punjab | .. | 20,000 | 79,301 |
| Rajasthan | @@ | 9,004 | 59,163 |
| D.E.S.U. | -- | .. | 26,629* |
| WESTERN REGION | | | |
| Gujarat | .. | .. | 35,050* |
| Madhya Pradesh | N.A. | 340 | 66,374** |
| Maharashtra | 24,170 | 24,170 | 1,15,949 |
| SOUTHERN REGION | | | |
| Karnataka | .. | 9,451 | 45,222 |
| Kerala | .. | .. | 35,540* |
| Tamil Nadu | Data not available | .. | 88,699* |
| EASTERN REGION | | | |
| D.V.C. | 1,355 | 1,372 | 18,098 |
| Orissa | 6,000 | 11,220 | 38,974 |
| West Bengal | Data not available | .. | 40,396* |

*—Figures pertain to regular employees only.

@a—Included in col. 9

**—Does not include non-regular work charged and casual labourers.

SECTION VII

Transmission & Distribution

TRANSMISSION AND DISTRIBUTION

I. Transmission and Distribution Line

An extensive network of Transmission and Distribution lines has been developed over the years for evacuating power produced in the various generating stations and distributing the same to the consumers. Depending upon the quantum of power and the distance involved, lines of appropriate voltages are laid. The nominal Extra High Voltage lines in vogue are 400KV, 230/220KV, 110 KV and 66 KV, 400KV, E. H. V. lines have been introduced so far by the SEB's of U. P., M. P., Maharashtra, B. B. M. B. (punjab) and Central Sector only.

The standard voltages of operation on the distribution side are 33 KV, 22KV, 400/230 Volts besides 6. 6KV, 3.3 KV and 2.2 KV. The low voltage system has 3 phase 4 Wires giving 400/420 Volts between 2 phases and 230/240 volts between phase and Neutral. This has been universally adopted in the country.

The table below depicts the length of lines operating at various voltages as on 31-3-1984 with comparative increase over previous year:—

| Voltages | Length of Lines, Ckt. Kms) | | %Increase |
|---|----------------------------|------------------|-------------|
| | 31-3-1984 | 31-3-1983 | |
| 400 KV | 4,405 | 3,265 | 24.92 |
| 230/220 KV | 41,163 | 38,033 | 8.23 |
| 132/110/93 KV | 68,678 | 65,435 | 4.96 |
| 78/66 KV | 29,000 | 28,279 | 2.55 |
| 33/22 KV | 1,79,717 | 1,76,035 | 2.09 |
| 15/11 KV | 9,25,702 | 8,85,196 | 4.58 |
| 6.6/3.3/2.2 KV | 4,642 | 6,705 | (—) 30.77 |
| Distribution lines upto 500 volts | 17,48,788 | 16,63,364 | 5.20 |
| Total | 30,02,095 | 28,65,312 | 4.77 |

The state of Tamil Nadu has the largest T&D Network of 366693 Ckt. Kms. Apart from Tamil Nadu State of Punjab, Haryana, Rajasthan, Uttar Pradesh, Gujarat, Madhya Pradesh, Maharashtra, Bihar, Andhra Pradesh and Karnataka have more than 1 lakh Ckt Kms. of T&D lines.

II. Transformers

The total number of step up transformers installed at various Generating Stations and Sub-stations in the country as on 31st March, 1984 were 1258 having aggregate capacity of 48296.85 MVA. The number and capacity of step down and distribution Transformers as on same date were 12985 and 696340 numbers with aggregate capacity of 131160.77 MVA and 53793.15 MVA respectively.

TABLE NO. 49

Length of Transmission and Distribution Lines Regionwise/Statewise as on 31st March, 1984

(Ckt. Kms.)

| Region | State/UTs. | Total | 400KV | 230KV | 220KV |
|--------------------------------|----------------------------|------------------|--------------|--------------|---------------|
| | | | (O.H.) | (O.H.) | (O. H.) |
| NORTHERN REGION | Haryana | 1,22,245 | | .. | 90 |
| | Himachal Pradesh | 37,635 | .. | .. | 194 |
| | Jammu & Kashmir | 36,713 | .. | .. | 124 |
| | Punjab | 1,50,993 | 270 | .. | 3,928 |
| | Rajasthan | 1,86,966 | .. | .. | 2,447 |
| | Uttar Pradesh | 3,19,918 | 1,820 | .. | 4,378 |
| | Chandigarh | 1,106 | .. | .. | .. |
| | Delhi | 21,362 | .. | .. | 280 |
| Sub-Total | | 8,77,238 | 2,090 | .. | 11,441 |
| WESTERN REGION | Gujarat | 1,74,005 | .. | .. | 4,091 |
| | Madhya Pradesh | 3,00,680 | 647 | .. | 5,047 |
| | Maharashtra | 3,28,583 | 1,475 | 2 | 4,490 |
| | D. & N. Haveli | 667 | .. | .. | .. |
| | Goa, Daman & Diu | 5,767 | .. | .. | 24 |
| Sub-Total | | 8,09,702 | 2,122 | 2 | 13,652 |
| SOUTHERN REGION | Andhra Pradesh | 2,57,512 | 193 | .. | 3,282 |
| | Karnataka | 2,60,412 | .. | .. | 4,153 |
| | Kerala | 89,498 | .. | .. | 887 |
| | Tamil Nadu | 3,66,693 | .. | 2,812 | .. |
| | Lakshadweep | 138 | .. | .. | .. |
| | Pondicherry | 3,271 | .. | .. | .. |
| Sub-Total | | 9,77,524 | 193 | 2,812 | 8,322 |
| EASTERN REGION | Bihar | 1,16,913 | .. | .. | 994 |
| | Orissa | 80,719 | .. | .. | 1,992 |
| | West Bengal | 82,043 | .. | .. | 1,326 |
| | D.V.C. | 3,983 | .. | .. | 259 |
| | A & N Haveli | 1,072 | .. | .. | .. |
| | Sikkim (R) | 631 | .. | .. | .. |
| Sub-Total | | 2,85,361 | .. | .. | 4,571 |
| NORTH EASTERN REGION | Assam | 29,098 | .. | .. | 257 |
| | Manipur | 3,019 | .. | .. | .. |
| | Meghalaya | 6,452 | .. | .. | 106 |
| | Nagaland | 5,618 | .. | .. | .. |
| | Tripura | 4,558 | .. | .. | .. |
| | Andhra Pradesh | 3,090 | .. | .. | .. |
| | Mizoram | 435 | .. | .. | .. |
| Sub-Total | | 2,270 | .. | .. | 363 |
| TOTAL (ALL INDIA) | | 30,02,095 | 4,405 | 2,814 | 38,349 |

TABLE NO. 49—(Contd.)

(Ckt. Kms)

| State/UTs. | 132 KV | 110/90KV | 78/66 KV | 33 KV | |
|-------------------------------|------------------|---------------|---------------|-----------------|---------------|
| | (O.H) | (O.H.) | (O.H.) | (O.H.) | (U.G.) |
| Haryana | 1,480 | .. | 1,126 | 3,496 | .. |
| Himachal Pradesh | 192 | .. | 197 | 1,229 | .. |
| Jammu & Kashmir (R) | 420 | .. | 191 | 1,176 | .. |
| Punjab | 2,410 | .. | 2,301 | 3,382 | .. |
| Rajasthan | 5,705 | .. | 386(A) | 15,611 | .. |
| Uttar Pradesh | 8,952 | .. | 1,973 | 20,792 | 185 |
| Chandigarh | .. | .. | .. | 33 | .. |
| Delhi | .. | .. | 173 | 351 | 380 |
| | Sub-Total | 19,159 | .. | 6,347 | 46,070 |
| | | | | | 565 |
| Gujarat | 3,556 | .. | 6,784 | 2,781 | .. |
| Madhya Pradesh | 8,002 | .. | 362 | 23,438 | .. |
| Maharashtra | 4,787 | 2,456(A) | 3,071 | 11,748 | 179 |
| D & N Haveli | .. | .. | 16 | .. | .. |
| Goa, Daman & Diu | .. | 77 | 7 | 618 | .. |
| | Sub-Total | 16,345 | 2,533 | 10,240 | 38,585 |
| | | | | | 179 |
| Andhra Pradesh | 4,243 | .. | 1,924(A) | 12,623 | .. |
| Karnataka | .. | 4,415 | 3,453 | 3,539 | .. |
| Kerala | .. | 1,688 | 2,287 | .. | .. |
| Tamil Nadu | .. | 5,419 | 2,982 | 3,801 | 147 |
| Lakshadweep | .. | .. | .. | .. | .. |
| Pondicherry | .. | 30 | 6 | .. | .. |
| | Sub-Total | 4,243 | 11,552 | 10,652 | 19,963 |
| | | | | | 147 |
| Bihar | 4,091 | .. | .. | 9,184 | .. |
| Orissa | 3,119 | .. | 136(A) | 8,095 | 10 |
| West Bengal | 2,389 | .. | 758 | 3,767 | 571 |
| D.V.C. (R) | 2,970 | .. | .. | 739 | .. |
| A & N Islands | .. | .. | .. | 100 | .. |
| Sikkim | .. | .. | 40 | .. | .. |
| | Sub-Total | 12,569 | .. | 934 | 21,885 |
| | | | | | 581 |
| Assam | 1,444 | .. | 592 | 4,255 | .. |
| Manipur | 127 | .. | .. | 243 | .. |
| Meghalaya | 486 | .. | .. | 964 | .. |
| Nagaland | 72 | .. | .. | 912 | .. |
| Tri.pura | 148 | .. | 133 | 324 | .. |
| Andhra Pradesh | .. | .. | .. | 549 | .. |
| Mizoram | .. | .. | 102 | 61 | .. |
| | Sub-Total | 2,277 | .. | 827 | 7,308 |
| | | | | | .. |
| TOTAL (ALL INDIA). | 54,593 | 14,085 | 29,000 | 1,33,811 | 1,472 |

(A) In certain class of voltage figures have gone down as compared to previous year due to revision/deletion or wrongly reported data by State Electricity Board.

(B) Due to non-receipt of information from some of the State Electricity Boards, addition 60 KV & above voltage lines have been estimated.

TABLE NO. 49—(Contd)

(Ckt. Kms)

| State/UTs. | 22/20 KV | | 15/11 KV | | 6·6 KV | |
|-----------------------------|---------------|------------|-----------------|--------------|------------|--------------|
| | (O.H.) | (U.G.) | (O.H.) | (U.G.) | (O.H.) | (U.G.) |
| Haryana | | .. | 39,664 | .. | .. | .. |
| Himachal Pradesh | 2,556 | .. | 8,079 | .. | .. | .. |
| Jammu & Kashmir | .. | .. | 10,208 | .. | .. | .. |
| Punjab | .. | .. | 45,334 | .. | 70 | 52 |
| Rajasthan | .. | .. | 67,384 | .. | 61 | .. |
| Uttar Pradesh | .. | .. | 1,35,450 | 1,110 | 302 | 576 |
| Chandigarh | | .. | 404 | @ | .. | .. |
| Delhi | .. | .. | 2,036 | 3,138(A) | .. | .. |
| Sub-Total | 2,556 | .. | 3,08,559 | 4,248 | 433 | 628 |
| Gujarat | 9,525 | .. | 60,500 | 1,212 | .. | .. |
| Madhya Pradesh | .. | .. | 98,518 | .. | .. | .. |
| Maharashtra | 10,523 | 289(A) | 86,878 | 2,144 | 59 | .. |
| D & N Haveli | .. | .. | 222 | .. | .. | .. |
| Goa, Daman & Diu | .. | .. | 1,641 | .. | .. | .. |
| Sub-Total | 20,048 | 289 | 2,47,759 | 3,356 | 59 | .. |
| Andhra Pradesh | .. | .. | 81,826 | 35 | .. | .. |
| Karnataka | .. | .. | 72,504(A) | .. | .. | .. |
| Kerala | .. | .. | 16,009 | .. | 3 | .. |
| Tamil Nadu | 21,017 | 1 | 50,146 | 1,256 | .. | .. |
| Lakshadweep | .. | .. | .. | .. | .. | .. |
| Pondicherry | 463 | .. | 146 | .. | .. | .. |
| Sub-Total | 21,480 | 1 | 2,20,631 | 1,291 | 3 | .. |
| Bihar | .. | .. | 44,214 | .. | .. | .. |
| Orissa | .. | .. | 34,352 | 189 | .. | .. |
| West Bengal | 60 | .. | 38,702 | 364(A) | 415 | 2,258 |
| D.V.C. (R) | .. | .. | 15 | .. | .. | .. |
| A & N Islands | .. | .. | 365 | .. | .. | .. |
| Sikkim (R) | .. | .. | 266 | 25 | .. | .. |
| Sub-Total | 60 | .. | 1,17,914 | 578 | 415 | 2,258 |
| Assam | .. | .. | 11,972 | .. | .. | .. |
| Manipur | .. | .. | 1,176 | .. | .. | .. |
| Meghalaya | .. | .. | 3,243 | .. | .. | .. |
| Nagaland | .. | .. | 2,314 | .. | .. | .. |
| Tripura | .. | .. | 1,939 | .. | .. | .. |
| Arunachal Pradesh | .. | .. | 576 | .. | .. | .. |
| Mizoram | .. | .. | 146 | .. | .. | .. |
| Sub-Total | .. | .. | 21,366 | .. | .. | .. |
| TOTAL (ALL INDIA) | 44,144 | 290 | 9,16,229 | 9,473 | 910 | 2,886 |

@ Included in O.H.

(A) Includes length of lines of 6·6 & 3·3 KV

TABLE NO. 49—(Contd.).

(Ckt. Kms)

| State/UTs. | 3·3/2·2 KV | | Distribution lines upto 500 Volts |
|-----------------------------|------------|------------|--------------------------------------|
| | (O.H.) | (U.G.) | |
| Haryana | .. | .. | 76,689 |
| Himachal Pradesh | 3 | 41 | 25,144 |
| Jammu & Kashmir | .. | .. | 24,594 |
| Punjab | .. | .. | 93,246 |
| Rajasthan | 34 | .. | 95,338 |
| Uttar Pradesh | 137 | 294 | 1,43,949 |
| Chandigarh | .. | .. | 669 |
| Delhi | .. | .. | 15,004 |
| Sub-Total | 174 | 335 | 4,74,633 |
| Gujarat | 12 | 117 | 85,427 |
| Madhya Pradesh | 24 | .. | 1,64,642 |
| Maharashtra | 14 | 2 | 2,00,466 |
| D & N Haveli | .. | .. | 429 |
| Goa, Daman & Diu | .. | .. | 3,400 |
| Sub-Total | 50 | 119 | 4,54,364 |
| Andhra Pradesh | .. | .. | 1,53,386 |
| Karnataka | .. | .. | 1,72,348 |
| Kerala | 35 | .. | 68,589 |
| Tamil Nadu | .. | .. | 2,79,112 |
| Lakshadweep | 9 | .. | 2,619 |
| Pondicherry | 7 | .. | 129 |
| Sub-Total | 51 | .. | 6,76,183 |
| Bihar | .. | .. | 58,430 |
| Orissa | .. | .. | 32,826 |
| West Bengal | 39 | 60 | 31,334 |
| D.V.C. (R) | .. | .. | .. |
| A & N Islands | .. | .. | 607 |
| Sikkim | 18 | .. | 282 |
| Sub-Total | 57 | 60 | 1,23,479 |
| Assam | .. | .. | 10,578 |
| Manipur | .. | .. | 1,473 |
| Meghalaya | .. | .. | 1,653 |
| Nagaland | .. | .. | 2,320 |
| Tripura | .. | .. | 2,014 |
| Arunachal Pradesh | .. | .. | 1,965 |
| Mizoram | .. | .. | 126 |
| Sub-Total | .. | .. | 20,129 |
| TOTAL (ALL INDIA) | 332 | 514 | 17,48,788 |

TABLE NO. 50

Length of transmission and distribution lines in State Electricity Boards as on 31st March, 1984

(Circuit Kilometres)

| Region | State/UTs. | Total | 400 KV | 230 KV | 220 KV |
|----------------------|------------------------------------|----------|--------------|--------------|---------------|
| | | | (O.H.) | (O.H.) | (O.H.) |
| NORTHERN REGION | Haryana . . . | 1,22,545 | .. | .. | 90 |
| | Himachal Pradesh . . . | 37,331 | .. | .. | .. |
| | Jammu & Kashmir . . . | 36,713 | .. | .. | 124 |
| | Punjab . . . | 1,47,126 | .. | .. | 1,038 |
| | Rajasthan . . . | 1,86,248 | .. | .. | 2,447 |
| | Uttar Pradesh . . . | 3,16,991 | 1,340 | .. | 4,378 |
| | Sub-Total . . . | 8,46,954 | 1,340 | .. | 8,077 |
| WESTERN REGION | Gujarat . . . | 1,67,382 | .. | .. | 4,091 |
| | Madhya Pradesh . . . | 2,94,838 | 260 | .. | 5,047 |
| | Maharashtra . . . | 3,13,156 | 1,475 | .. | 4,490 |
| | Sub-Total . . . | 7,75,376 | 1,735 | .. | 13,628 |
| SOUTHERN REGION | Andhra Pradesh . . . | 2,47,821 | .. | .. | 3,282 |
| | Karnataka . . . | 2,58,148 | .. | .. | 4,153 |
| | Kerala . . . | 89,011 | .. | .. | 887 |
| | Tamil Nadu . . . | 3,63,873 | .. | 2,812 | .. |
| | Sub-Total . . . | 9,58,853 | .. | 2,812 | 8,322 |
| EASTERN REGION | Bihar . . . | 1,15,626 | .. | .. | 994 |
| | Orissa . . . | 80,026 | .. | .. | 1,992 |
| | West Bengal . . . | 72,488 | .. | .. | 1,326 |
| | Sub-Total . . . | 2,68,140 | .. | .. | 4,312 |
| NORTH EASTERN REGION | Assam . . . | 29,098 | .. | .. | 257 |
| | Meghalaya . . . | 6,295 | .. | .. | .. |
| | Sub-Total . . . | 35,393 | .. | .. | 257 |
| | TOTAL (ALL INDIA) 28,84,716 | | 3,075 | 2,812 | 34,596 |

TABLE NO. 50—(Contd.)

(Circuit Kilometres)

| State/UTs. | 132 KV | 110/90 KV | 78/66 KV | 33 KV | |
|------------------------------------|---------------|---------------|---------------|-----------------|------------|
| | (H.O.) | (H.O.) | (O.H.) | (O.H.) | (U.G.) |
| Haryana | 1,480 | .. | 1,126 | 3,496 | — |
| Himachal Pradesh | 192 | .. | 87 | 1,229 | |
| Jammu & Kashmir | 420 | .. | 191 | 1,176 | .. |
| Punjab | 2,392 | .. | 2,156 | 3,382 | .. |
| Rajasthan | 5,705 | .. | 386 | 15,611 | .. |
| Uttar Pradesh | 8,952 | .. | 1,973 | 20,792 | 185 |
| Sub-Total | 19,141 | .. | 5,919 | 45,686 | 185 |
| Gujarat | 3,491(E) | .. | 6,661(E) | 2,781(R) | .. |
| Madhya Pradesh | 8,002 | .. | 362 | 23,438 | .. |
| Maharashtra | 4,787 | 1,533 | 3,071 | 11,748 | .. |
| Sub-Total | 16,280 | 1,533 | 10,094 | 37,967 | .. |
| Andhra Pradesh | 4,243 | .. | 1,711 | 12,623 | .. |
| Karnataka | .. | 4,415 | 3,453 | 3,539 | .. |
| Kerala | .. | 1,688 | 2,287 | .. | .. |
| Tamil Nadu | .. | 5,419 | 2,982 | 3,801 | 147 |
| Sub-Total | 4,243 | 11,522 | 10,433 | 19,963 | 147 |
| Bihar | 4,091 | .. | .. | 9,184 | .. |
| Orissa | 3,119 | .. | 136 | 8,093 | 10 |
| West Bengal | 2,332 | .. | 758 | 3,717 | 29 |
| Sub-Total | 9,542 | .. | 894 | 20,994 | 39 |
| Assam | 1,444 | .. | 592 | 4,255 | .. |
| Meghalaya | 435 | .. | .. | 964 | .. |
| Sub-Total | 1,879 | .. | 592 | 5,219 | .. |
| TOTAL (ALL INDIA) | 51,085 | 13,055 | 27,932 | 1,29,829 | 371 |

(A) In certain class of voltage, figures have gone down as compared to previous year due to revision, deletion or wrongly reported data by State Electricity Boards.

(B) Due to non-receipt of information from some of the State Electricity Boards addition of 66 KV and above voltage lines have been estimated.

TABLE NO. 50—(Contd.)

(Circuit Kilometres)

| State/UTs. | 22 KV | | 15/11 KV | | 6·6 KV | |
|--------------------------|---------------|------------|-----------------|--------------|------------|------------|
| | (O.H.) | (U.G.) | (O.H.) | (U.G.) | (O.H.) | (U.G.) |
| Haryana | .. | .. | 39,664 | .. | .. | .. |
| Himachal Pradesh | 2,556 | .. | 8,079(E) | .. | .. | .. |
| Jammu & Kashmir | .. | .. | 10,208 | .. | .. | .. |
| Punjab | .. | .. | 45,212 | .. | .. | .. |
| Rajasthan | .. | .. | 67,205 | .. | 61 | .. |
| Uttar Pradesh | .. | .. | 1,34,125 | 1,110 | 302 | 576 |
| Sub-Total | 2,556 | .. | 3,04,493 | 1,110 | 363 | 576 |
| Gujarat (R) | 9,525 | .. | 29,970 | .. | .. | .. |
| Madhya Pradesh | .. | .. | 96,792 | .. | .. | .. |
| Maharashtra | 10,327 | 119 | 85,528 | 263 | .. | .. |
| Sub-Total | 19,852 | 119 | 2,42,290 | 263 | .. | .. |
| Andhra Pradesh | .. | .. | 78,875 | .. | .. | .. |
| Karnataka | .. | .. | 71,909@ | .. | .. | .. |
| Kerala | .. | .. | 15,846 | .. | 3 | .. |
| Tamil Nadu | 21,007 | 1 | 49,674 | 1,213 | .. | .. |
| Sub-Total | 21,007 | 1 | 2,16,304 | 1,213 | 3 | .. |
| Bihar | .. | .. | 43,806 | .. | .. | .. |
| Orissa | .. | .. | 34,067 | 189 | .. | .. |
| West Bengal | .. | .. | 37,995 | 300 | 404 | 244 |
| Sub-Total | .. | .. | 1,15,868 | 489 | 404 | 244 |
| Assam | .. | .. | 11,972 | .. | .. | .. |
| Meghalaya | .. | .. | 3,243 | .. | .. | .. |
| Sub-Total | .. | .. | 15,215 | .. | .. | .. |
| TOTAL (ALL INDIA) | 43,415 | 120 | 8,94,170 | 3,075 | 770 | 820 |

TABLE NO. 50—(Contd.)

(Circuit Kilometres)

| Name of State/U.Ts. | 3-3/2-2 KV | | Distribution lines upto 500 volts. |
|------------------------------------|------------|------------|---------------------------------------|
| | (O.H.) | (U.G.) | |
| Haryana | .. | .. | 76,689 |
| Himachal Pradesh | 3 | 41 | 25,144 |
| Jammu & Kashmir | .. | .. | 24,594 |
| Punjab | .. | .. | 92,946 |
| Rajasthan | 34 | .. | 94,799 |
| Uttar Pradesh | 137 | 294 | 1,42,827 |
| Sub-Total | 174 | 335 | 4,56,999 |
| Gujarat (R) | .. | .. | 80,863@ |
| Madhya Pradesh | 24 | .. | 1,60,913 |
| Maharashtra | .. | .. | 1,89,815@ |
| Sub-Total | 24 | .. | 4,31,591 |
| Andhra Pradesh | .. | .. | 1,47,087 |
| Karnataka | .. | .. | 1,70,679 |
| Kerala | 35 | .. | 68,265 |
| Tamil Nadu | .. | .. | 2,76,817 |
| Sub-Total | 35 | .. | 6,62,848 |
| Bihar | .. | .. | 57,551 |
| Orissa | .. | .. | 32,420 |
| West Bengal | 13 | 38 | 25,332 |
| Sub-Total | 13 | 38 | 1,15,303 |
| Assam | .. | .. | 10,578 |
| Meghalaya | .. | .. | 1,653 |
| Sub-Total | .. | .. | 12,231 |
| TOTAL (ALL INDIA) | 246 | 373 | 16,78,927 |

Note—@—Includes line length of 3.3 & 6.6 KV also since break-up of which is not available.

- In certain cases, 1983-84 figures may not be consistent with the last year figures because of estimation of data due to improper reporting of revision of data by Electricity Board.

TABLE NO. 51
Number of Transformers and their aggregate capacity
(UTILITIES ONLY)
Regionwise/Statewise as on 31st March, 1984

| Region | State/U.Ts. | Step-up | | Step-down | |
|------------------------------------|-----------------------|--------------|--------------------------|---------------|--------------------------|
| | | Number | Aggregate Capacity (KVA) | Number | Aggregate Capacity (KVA) |
| NORTHERN REGION | Haryana . . . | 6 | 5,10,000 | 482 | 49,82,270 |
| | Himachal Pradesh . . | 51 | 4,00,250 | 117 | 2,59,678 |
| | Jammu & Kashmir . . | 57 | 3,01,000 | 73 | 3,25,000 |
| | Punjab . . . | 69 | 42,99,010 | 574 | 99,95,670 |
| | Rajasthan . . . | 32 | 11,07,225 | 1,331 | 59,48,345 |
| | Uttar Pradesh . . . | 133 | 61,61,125 | 2,331 | 2,11,02,420 |
| | Chandigarh . . . | 2 | 1,500 | 9 | 62,000 |
| | Delhi . . . | 14 | 14,20,000 | 163 | 30,02,500 |
| Sub-Total | | 364 | 1,42,00,110 | 5,080 | 4,56,77,883 |
| WESTERN REGION | Gujarat . . . | 44 | 33,96,420(A) | 630 | 98,95,250 |
| | Madhya Pradesh . . | 33 | 35,29,000 | 1,401 | 1,03,77,540 |
| | Maharashtra . . . | 111 | 69,48,000 | 1,021 | 2,45,62,557 |
| | D & N Havell (R) . . | .. | .. | 12 | 10,000 |
| | Goa, Daman & Diu . . | .. | .. | 31 | 3,11,750 |
| Sub-Total | | 188 | 1,38,73,420 | 3,095 | 4,51,57,097 |
| SOUTHERN REGION | Andhra Pradesh . . . | 101(A) | 40,16,200 | 1,125 | 80,62,930 |
| | Karnataka . . . | 58(A) | 23,31,500(A) | 453(A) | 49,92,532 |
| | Kerala . . . | 36 | 11,97,975 | 232 | 35,02,700 |
| | Tamil Nadu . . . | 146 | 49,94,100 | 916 | 93,11,417 |
| | Lakshadweep . . . | 3 | 815 | .. | .. |
| | Pondicherry . . . | .. | .. | 6 | 60,000 |
| Sub-Total | | 344 | 1,25,40,590 | 2,732 | 2,59,29,579 |
| EASTERN REGION | Bihar | 38(A) | 14,66,800 | 685 | 40,30,100 |
| | Orissa | 28(A) | 14,85,350(A) | 438 | 19,87,390 |
| | West Bengal . . . | 112 | 19,84,685 | 560 | 52,21,218 |
| | D.V.C. (R) . . . | 25 | 19,64,500 | 71 | 22,54,540 |
| | A & N Islands . . . | 17 | 9,275 | .. | .. |
| | Sikkim (R) . . . | 11 | 17,950 | 6 | 20,750 |
| Sub-Total | | 231 | 69,28,560 | 1,760 | 1,35,13,998 |
| NORTH EASTERN REGION | Assam (R) . . . | 43(E) | 3,76,707(E) | 177 | 5,89,063 |
| | Manipur | 22 | 1,33,200 | 17 | 48,300 |
| | Meghalaya | 16 | 2,07,550 | 55 | 1,06,090 |
| | Nagaland | 4 | 1,500 | 39(A) | 73,175 |
| | Tripura | 3 | 17,640 | 21 | 55,620 |
| | Arunachal Pradesh . . | 26(A) | 11,325 | 5 | 1,319 |
| | Mizoram | 17 | 6,250 | 4 | 8,750 |
| Sub-Total | | 131 | 7,54,172 | 318 | 8,82,217 |
| TOTAL (ALL INDIA) | | 1,258 | 4,82,96,852 | 12,985 | 13,11,60,774 |

(A) Figure has gone down as compared to previous year due to revision of figures, detection/failure of transformers or installation of higher capacity transformers by Board/Electricity Departments.

TABLE NO. 51—(Contd.)

| State/U.Ts. | DISTRIBUTION | |
|------------------------|-----------------|--------------------------|
| | Number | Aggregate capacity (KVA) |
| Haryana | 38,392 | 29,81,112 |
| Himachal Pradesh | 3,841 | 2,40,796 |
| Jammu & Kashmir | 2,700 | 3,50,000 |
| Punjab | 45,147 | 34,21,962 |
| Rajasthan | 43,673 | 29,40,859 |
| Uttar Pradesh | 1,35,237 | 73,28,197 |
| Chandigarh | 446(A) | 1,38,518 |
| Delhi | 3,848 | 19,49,670 |
| Sub-Total | 2,73,284 | 1,93,51,114 |
| Gujarat | 60,707 | 49,24,270 |
| Madhya Pradesh | 54,650 | 35,77,970 |
| Maharashtra | 77,830 | 69,83,113 |
| D & N Haveli (R) | 85 | 4,879 |
| Goa, Daman & Diu | 1,192 | 1,02,711 |
| Sub-Total | 1,94,464 | 1,55,92,943 |
| Andhra Pradesh | 47,080 | 34,71,028 |
| Karnataka | 41,755 | 27,51,506 |
| Kerala | 12,300 | 13,10,607 |
| Tamil Nadu | 58,074 | 58,99,691 |
| Lakshadweep | 11 | 775 |
| Pondicherry | 699 | 82,015 |
| Sub-Total | 1,59,919 | 1,35,15,622 |
| Bihar | 25,043 | 20,42,362 |
| Orissa | 14,249 | 9,89,411 |
| West Bengal | 21,688 | 15,46,845 |
| D.V.C. | 33 | 3,675 |
| A&N Islands | 103 | 9,205 |
| Sikkim (R) | 130 | 11,500 |
| Sub-Total | 61,246 | 46,02,998 |
| Assam (R) | 3,695 | 4,69,111 |
| Manipur | 558 | 38,740 |
| Meghalaya | 965 | 60,470 |
| Nagaland | 674 | 45,808 |
| Tripura | 1,031 | 63,510 |
| Arunachal Pradesh | 369 | 35,270 |
| Mizoram | 135 | 17,566 |
| Sub-Total | 7,427 | 7,30,475 |
| TOTAL ALL INDIA | 6,96,340 | 5,37,93,152 |

— Data of 1982-83 repeated due to non-availability of information.

TABLE NO. 52

Number of Transformers and their Aggregate Capacity (Utilities only) in State Electricity Board as on 31st March, 1984

| Region | State/U.Ts. | Step-up Transformers | | Step-down Transformers | |
|------------------------------------|----------------------------|----------------------|--------------------------|------------------------|--------------------------|
| | | Number | Aggregate Capacity (KVA) | Number | Aggregate capacity (KVA) |
| NORTHERN REGION | Haryana | 6 | 5,10,000 | 482 | 49,82,270 |
| | Himachal Pradesh | 42 | 1,75,250 | 117 | 2,59,678 |
| | Jammu & Kashmir | 57 | 3,01,000 | 73 | 3,25,000 |
| | Punjab | 21 | 8,27,010(A) | 503 | 64,68,670 |
| | Rajasthan | 30 | 6,07,225 | 1,325 | 58,72,345 |
| | Uttar Pradesh | 128 | 49,11,125 | 2,331 | 2,11,02,420 |
| Sub-Total | | 284 | 73,31,610 | 4,831 | 3,90,10,383 |
| WESTERN REGION | Gujarat | 31 | 29,01,420(A) | 583 | 92,22,250 |
| | Madhya Pradesh | 30(A) | 28,09,000 | 1,401 | 1,03,77,540 |
| | Maharashtra | 77 | 51,07,000 | 775 | 2,07,49,032 |
| | Sub-Total | 138 | 1,08,17,420 | 2,759 | 4,03,48,822 |
| SOUTHERN REGION | Andhra Pradesh | 90(A) | 37,75,000 | 1,118 | 80,27,930 |
| | Karnataka | 58(A) | 23,31,500(A) | 453(A) | 49,92,532 |
| | Kerala | 36 | 11,97,975 | 232 | 35,02,700 |
| | Tamil Nadu | 134 | 37,49,100 | 893 | 89,41,417 |
| | Sub-Total | 318 | 1,10,53,535 | 2,696 | 2,54,64,579 |
| EASTERN REGION | Bihar | 38(A) | 14,66,800 | 685 | 40,30,100 |
| | Orissa | 28(A) | 14,85,350(A) | 438 | 19,87,390 |
| | West Bengal (R) | 91(E) | 13,75,485(E) | 414 | 31,24,518 |
| | Sub-Total | 157 | 43,27,635 | 1,537 | 91,42,008 |
| NORTH EASTERN REGION | Assam (R) | 43(E) | 37,67,07(E) | 177 | 5,89,063 |
| | Meghalaya | 14 | 1,50,500 | 43 | 73,590 |
| | Sub-Total | 57 | 5,27,207 | 220 | 6,62,653 |
| TOTAL (ALL INDIA) | | 954 | 3,40,57,447 | 12,043 | 11,46,28,445 |

(A) — Figure has gone down as compared to previous year due to revision/deletion/failure or installation of higher capacity transformers by Board/Electricity Deptt.

TABLE NO. 52—(Concl'd.)

NOTE —(1) In certain cases Numbers and capacity of step-up transformers in respect of generating sets added during the year have not been reported, as such, number and capacity of step-up transformers for these units have been estimated.

(2) In certain cases number and aggregate capacity of transformers have gone down as compared to last year due to estimation of data because of improper reporting or revision of data by State Electricity Boards at later stages.

SECTION VIII

Utilisation

UTILISATION

I. Energy consumption

Electricity consumption by various categories of consumers served by utilities during the year under review was 102344.49 Gwh registering an increase of 7.07% over the previous year.

As in the preceding year, the major portion of electricity viz. 91876.85 Gwh representing 89.77% of the total energy consumption was distributed by the Public Sector and remaining 10.23% was distributed by the Private Sector. Out of the 89.77% of energy distributed by the Public Sector, 79.59% was sold by the 18 State Electricity Boards and balance 10.18% was supplied by the Municipalities and Electricity Departments of States and Union Territories. Out of 10.23% of energy distributed by the whole Private Sector, the 3 major private licensees viz. Tata Electric Companies, Calcutta Electric Supply Corporation and Ahmedabad Electricity Supply Company distributed 2.43%, 2.79% and 1.83% of energy to its consumers respectively. The details of energy sold by various agencies are enumerated in the following table:--

| Sl.No. | Ownership | Energy sold to ultimate consumers | % to total consumers | Increase over 1982-83 |
|--|-----------|-----------------------------------|----------------------|-----------------------|
| 1. State Electricity Boards | | 81,460.70 | 79.59 | 6.01 |
| 2. Electricity Departments | | 5,308.99 | 5.19 | 16.14 |
| 3. Municipalities (including DESU) | | 5,107.16 | 4.99 | 5.36 |
| 4. Private licensees (including Co-operatives) | | 10,467.64 | 10.23 | 12.19 |
| Total | | 1,02,344.49 | 100.00 | 7.07 |

As regards the energy consumed by various classes of consumers, the industrial category of consumers, as usual consumed highest energy and was 55.79% of the total energy sold by public utilities as compared to 55.41% during 1982-83. The energy sales to industrial consumers registered an increase of 7.79% over the previous year.

Agricultural consumers remained the second largest category amongst the consumers of electricity, consuming 17.81% of total energy sales as compared to 18.64% during the previous year. Percentage increase in consumption of energy by agricultural consumers being 2.34 compared to previous year.

II. Per capita consumption

The per capita consumption of electricity in the country was 154.39 Kwh during 1983-84 as compared to 147.05 Kwh during 1982-83. Western region had the maximum per capita consumption of 223.22 Kwh followed by Northern, Southern, Eastern and North-Eastern Regions with figures of 154.23, 153.19, 107.47 and 41.62 respectively.

Among the States, Punjab with per capita consumption of 357.65 Kwh was at the top followed by Gujarat, Maharashtra and Haryana having per capita of 275.59, 264.49 and 243.85 Kwh respectively. However, Union Territory of Delhi had the highest per capita consumption of electricity of 452.49 Kwh in the country during the year followed by Chandigarh 402.25.

III. Electrical Accident

While utilising the electricity, several accidents occurred at various electrical installations. During the year 1983-84 total number of electrical accidents reported were 6399 which comprised of 2,472 fatal, 2,572 non-fatal accidents of human; and 1,250 fatal and 105 non-fatal accidents of animals. Corresponding figures for the year 1982-83 were 2,484 fatal, 2,771 non-fatal accidents to human and 1,501 fatal and 152 non-fatal accidents of animals.

The various tables in the Section depict the energy consumed by different categories of consumers in various States/Electricity Boards etc; per capita consumption of electricity and electrical accidents.

160

TABLE NO. 53
All India Energy Sales (Utilities only) During 1983-84

| Category | Energy sold during 1983-84 (GWH) | % to total sales in 1983-84 | Energy sold during 1982-83 (GWH) | % to total sales in 1982-83 | % increase in sales over previous year 1982-83 |
|---|-------------------------------------|-----------------------------|-------------------------------------|-----------------------------|--|
| Domestic | 13,234.51 | 12.93 | 12,091.63 | 12.65 | 9.45 |
| Commercial | 6,560.95 | 6.41 | 5,846.25 | 6.12 | 12.22 |
| Industrial Power | 57,094.47 | 55.79 | 52,967.36 | 55.41 | 7.79 |
| Public Lighting | 934.32 | 0.91 | 835.79 | 0.87 | 11.79 |
| Railways/Tramways | 2709.86 | 2.65 | 2632.60 | 2.75 | 2.93 |
| Agriculture | 18,233.63 | 17.81 | 17,816.84 | 18.64 | 2.34 |
| Public water Works and Sewage pumping | 1,828.11 | 1.79 | 1,757.36 | 1.84 | 4.02 |
| Miscellaneous | 1,748.64 | 1.71 | 1,640.74 | 1.72 | 6.58 |
| TOTAL | 1,02,344.49 | 100.00 | 95,588.57 | 100.00 | 7.07 |

TABLE NO. 54
Energy Sales to Ultimate Consumers (Utilities only)
Ownershipwise-Regionwise/Statewise during the year 1983-84

| Region | State/U.Ts. | Total energy sold (GWH) | Public sector | | |
|-----------------------------|------------------------------------|-------------------------|------------------|-------------------|--------------|
| | | | State (GWH) | Electricity Board | % to total |
| NORTHERN REGION | Haryana | 3,235.10 | 3,235.10 | | 100.00 |
| | Himachal Pradesh | 432.73 | 394.97 | | 91.27 |
| | Jammu & Kashmir | 715.84 | 655.38 | | 91.55 |
| | Punjab | 6,291.02 | 5,403.23 | | 85.89 |
| | Rajasthan | 4,251.19 | 4,137.37 | | 97.32 |
| | Uttar Pradesh | 10,225.86 | 10,183.33 | | 99.58 |
| | Chandigarh | 208.59 | .. | | .. |
| | Delhi | 2,959.69 | .. | | .. |
| | Sub-Total | 28,319.97 | 24,009.38 | | 84.78 |
| WESTERN REGION | Gujarat | 9,302.73 | 6,700.91 | | 72.03 |
| | Madhya Pradesh | 6,899.54 | 6,822.70 | | 98.69 |
| | Maharashtra | 16,907.70 | 10,670.72 | | 63.11 |
| | Goa, Daman & Diu | 261.87 | .. | | .. |
| | D & N. Haveli | 10.71 | .. | | .. |
| | Sub-Total | 33,382.55 | 24,194.33 | | 72.47 |
| SOUTHERN REGION | Andhra Pradesh | 7,699.56 | 7,593.59 | | 98.62 |
| | Karnataka | 6,316.28 | 6,296.00 | | 99.69 |
| | Kerala | 2,570.37 | 2,543.05 | | 98.94 |
| | Tamilnadu | 8,233.09 | 7,585.00 | | 92.13 |
| | Pondicherry | 133.86 | .. | | .. |
| | Lakshadweep | 2.41 | .. | | .. |
| | Sub-Total | 24,955.57 | 24,017.64 | | 98.24 |
| EASTERN REGION | Bihar | 4,980.83 | 3,052.72 | | 61.29 |
| | Orissa | 3,237.44 | 3,232.03 | | 99.83 |
| | West Bengal | 6,396.04 | 2,059.68 | | 32.20 |
| | A & N Islands | 13.27 | .. | | .. |
| | Sikkim | 18.59 | .. | | .. |
| | Sub-Total | 14,646.17 | 8,344.43 | | 56.97 |
| NORTH EASTERN REGION | Assam | 802.43 | 802.43 | | 100.00 |
| | Manipur | 19.27 | .. | | .. |
| | Meghalaya | 92.49 | 92.49 | | 100.00 |
| | Nagaland | 46.15 | .. | | .. |
| | Tripura | 46.56 | .. | | .. |
| | Arunachal Pradesh | 18.91 | .. | | .. |
| | Mizoram | 14.42 | .. | | .. |
| | Sub-Total | 1,040.23 | 894.92 | | 86.03 |
| | TOTAL (ALL INDIA) | 1,02,344.49 | 81,460.70 | | 79.59 |

TABLE NO. 54 (Contd.)

| State/U.Ts. | Public Sector | | | |
|-----------------------------|-----------------|--------------|--|--------------|
| | Municipalities | | Govt. Deptts/Govt. Undertaking/Corporation | |
| | (GWH) | % to total | (GWH) | % to total |
| Haryana | .. | .. | .. | .. |
| Himachal Pradesh | .. | .. | 37.76 | 8.73 |
| Jammu & Kashmir | .. | .. | 44.36 | 6.20 |
| Punjab | 170.40 | 2.71 | 717.39 | 11.40 |
| Rajasthan | .. | .. | 104.73 | 2.46 |
| Uttar Pradesh | .. | .. | 10.00 | 0.10 |
| Chandigarh | .. | .. | 208.59 | 100.00 |
| Delhi | 2,897.57 | 97.90 | 62.12 | 2.10 |
| Sub-total | 3,067.97 | 10.83 | 1,184.95 | 4.19 |
| Gujarat | 223.88 | 2.41 | .. | .. |
| Madhya Pradesh | .. | .. | 29.76 | 0.43 |
| Maharashtra | 1,603.10 | 9.48 | 100.24 | 0.59 |
| Goa, Daman & Diu | .. | .. | 261.87 | 100.00 |
| D & N Haveli | .. | .. | 10.71 | 100.00 |
| Sub-Total | 1,826.98 | 5.47 | 402.58 | 1.21 |
| Andhra Pradesh | .. | .. | 4.16 | 0.05 |
| Karnataka | .. | .. | .. | .. |
| Kerala | 24.00 | 0.93 | .. | .. |
| Tamilnadu | 188.21 | 2.29 | 443.73 | 5.39 |
| Pondicherry | .. | .. | 133.86 | 100.00 |
| Lakshadweep | .. | .. | 2.41 | 100.00 |
| Sub-Total | 212.21 | 0.85 | 584.16 | 2.34 |
| Bihar | .. | .. | 1,919.09 | 38.53 |
| Orissa | .. | .. | .. | .. |
| West Bengal | .. | .. | 1,041.04 | 16.28 |
| A & N Islands | .. | .. | 13.27 | 100.00 |
| Sikkim | .. | .. | 18.59 | 100.00 |
| Sub-Total | .. | .. | 2,991.99 | 20.43 |
| Assam | .. | .. | .. | .. |
| Manipur | .. | .. | 19.27 | 100.00 |
| Meghalaya | .. | .. | .. | .. |
| Nagaland | .. | .. | 46.15 | 100.00 |
| Tripura | .. | .. | 46.56 | 100.00 |
| Arunachal Pradesh | .. | .. | 18.91 | 100.00 |
| Mizoram | .. | .. | 14.42 | 100.00 |
| Sub-Total | .. | .. | 145.21 | 23.97 |
| TOTAL (ALL INDIA) | 5,107.16 | 4.99 | 5,308.99 | 5.19 |

TABLE NO- 54 (Contd.)

| State/Uts. | Private Sector Companies | |
|--------------------------|--------------------------|--------------|
| | (GWH) | % to total |
| Haryana | .. | .. |
| Himachal Pradesh | .. | .. |
| Jammu & Kashmir | .. | .. |
| Punjab | .. | .. |
| Rajasthan | .. | .. |
| Uttar Pradesh | .. | .. |
| Chandigarh | .. | .. |
| Delhi | .. | .. |
| Sub-Total | 57.67 | 0.20 |
| Gujarat | 2,377.94 | 25.56 |
| Madhya Pradesh | 47.08 | 0.68 |
| Maharashtra | 4,533.64 | 26.81 |
| Goa, Daman & Diu | .. | .. |
| D & N Haveli | .. | .. |
| Sub-Total | 6,958.66 | 20.85 |
| Andhra Pradesh | 101.81 | 1.32 |
| Karnataka | 20.28 | 0.32 |
| Kerala | 3.32 | 0.13 |
| Tamil Nadu | 16.15 | 0.20 |
| Pondicherry | .. | .. |
| Lakshadweep | .. | .. |
| Sub-Total | 141.56 | 0.57 |
| Bihar | 9.02 | 0.18 |
| Orissa | 5.41 | 0.17 |
| West Bengal | 3,295.32 | 51.52 |
| A & N Islands | .. | .. |
| Sikkim | .. | .. |
| Sub-Total | 3,309.75 | 22.60 |
| Assam | .. | .. |
| Manipur | .. | .. |
| Meghalaya | .. | .. |
| Nagaland | .. | .. |
| Tripura | .. | .. |
| Arunachal Pradesh | .. | .. |
| Mizoram | .. | .. |
| Sub-Total | .. | .. |
| TOTAL (ALL-INDIA) | 10,467.64 | 10.23 |

TABLE NO. 55

Energy Sales to Ultimate Consumers (Utilities only) Categorywise-Regionwise/Statewise during the year 1983-84

(GWH)

| Region | State/U.Ts. | Total Energy sold | Domestic | Commercial |
|--------------------------------|-------------------------|--------------------|------------------|-----------------|
| NORTHERN REGION | Haryana . . . | 3,235.10 | 377.98 | 96.26 |
| | Himachal Pradesh . . . | 432.73 | 92.48 | 45.51 |
| | Jammu & Kashmir . . . | 715.84 | 171.26 | 36.88 |
| | Punjab . . . | 6,291.02 | 716.83 | 174.79 |
| | Rajasthan . . . | 4,251.14 | 341.09 | 197.01 |
| | Uttar Pradesh . . . | 10,225.86 | 1,328.28 | 611.13 |
| | Chandigarh . . . | 208.59 | 74.10 | 32.33 |
| | Delhi . . . | 2,959.69 | 1,020.19 | 974.74 |
| Sub-Total . . . | | 28,319.97 | 4,122.21 | 2,168.65 |
| WESTERN REGION | Gujarat . . . | 9,302.73 | 934.14 | 401.45 |
| | Madhya Pradesh . . . | 6,389.54 | 547.01 | 283.91 |
| | Maharashtra . . . | 16,907.70 | 2,374.63 | 1,197.86 |
| | Goa, Daman & Diu . . . | 261.87 | 60.36 | 19.60 |
| | D. & N. Haveli . . . | 10.71 | 1.00 | 0.82 |
| Sub-Total . . . | | 33,382.55 | 3,917.14 | 1,903.64 |
| EASTERN REGION | Bihar (S) . . . | 4,980.83 | 177.74 | 104.48 |
| | Orissa . . . | 3237.44 | 159.50 | 88.82 |
| | West Bengal (S) . . . | 6,396.04 | 975.52 | 711.70 |
| | A. & N. Islands . . . | 13.27 | 5.24 | 5.16 |
| | Sikkim . . . | 18.59 | 9.31 | 2.50 |
| Sub-Total . . . | | 14,646.17 | 1,327.31 | 912.66 |
| SOUTHERN REGION | Andhra Pradesh . . . | 7,699.56 | 902.46 | 281.34 |
| | Karnataka . . . | 6,316.28 | 1,186.81 | 175.70 |
| | Kerala . . . | 2,570.37 | 652.07 | 228.26 |
| | Tamil Nadu . . . | 8,233.09 | 928.46 | 769.68 |
| | Pondicherry . . . | 133.86 | 25.08 | 8.00 |
| | Lakshadweep . . . | 2.41 | 1.43 | 0.65 |
| Sub-Total . . . | | 24,955.57 | 3,696.31 | 1,464.44 |
| NORTH EASTERN REGION | Assam . . . | 802.43 | 95.40 | 80.98 |
| | Manipur . . . | 19.27 | 12.91 | 0.52 |
| | Meghalaya . . . | 92.49 | 19.08 | 16.77 |
| | Nagaland . . . | 46.15 | 8.90 | 5.36 |
| | Tripura . . . | 46.56 | 16.30 | 6.10 |
| | Arunachal Pradesh . . . | 18.91 | 7.64 | 1.29 |
| | Mizoram . . . | 14.42 | 11.31 | 0.54 |
| Sub-Total . . . | | 1,040.23 | 171.54 | 111.56 |
| (TOTAL ALL INDIA) . . . | | 1,02,344.49 | 13,234.51 | 6,560.95 |

Note : -(S) includes DVC's sales to ultimate consumers in Bihar and West Bengal.

TABLE NO. 55 (Contd.).

| State/UTs. | Industrial Power (Low & Medium Voltage) | Industrial Power (High Voltage) | Public Lighting | Traction |
|----------------------------------|---|------------------------------------|-----------------|-----------------|
| Haryana | 409·37 | 933·48 | 12·35 | .. |
| Himachal Pradesh | 207·05 | (A) | 2·17 | .. |
| Jammu & Kashmir | 170·51 | (A) | 19·02 | .. |
| Punjab | 720·23 | 2278·75 (B) | 17·38 | .. |
| Rajasthan | 373·61 | 1721·01 | 24·25 | .. |
| Uttar Pradesh | 1,483·40 | 2,586·65 | 34·19 | 473·22 |
| Chattisgarh | 39·47 | 47·54 | 6·32 | .. |
| Delhi | 398·00 | 460·00 | 46·66 | .. |
| Sub-Total | 3,801·64 | 8,027·43 | 162·34 | 473·22 |
| Gujarat | 1,059·64 | 5,010·54 | 90·84 | 129·29 |
| Madhya Pradesh | 420·39 | 4,644·73 | 58·93 | 150·35 |
| Maharashtra | 1,451·33 | 7,833·56 | 185·21 | 670·64 |
| Goa, Daman & Diu | 11,292·27 | (A) | 3·82 | .. |
| D. & N. Haveli | 11·78 | 6·50 | 0·16 | .. |
| Sub-Total | 3,062·41 | 17,495·33 | 338·96 | 950·28 |
| Bihar | 235·12 | 3,332·86 | 8·31 | 395·49 |
| Orissa | 155·34 | 2,440·48 | 11·09 | 182·25 |
| West Bengal | 1,395·29 | 2,486·96 | 52·83 | 437·40 |
| A. & N. Island | 2·21 | .. | 0·46 | .. |
| Sikkim | 3·89 | .. | 0·60 | .. |
| Sub-Total | 1,791·85 | 8,260·30 | 73·29 | 1,015·14 |
| Andhra Pradesh | 562·34 | 3,629·67 | 79·20 | 168·22 |
| Karnataka | 631·61 | 3,692·23 | 95·58 | .. |
| Kerala | 231·48 | 1,253·49 | 71·90 | .. |
| Tamil Nadu | 803·60 | 3198·86 | 99·76 | 103·00 |
| Pondicherry | 11·80 | 46·37 | 2·46 | .. |
| Lakshadweep | 0·17 | .. | 0·16 | .. |
| Sub-Total | 2,241·00 | 11,820·62 | 349·06 | 271·22 |
| Assam | 241·35 | 284·30 | 4·42 | .. |
| Manipur | 1·45 | .. | 0·44 | .. |
| Meghalaya | 39·58 | .. | 0·29 | .. |
| Nagaland | 1·26 | 15·27 | 0·45 | .. |
| Tripura | 6·26 | 12·40 | 1·25 | .. |
| Arunachal Pradesh | 2·02 | .. | 2·55 | .. |
| Mizoram | (D) | .. | 1·27 | .. |
| Sub-Total | 291·92 | 301·97 | 10·67 | .. |
| TOTAL (ALL INDIA) | 11,188·82 | 45,905·65 | 934·32 | 2,709·86 |

Note :— (A) Included in industrial (Low & Medium) Voltage.

(B) Includes 707·39 GWH sales to Nangal fertilizers by B.B.M.B.

(D) Included in Domestic category.

TABLE NO. 55 (Contd.)

| State/U.Ts. | Agriculture | Public Water Work and Sewage pumping | Miscellaneous |
|------------------------------------|------------------|--------------------------------------|-----------------|
| Haryana | 1,301.38 | 23.62 | 80.66 |
| Himachal Pradesh | 11.98 | (F) | 73.54 |
| Jammu & Kashmir | 32.03 | 73.81 | 212.33 |
| Punjab | 2,189.07 | 7.18(C) | 186.79 |
| Rajasthan | 1,307.41 | 181.13 | 105.63 |
| Uttar Pradesh | 3,518.41 | 190.58 | .. |
| Chandigarh | 1.09 | 6.15 | 1.59 |
| Delhi | (F) | (F) | 60.10 |
| Sub-Total | 8,361.37 | 482.47 | 720.64 |
| Gujarat | 1,427.82 | 204.66 | 44.35 |
| Madhya Pradesh | 557.40 | 207.05 | 29.77 |
| Maharashtra | 2,541.00 | 422.75 | 230.72 |
| Goa, Daman & Diu | 5.80 | 23.78 | 19.24 |
| D. & N. Haveli | 0.31 | 0.14 | .. |
| Sub-Total | 4,532.33 | 858.38 | 324.08 |
| Bihar | 646.28 | 60.54 | 20.01 |
| Orissa | 74.42 | 46.69 | 78.85 |
| West Bengal | 100.59 | 176.91 | 58.84 |
| A. & N. Islands | .. | 0.09 | 0.11 |
| Sikkim | .. | .. | 2.29 |
| Sub-Total | 821.29 | 284.23 | 160.10 |
| Andhra Pradesh | 1,626.58 | 40.82 | 408.93 |
| Karnataka | 533.90 | 0.45(AA) | .. |
| Kerala | 93.57 | 39.60 | .. |
| Tamil Nadu | 2,211.50 | 102.45 | 15.78 |
| Pondicherry | 33.20 | 5.87 | 0.27 |
| Lakshadweep | .. | .. | .. |
| Sub-Total | 4,498.75 | 189.19 | 424.98 |
| Assam | 8.56 | 6.32 | 81.10 |
| Manipur | 3.95 | .. | .. |
| Meghalaya | 0.03 | 1.02 | 15.72 |
| Nagaland | .. | 0.12 | 14.79 |
| Tripura | 7.35 | 6.18 | 0.72 |
| Arunachal Pradesh | .. | 0.15 | 5.26 |
| Mizoram | .. | 0.05 | 1.25 |
| Sub-Total | 19.89 | 13.84 | 118.84 |
| TOTAL (ALL INDIA) | 18,233.63 | 1,828.11 | 1,748.64 |

Note :—(C) It does not include energy supplied by P.S.E.B. to public water works consumers which has been included in Agricultural category.

(F) Included in Industrial (H.V.).

Miscellaneous :—Includes supply to non-traction, non-industrial, M.E.S.Irrigation Board, Project's under construction and free colony consumption etc.

(AA) Karnataka Electricity Boards Public Water Works consumption included in Industrial (Low & Medium) Voltage.

TABLE NO. 56
Energy Sales by States Electricity Boards Category-wise-Regions-wise During 1983-84

(GWH)

| Region | State/U.Ts. | Total sold to ultimate consumers | Domestic | Commercial |
|-----------------------------|------------------|----------------------------------|-----------------|-----------------|
| NORTHERN REGION | Haryana | 3,235.10 | 377.98 | 96.26 |
| | Himachal Pradesh | 394.97 | 92.48 | 45.51 |
| | Jammu & Kashmir | 655.38 | 170.05 | 36.63 |
| | Punjab | 5,403.23 | 657.78 | 150.37 |
| | Rajasthan | 4,137.37 | 340.22 | 196.40 |
| | Uttar Pradesh | 10,183.33 | 1,316.54 | 611.07 |
| Sub-Total | | 24,009.38 | 2,955.05 | 1,136.24 |
| WESTERN REGION | Gujarat | 6,700.91 | 563.49 | 114.67 |
| | Madhya Pradesh | 6,822.70 | 538.90 | 279.48 |
| | Maharashtra | 10,670.72 | 1,096.46 | 373.29 |
| | Sub-Total | 24,194.33 | 2,198.85 | 767.44 |
| EASTERN REGION | Bihar (A) | 3,052.72 | 176.77 | 104.05 |
| | Orissa | 3,232.03 | 156.70 | 88.28 |
| | West Bengal (A) | 2,059.68 | 212.93 | 259.41 |
| | Sub-Total | 8,344.43 | 546.40 | 451.74 |
| SOUTHERN REGION | Andhra Pradesh | 7,593.59 | 879.07 | 276.77 |
| | Karnataka | 6,296.00 | 1,183.00 | 175.00 |
| | Kerala | 2,543.05 | 645.10 | 221.21 |
| | Tamil Nadu | 7,585.00 | 853.00 | 723.00 |
| Sub-Total | | 24,017.64 | 3,560.17 | 1,395.98 |
| NORTH EASTERN REGION | Assam | 802.43 | 95.40 | 80.98 |
| | Meghalaya | 92.49 | 19.08 | 16.77 |
| Sub-Total | | 894.92 | 114.48 | 97.75 |
| TOTAL (ALL INDIA) | | 81,460.70 | 9,374.95 | 3,849.15 |

(A).—Excludes D.V.C.'s sales to ultimate consumers in Bihar and West Bengal.

TABLE NO. 56 (Contd.)

(GWH)

| Name of the State Electricity Board | Industrial (Low & medium voltage) | Industrial (High Voltage) | Public Lighting |
|-------------------------------------|---|------------------------------|--------------------|
| Haryana | 409.37 | 933.48 | 12.35 |
| Himachal Pradesh | 207.05 | (B) | 2.17 |
| Jammu & Kashmir | 168.95 | (B) | 18.93 |
| Punjab | 674.67 | 1,546.06 | 14.91 |
| Rajasthan | 372.27 | 1,616.28 | 24.16 |
| Uttar Pradesh | 1,478.81 | 2,573.17 | 34.14 |
| Sub-Total | 3,311.12 | 6,668.99 | 106.66 |
| Gujarat | 630.79 | 3,713.28 | 52.56 |
| Madhya Pradesh | 411.41 | 4,644.71 | 56.84 |
| Maharashtra | 836.88 | 5,013.66 | 116.59 |
| Sub-Total | 1,879.08 | 13,371.65 | 225.99 |
| Bihar | 233.39 | 1,596.19 | 8.30 |
| Orissa | 154.17 | 2,439.95 | 11.05 |
| West Bengal | 1,129.29 | (B) | 12.33 |
| Sub-Total | 1,516.85 | 4,036.14 | 31.68 |
| Andhra Pradesh | 541.09 | 3,629.67 | 76.85 |
| Karnataka | 629.00 | 3,691.00 | 95.00 |
| Kerala | 225.58 | 1,248.13 | 70.08 |
| Tamil Nadu | 752.00 | 2,749.00 | 90.00 |
| Sub-Total | 2,147.67 | 11,317.80 | 331.93 |
| Assam | 241.35 (C) | 284.30 | 4.42 |
| Meghalaya | 39.58 | .. | 0.29 |
| Sub-Total | 280.93 | 284.30 | 4.71 |
| TOTAL (ALL INDIA) | 9,135.65 | 35,678.88 | 700.97 |

Note : (B) Included in Industrial (Low & Medium) Voltage.

(C) Includes 160.37 GWH sales to tea gardens.

TABLE NO. 56 (Contd.)

| Name of the S.E.B. | Traction | Agriculture | Public Water Works | Miscellaneous |
|------------------------------------|-----------------|------------------|--------------------|-----------------|
| Haryana | .. | 1,301.38 | 23.62 | 80.66 |
| Himachal Pradesh | .. | 11.98 | (B) | 35.78 |
| Jammu & Kashmir | .. | 31.42 | 69.53 | 159.87 |
| Punjab | .. | 2,183.84 | (D) | 175.60 |
| Rajasthan | .. | 1,301.58 | 180.83 | 105.63 |
| Uttar Pradesh | 473.22 | 3,505.80 | 190.58 | .. |
| Sub-Total | 473.22 | 8,336.00 | 464.56 | 557.54 |
| Gujarat | 129.29 | 1,414.39 | 82.44 | .. |
| Madhya Pradesh | 150.35 | 535.07 | 205.94 | .. |
| Maharashtra | 221.40 | 2,400.14 | 382.90 | 229.40 |
| Sub-Total | 501.04 | 4,349.60 | 671.28 | 229.40 |
| Bihar | 232.06 | 641.42 | 60.54 | .. |
| Orissa | 182.25 | 74.42 | 46.69 | 78.52 |
| West Bengal | 325.79 | 100.10 | 19.83 | .. |
| Sub-Total | 740.10 | 815.94 | 127.06 | 78.52 |
| Andhra Pradesh | 168.22 | 1,572.89 | 40.78 | 408.25 |
| Karnataka | .. | 523.00 | (B) | .. |
| Kerala | .. | 93.35 | 39.60 | .. |
| Tamil Nadu | 130.00 | 2,200.00 | 102.00 | 13.00 |
| Sub-Total | 271.22 | 4,389.24 | 182.38 | 421.25 |
| Assam | .. | 8.56 | 6.32 | 81.10 |
| Meghalaya | .. | 0.03 | 1.02 | 15.72 |
| Sub-Total | .. | 8.59 | 7.34 | 96.82 |
| TOTAL (ALL INDIA) | 1,985.58 | 17,899.37 | 1,452.62 | 1,383.53 |

Note : (D) Included in agriculture category.

Miscellaneous : Includes supply to non-traction, non-industrial, M.E.S., Irrigation Boards, Projects under construction, free colony consumption etc.

TABLE NO. 57
Energy Sales by Private Licensees
Categorywise-regionwise/Statewise during 1983-84

(GWH)

| Region | State/UTs. | Total sold to ultimate consumers | Domestic | Commercial |
|-----------------|------------------------------|--|-----------------|---------------|
| NORTHERN REGION | Jammu & Kashmir . . | 16.10 | 1.21 | 0.24 |
| | Rajasthan . . | 9.04 | 0.37 | 0.61 |
| | Uttar Pradesh . . | 32.53 | 1.74 | 0.06 |
| | Sub-Total . . | 57.67 | 3.82 | 0.92 |
| WESTERN REGION | Gujarat . . | 2,377.94 | 293.15 | 269.23 |
| | Madhya Pradesh . . | 47.08 | 8.11 | 4.43 |
| | Maharashtra . . | 4,533.64 | 700.24 | 234.71 |
| | Sub-Total . . | 6,958.66 | 1,001.70 | 508.87 |
| SOUTHERN REGION | Andhra Pradesh . . | 101.81 | 19.23 | 4.57 |
| | Karnataka . . | 20.28 | 3.81 | 0.70 |
| | Kerala . . | 3.32 | 1.62 | 0.62 |
| | Tamil Nadu . . | 16.15 | 5.70 | 1.63 |
| | Sub-Total . . | 141.56 | 30.36 | 7.52 |
| EASTERN REGION | Bihar . . | 9.02 | 0.97 | 0.40 |
| | Orissa . . | 5.41 | 2.80 | 0.54 |
| | West Bengal . . | 3,295.32 | 746.59 | 450.75 |
| | Sub-Total . . | 3,309.75 | 750.36 | 451.69 |
| | TOTAL (ALL INDIA) . . | 10,467.64 | 1,786.24 | 968.50 |

TABLE NO. 57 (Contd.)

| State/UTs. | Industrial Power (Low & Medium Voltage) | Industrial Power (High Voltage) | Public Lighting | Traction |
|--------------------------------|---|---------------------------------|-----------------|---------------|
| Jammu & Kashmir . . . | 1.56 | . | 0.09 | |
| Rajasthan . . . | 1.34 | .. | 0.09 | .. |
| Uttar Pradesh . . . | 4.59 | 13.48 | 0.05 | .. |
| Sub-Total . . . | 7.49 | 13.48 | 0.23 | .. |
| Gujarat . . . | 404.90 | 1,222.26 | 23.98 | .. |
| Madhya Pradesh . . . | 8.98 | 0.02 | 2.09 | .. |
| Maharashtra . . . | 425.49 | 2,630.32 | 38.81 | 349.00 |
| Sub-Total . . . | 839.37 | 3,852.60 | 64.88 | 349.00 |
| Andhra Pradesh . . . | 21.25 | .. | 2.35 | .. |
| Karnataka . . . | 2.61 | 1.23 | 0.58 | .. |
| Kerala . . . | 1.08 | (C) | .. | .. |
| Tamil Nadu . . . | 2.61 | 0.27 | 0.80 | .. |
| Sub-Total . . . | 27.55 | 1.50 | 3.73 | .. |
| Bihar . . . | 1.73 | 1.04 | 0.01 | .. |
| Orissa . . . | 1.17 | 0.53 | 0.04 | .. |
| West Bengal . . . | 263.00 | 1,564.57 | 40.00 | 25.00 |
| Sub-Total . . . | 265.90 | 1,566.14 | 40.05 | 25.00 |
| TOTAL (ALL INDIA) . . . | 1,140.31 | 5,433.72 | 108.89 | 374.00 |

TABLE—NO. 57 (Contd.)

| State/UTs. | Agricultural | Public water works and Sewage Pumping | Miscellaneous |
|------------------------------------|---------------|---------------------------------------|---------------|
| Jananu & Kashmir | 0.61 | 4.28 | 8.10 |
| Rajasthan | 5.83 | 0.30 | .. |
| Uttar Pradesh | 12.61 | .. | .. |
| Sub-Total | 19.05 | 4.58 | 8.10 |
| Gujarat | 8.88 | 111.12 | 44.22 |
| Madhya Pradesh | 22.33 | 1.11 | 0.01 |
| Maharashtra | 139.75 | 14.03 | 1.29 |
| Sub-Total | 170.96 | 126.26 | 45.52 |
| Andhra Pradesh | 53.69 | 0.04 | 0.68 |
| Karnataka | 10.90 | 0.45 | .. |
| Kerala | .. | .. | .. |
| Tamil Nadu | 4.69 | 0.45 | .. |
| Sub-Total | 69.28 | 0.94 | 0.68 |
| Bihar | 4.86 | .. | 0.01 |
| Orissa | .. | .. | 0.33 |
| West Bengal | 0.49 | 146.08 | 58.84 |
| Sub-Total | 5.35 | 146.08 | 59.18 |
| TOTAL (ALL INDIA) | 264.64 | 277.86 | 113.48 |

TABLE NO. 58

**Energy Sales to Ultimate Consumers by Electricity Departments, Central Sector, Corporations,
Government Undertakings and Municipalities**

Categorywise / Regionwise / Statewise during 1983-84

| Region | State/UTs. | Total Energy Sold | Domestic | Commercial |
|--|---|-------------------|-----------------|-----------------|
| I. Municipalities : | | | | |
| NORTHERN REGION | Punjab | 170.40 | 59.05 | 24.42 |
| | D.E.S.U. | 2,464.00 | 936.00 | 632.00 |
| | N.D.M.C. | 433.57 | 82.17 | 342.74 |
| WESTERN REGION | Gujarat | 223.88 | 77.30 | 17.55 |
| | Maharashtra | 1,603.10 | 577.93 | 589.86 |
| SOUTHERN REGION | Kerala | 24.00 | 5.35 | 6.43 |
| | Tamil Nadu | 188.21 | 69.76 | 45.05 |
| | Sub-Total | 5,107.16 | 1,807.56 | 1,658.05 |
| II. GOVT. DEPARTS./CENTRAL SECTOR UNDERTAKINGS/ CORPORATION : | | | | |
| NORTHERN REGION | Delhi (M.E.S.) . . . | 60.10 | .. | .. |
| | Punjab (B.B.M.B.) . . | 717.39 | .. | .. |
| | H.P. (Bairasul + B.S.L.) . | 37.76 | .. | .. |
| | Rajasthan (R.A.P.P.) . . | 104.73 | .. | .. |
| | J. & K. (Salal) . . . | 44.36 | .. | .. |
| | Chandigarh | 208.59 | 74.10 | 32.33 |
| | Central Sector (Bidarpur T.P.S.-+ Singrauli) . | 12.02 | 12.02 | .. |
| WESTERN REGION | Maharashtra (Chola) . . | 100.24 | .. | .. |
| | D. & N. Haveli . . . | 10.71 | 1.00 | 0.82 |
| | Goa, Daman & Diu . . | 261.87 | 60.36 | 19.60 |
| | Central Sector . . . | 29.76 | .. | .. |
| EASTERN REGION | D.V.C. ((in Bihar) . . . | 1,919.09 | .. | 0.03 |
| | D.V.C. (in West Bengal) . | 742.04 | .. | 0.04 |
| | Sikkim | 18.59 | 9.31 | 2.50 |
| | West Bengal (D.P.L.) . . | 299.00 | 16.00 | 1.50 |
| | A. & N. Islands . . . | 13.27 | 5.24 | 5.16 |
| SOUTHERN REGION | Andhra Pradesh . . . | 4.16 | 4.16 | .. |
| | (Tungabhadra Dam & Hampi) | | | |
| | Lakshadweep | 2.41 | 1.43 | 0.65 |
| | Pondicherry | 133.86 | 25.08 | 8.81 |
| | Central Sector (Neyveli) . | 443.73 | .. | .. |
| NORTH EASTERN REGION | Manipur | 19.27 | 12.91 | 0.52 |
| | Nagaland | 46.15 | 8.90 | 5.36 |
| | Tripura | 46.56 | 16.30 | 6.10 |
| | Arunachal Pradesh. . . | 18.91 | 7.64 | 1.29 |
| | Mizoram | 14.42 | 11.31 | 0.54 |
| | Sub-Total (II) . . . | 5,308.99 | 265.76 | 85.25 |
| | Total(I + II) . . . | 10,416.15 | 2,073.32 | 1743.50 |

TABLE NO. 58 (Contd.)

| Owner ship State/UTs. | Industrial Power (Low & Medium Voltage) | Industrial Power (High Voltage) | Public lighting | Traction |
|---|---|---------------------------------|-----------------|---------------|
| I. MUNICIPALITIES : | | | | |
| Punjab | 45.56 | 25.30 | 2.47 | .. |
| D.E.S.U. | 398.00 | 460.00 | 38.00 | .. |
| N.D.M.C. | .. | .. | 8.66 | .. |
| Gujarat | 23.95 | 75.00 | 14.30 | .. |
| Maharashtra | 188.96 | 189.58 | 29.81 | .. |
| Kerala | 4.82 | 5.36 | 1.82 | .. |
| Tamil Nadu | 48.99 | 5.86 | 8.96 | .. |
| Sub-Total (I) | 710.28 | 761.10 | 104.02 | |
| II. GOVT. DEPTTS./UNDERTAKINGS | | | | |
| Delhi (M.E.S.) | .. | .. | .. | .. |
| Punjab (B.B.M.B.) | .. | 707.39 | .. | .. |
| H.P. (Bairasoul + BSL) | .. | .. | .. | .. |
| Rajasthan (RAPP) | .. | 104.73 | .. | .. |
| J. & K. (Salal) | .. | .. | .. | .. |
| Chandigarh | 39.47 | 47.54 | 6.32 | .. |
| Central Sector | .. | .. | .. | .. |
| (Badarpur T.P.S.) | .. | .. | .. | .. |
| Maharashtra (Chola) | .. | .. | .. | 100.24 |
| D. & N. Haveli | 1.78 | 6.50 | 0.16 | .. |
| Goa, Daman & Diu | 129.27 | (D) | 3.82 | .. |
| Central Sector | .. | .. | .. | .. |
| D.V.C. (in Bihar) | .. | 1,735.63 | .. | 163.43 |
| D.V.C. (in West Bengal) | .. | 655.39 | .. | 86.61 |
| Sikkim | 3.89 | .. | 0.60 | .. |
| D.P.L. (West Bengal) | 3.00 | 267.00 | 0.50 | .. |
| A. & N. Islands | 2.21 | .. | 0.46 | .. |
| Andhra Pradesh (T.B. Dam & Hampi) | .. | .. | .. | .. |
| Lakshadweep | 0.17 | .. | 0.16 | .. |
| Pondicherry | 11.80 | 46.37 | 2.46 | .. |
| Central Sector (Neyveli) | .. | 443.73 | .. | .. |
| Manipur | 1.45 | .. | 0.44 | .. |
| Nagaland | 1.26 | 15.27 | 0.45 | .. |
| Tripura | 6.26 | 2.40 | 1.25 | .. |
| Arunachal Pradesh | 2.02 | .. | 2.55 | .. |
| Mizoram | (A) | .. | 1.27 | .. |
| Sub-Total (II) | 202.58 | 4,031.95 | 20.44 | 350.28 |
| Total (I+II) | 912.86 | 4,793.05 | 124.46 | 350.28 |

TABLE NO. 58 (Contd.)

(GWH)

| State/UTs. | Agricultural | Public water works and Sewage pumping | Miscellaneous |
|--------------------------------------|--------------|---------------------------------------|---------------|
| I. MUNICIPALITIES : | | | |
| Punjab | 5.23 | 7.18 | 1.19 |
| D.E.S.U. | .. | .. | .. |
| N.D.M.C. | .. | .. | .. |
| Gujarat | 4.53 | 11.10 | 0.13 |
| Maharashtra | 1.11 | 25.82 | 0.03 |
| Kerala | 0.22 | .. | .. |
| Tamil Nadu | 6.81 | .. | 2.78 |
| Sub-Total (I) | 17.92 | 44.10 | 4.13 |
| II. GOVT. DEPTT/UNDERTAKINGS: | | | |
| Delhi (M.E.S.) | .. | .. | 60.10 |
| B.B.M.B. in Punjab | .. | .. | 10.00 |
| H.P. (Bairasiul & B.S.L.) | .. | .. | 37.76 |
| Rajasthan (RAPP) | .. | .. | .. |
| J & K (Salal H.E.P.) | .. | .. | 44.36 |
| Chandigarh | 1.09 | 6.15 | 1.59 |
| Central Sector | .. | .. | .. |
| (Badarpur T.P.S. + Singrauli) | | | |
| Maharashtra (Chola) | .. | .. | .. |
| D. & N. Haveli. | 0.31 | 0.14 | .. |
| Goa, Daman & Diu | 5.80 | 23.78 | 19.24 |
| Central Sector | .. | .. | 29.76 |
| D.V.C. (in Bihar) | .. | .. | 20.00 |
| D.V.C. (in West Bengal) | .. | .. | .. |
| Sikkim | .. | .. | 2.29 |
| West Bengal (D.P.L.) | .. | 11.00 | .. |
| A. & N. Islands | .. | 0.09 | 0.11 |
| Andhra Pradesh | .. | .. | .. |
| (T.B. Dam & Hampi) | | | |
| Lakshadweep | .. | .. | .. |
| Pondicherry | 33.20 | 5.87 | 00.27 |
| Central Sector (Neyveli) | | | |
| Manipur | 3.95 | .. | .. |
| Nagaland | .. | 0.12 | 14.99 |
| Tripura | 7.35 | 6.18 | 0.72 |
| Arunachal Pradesh | .. | 0.15 | 5.26 |
| Mizoram | .. | 0.05 | 1.25 |
| Sub-Total (II) | 51.70 | 53.53 | 247.50 |
| Total (I + II) | 69.62 | 97.63 | 251.63 |

(A) Included in Domestic category.

(D) Included in Industrial Low & Medium Voltage.

(F) Included in Agricultural.

TABLE NO. 59
Pattern of Energy Sales (Category-wise)
Regionwise/Statewise during 1983-84

| Region | State/UTs. | Total sales (GWH) | Percentage to total sales | |
|--------------------------------|------------------------|--------------------|---------------------------|--------------|
| | | | Domestic | Commercial |
| NORTHERN REGION | Haryana . . . | 3,235.10 | 11.68 | 2.98 |
| | Himachal Pradesh . . . | 432.73 | 21.37 | 10.52 |
| | Jammu & Kashmir . . . | 715.84 | 23.92 | 5.15 |
| | Punjab . . . | 6,291.02 | 11.39 | 2.78 |
| | Rajasthan . . . | 4,251.14 | 8.02 | 4.04 |
| | Uttar Pradesh . . . | 10,225.86 | 12.99 | 5.98 |
| | Chandigarh . . . | 208.59 | 35.52 | 15.50 |
| | Delhi . . . | 2,959.69 | 34.47 | 32.93 |
| Sub-Total . . . | | 28,319.97 | 14.56 | 7.66 |
| WESTERN REGION | Gujarat . . . | 9,302.73 | 10.04 | 4.31 |
| | Madhya Pradesh . . . | 6,899.54 | 7.93 | 4.10 |
| | Maharashtra . . . | 16,907.70 | 14.04 | 7.08 |
| | Goa, Daman & Diu . . . | 261.87 | 23.05 | 7.48 |
| | D. & N. Haveli . . . | 10.71 | 9.34 | 7.66 |
| | Sub-Total . . . | | 33,382.55 | 11.73 |
| SOUTHERN REGION | | | 5.70 | |
| EASTERN REGION | Andhra Pradesh . . . | 7,699.56 | 11.72 | 3.65 |
| | Karnataka . . . | 6,316.28 | 18.79 | 2.78 |
| | Kerala . . . | 2,570.37 | 25.37 | 8.89 |
| | Tamil Nadu . . . | 8,233.09 | 11.28 | 9.35 |
| | Pondicherry . . . | 133.86 | 18.73 | 6.58 |
| | Lakshadweep . . . | 2.41 | 59.34 | 26.97 |
| Sub-Total . . . | | 24,955.57 | 14.80 | 5.87 |
| NORTH EASTERN REGION | Bihar . . . | 4,980.83 | 3.57 | 2.10 |
| | Orissa . . . | 3,237.44 | 4.93 | 2.74 |
| | West Bengal . . . | 6,396.04 | 15.25 | 11.13 |
| | A. & N. Islands . . . | 13.27 | 39.49 | 38.88 |
| | Sikkim . . . | 18.59 | 50.08 | 13.45 |
| | Sub-Total . . . | | 14,646.17 | 9.06 |
| TOTAL (ALL INDIA) . . . | | 1,02,344.49 | 12.93 | 6.41 |

For foot notes see Table No. 56

TABLE NO. 59—(Contd.)

| State/UTs. | Percentage to total sales | | |
|------------------------------------|---------------------------|-----------------|-------------|
| | Industrial Power | Public lighting | Traction |
| Haryana | 41.51 | 0.38 | .. |
| Himachal Pradesh | 47.85 | 0.50 | .. |
| Jammu & Kashmir | 23.82 | 2.66 | .. |
| Punjab | 47.67 | 0.28 | .. |
| Rajasthan | 49.27 | 0.57 | .. |
| Uttar Pradesh | 39.80 | 0.33 | 4.63 |
| Chandigarh | 41.71 | 3.03 | .. |
| Delhi | 28.99 | 1.58 | .. |
| Sub-Total | 41.77 | 0.67 | 1.67 |
| Gujarat | 65.25 | 0.98 | 1.39 |
| Madhya Pradesh | 73.40 | 0.85 | 2.18 |
| Maharashtra | 54.92 | 1.09 | 3.97 |
| Goa, Daman & Diu | 49.36 | 1.46 | .. |
| D. & N. Haveli | 77.32 | 1.49 | .. |
| Sub-Total | 61.58 | 1.02 | 2.85 |
| Andhra Pradesh | 54.45 | 1.03 | 2.18 |
| Karnataka | 68.45 | 1.51 | .. |
| Kerala | 57.77 | 2.80 | .. |
| Tamil Nadu | 48.61 | 1.21 | 1.25 |
| Pondicherry | 43.46 | 1.85 | .. |
| Lakshadweep | 7.05 | 6.64 | .. |
| Sub-Total | 56.35 | 1.40 | 1.09 |
| Bihar | 71.63 | 0.17 | 7.94 |
| Orissa | 80.19 | 0.34 | 5.63 |
| West Bengal | 60.70 | 0.82 | 6.84 |
| A. & N. Islands | 16.65 | 3.47 | .. |
| Sikkim | 20.92 | 3.23 | .. |
| Sub-Total | 68.64 | 0.50 | 6.93 |
| Assam | 65.50 | 0.55 | .. |
| Manipur | 7.53 | 2.28 | .. |
| Meghalaya | 42.79 | 0.32 | .. |
| Nagaland | 35.82 | 0.98 | .. |
| Tripura | 18.60 | 2.68 | .. |
| Arunachal Pradesh | 10.69 | 13.48 | .. |
| Mizoram | .. | 8.81 | .. |
| Sub-Total | 57.09 | 1.02 | .. |
| TOTAL (ALL INDIA) | 55.79 | 0.91 | 2.65 |

TABLE NO. 59—(Contd.)

| State/UTs. | Percentage to total sales | | |
|------------------------------------|---------------------------|--------------------|---------------|
| | Agricultural | Public water works | Miscellaneous |
| Haryana | 40·23 | 0·73 | 2·49 |
| Himachal Pradesh | 2·77 | .. | 16·99 |
| Jammu & Kashmir | 4·47 | 10·32 | 29·66 |
| Punjab | 34·80 | 0·11 | 2·97 |
| Rajasthan | 30·75 | 4·26 | 2·48 |
| Uttar Pradesh | 34·41 | 1·86 | .. |
| Chandigarh | 0·52 | 2·95 | 0·76 |
| Delhi | .. | .. | 2·03 |
| Sub-Total | 29·52 | 1·70 | 2·55 |
| Gujarat | 15·35 | 2·20 | 0·48 |
| Madhya Pradesh | 8·08 | 3·00 | 0·46 |
| Maharashtra | 15·04 | 2·50 | 1·36 |
| Goa, Daman & Diu | 2·21 | 9·08 | 7·35 |
| D. & N. Haveli | 2·89 | 1·30 | .. |
| Sub-Total | 13·58 | 2·57 | 0·97 |
| Andhra Pradesh | 21·13 | 0·53 | 5·31 |
| Karnataka | 8·45 | 0·01 | .. |
| Kerala | 3·64 | 1·54 | .. |
| Tamil Nadu | 26·86 | 1·24 | 0·19 |
| Pondicherry | 24·80 | 4·38 | 0·20 |
| Lakshadweep | .. | .. | .. |
| Sub-Total | 18·03 | 0·76 | 1·70 |
| Bihar | 12·97 | 1·22 | 0·40 |
| Orissa | 2·30 | 1·44 | 2·43 |
| West Bengal | 1·57 | 2·76 | 0·92 |
| A. & N. Island | .. | 0·68 | 0·83 |
| Sikkim | .. | .. | 12·32 |
| Sub-Total | 5·61 | 1·94 | 1·09 |
| Assam | 1·07 | 0·79 | 10·11 |
| Manipur | 20·50 | .. | .. |
| Meghalaya | 0·32 | 1·10 | 17·00 |
| Nagaland | .. | 0·26 | 32·05 |
| Tripura | 15·79 | 13·28 | 1·55 |
| Arunachal Pradesh | .. | 0·79 | 29·82 |
| Mizoram | .. | 0·35 | 8·67 |
| Sub-Total | 1·91 | 1·33 | 11·43 |
| TOTAL (ALL INDIA) | 17·81 | 1·79 | 1·71 |

TABLE NO. 60.
Annual per Capita Consumption of Electricity (Utilities, Non-utilities)
Categorywise-regionwise/statewise during 1983-84.

(KWH)

| Region | State/UTs. | Population* (Million) | Utilities | |
|---------------------------|---------------------------|--------------------------|-----------|------------|
| | | | Domestic | Commercial |
| NORTHERN REGION | Haryana | 13·88 | 27·24 | 6·93 |
| | Himachal Pradesh | 4·50 | 20·55 | 10·11 |
| | Jammu & Kashmir | 6·34 | 27·01 | 5·82 |
| | Punjab | 17·72 | 40·43 | 9·86 |
| | Rajasthan | 36·79 | 9·27 | 5·35 |
| | Uttar Pradesh | 117·16 | 11·34 | 5·22 |
| | Chandigarh | 0·52 | 142·50 | 62·17 |
| | Delhi | 6·92 | 147·43 | 140·86 |
| Sub-Total | | 203·83 | 20·22 | 10·64 |
| WESTERN REGION | Gujarat | 35·99 | 25·96 | 11·15 |
| | Madhya Pradesh | 55·22 | 9·91 | 5·14 |
| | Maharashtra | 66·41 | 35·76 | 18·04 |
| | Goa, Daman & Diu | 1·15 | 52·49 | 17·04 |
| | D & N Haveli | 0·11 | 0·09 | 7·45 |
| Sub-Total | | 158·88 | 24·65 | 11·98 |
| SOUTHERN REGION | Andhra Pradesh | 56·30 | 16·03 | 4·99 |
| | Karnataka | 39·32 | 30·18 | 4·47 |
| | Kerala | 26·66 | 24·46 | 8·56 |
| | Tamil Nadu | 50·50 | 18·38 | 15·24 |
| | Pondicherry | 0·64 | 39·19 | 13·76 |
| | Lakshadweep | 0·04 | 35·75 | 16·25 |
| Sub-Total | | 173·46 | 21·31 | 8·44 |
| EASTERN REGION | Bihar | 73·89 | 2·40 | 1·41 |
| | Orissa | 27·61 | 5·78 | 3·22 |
| | West Bengal | 57·48 | 16·97 | 12·38 |
| | A & N Islands | 0·21 | 24·95 | 24·57 |
| | Sikkim | 0·35 | 26·00 | 7·14 |
| Sub-Total | | 159·54 | 8·32 | 5·72 |
| NORTH EASTERN REGION. | Assam | 21·19 | 4·50 | 3·82 |
| | Manipur | 1·52 | 8·49 | 0·34 |
| | Meghalaya | 1·44 | 13·25 | 11·64 |
| | Nagaland | 0·86 | 10·35 | 6·23 |
| | Tripura | 2·20 | 7·41 | 2·77 |
| | Arunachal Pradesh | 0·68 | 11·23 | 1·90 |
| | Mizoram | 0·55 | 20·56 | 0·98 |
| Sub-Total | | 28·44 | 6·03 | 3·92 |
| TOTAL (ALL INDIA) | | 724·15 ^a | 18·28 | 9·06 |

^a Figures & population as on 1st Oct., 1983 (mid-Financial year) are based on mid-year estimates (1981 Census).

Total may not tally due to rounding off.

TABLE NO. 60—(Contd.)

(In KWH)

| State/UTs. | Utilities Industrial public water works, Traction & Miscellaneous | Utilities | |
|------------------------------------|--|-----------------|--------------|
| | | Public Lighting | Agriculture |
| Haryana | 104.26 | 0.88 | 93.76 |
| Himachal Pradesh | 62.36 | 0.48 | 2.66 |
| Jammu & Kashmir | 72.02 | 3.00 | 5.05 |
| Punjab | 180.20 | 0.98 | 123.55 |
| Rajasthan | 64.73 | 0.66 | 35.54 |
| Uttar Pradesh | 40.40 | 0.29 | 30.03 |
| Chandigarh | 182.21 | 12.15 | 2.10 |
| Delhi | 132.67 | 6.74 | .. |
| Sub-Total | 66.26 | 0.80 | 41.02 |
| Gujarat | 179.18 | 2.52 | 39.67 |
| Madhya Pradesh | 98.74 | 1.07 | 10.09 |
| Maharashtra | 159.75 | 2.79 | 38.26 |
| Goa, Daman & Diu | 149.82 | 3.32 | 5.04 |
| D & N Haveli | 76.54 | 1.45 | 2.83 |
| Sub-Total | 142.82 | 2.13 | 28.53 |
| Andhra Pradesh | 85.44 | 1.41 | 28.89 |
| Karnataka | 109.98 | 2.43 | 13.58 |
| Kerala | 57.18 | 2.70 | 3.51 |
| Tamil Nadu | 83.65 | 1.97 | 43.79 |
| Pondicherry | 100.49 | 3.85 | 51.87 |
| Lakshadweep | 4.25 | 4.00 | .. |
| Sub-Total | 86.18 | 2.01 | 25.93 |
| Bihar | 54.74 | 0.11 | 8.75 |
| Orissa | 105.16 | 0.40 | 12.70 |
| West Bengal | 79.25 | 0.92 | 1.75 |
| A & N Islands | 11.48 | 2.19 | .. |
| Sikkim | 17.66 | 1.71 | .. |
| Sub-Total | 72.15 | 0.46 | 5.15 |
| Assam | 28.94 | 0.21 | 0.40 |
| Manipur | 0.96 | 0.29 | 0.26 |
| Meghalaya | 39.12 | 0.20 | 0.02 |
| Nagaland | 36.56 | 0.52 | .. |
| Triguna | 7.07 | 0.57 | 3.34 |
| Arunachal Pradesh | 10.93 | 3.75 | .. |
| Mizoram | 2.37 | 2.31 | .. |
| Sub-Total | 25.55 | 0.38 | 0.70 |
| TOTAL (ALL INDIA) | 87.52 | 1.29 | 25.18 |

TABLE NO. 60—(Concl'd.)

(In KWH)

| State/UTs. | Total Utilities | KWH from self-generation of non-utilities | Total (Utilities *non-utilities) |
|------------------------------------|-----------------|---|----------------------------------|
| Haryana | 233.07 | 10.78 | 243.85 |
| Himachal Pradesh | 96.16 | 0.02 | 96.18 |
| Jammu & Kashmir | 112.90 | 0.03 | 112.93 |
| Punjab | 355.02 | 2.63 | 357.65 |
| Rajasthan | 115.55 | 13.80 | 129.35 |
| Uttar Pradesh | 87.28 | 19.12 | 106.40 |
| Chandigarh | 401.13 | 1.12 | 402.25 |
| Delhi | 427.70 | 24.79 | 452.49 |
| Sub-Total | 138.94 | 15.29 | 154.23 |
| Gujarat | 258.48 | 17.11 | 275.59 |
| Madhya Pradesh | 124.95 | 13.95 | 138.90 |
| Maharashtra | 254.60 | 9.89 | 264.49 |
| Goa, Daman & Diu | 227.71 | 35.37 | 263.08 |
| D & N Ha veli | 97.36 | .. | 97.36 |
| Sub-Total | 210.11 | 13.11 | 223.22 |
| Andhra Pradesh | 136.76 | 6.83 | 143.59 |
| Karnataka | 160.64 | 8.86 | 169.50 |
| Kerala | 96.41 | 5.37 | 101.78 |
| Tamil Nadu | 163.03 | 14.57 | 177.60 |
| Pondicherry | 209.16 | 7.75 | 216.91 |
| Lakshadweep | 60.25 | .. | 60.25 |
| Sub-Total | 143.87 | 9.32 | 153.19 |
| Bihar | 67.41 | 20.42 | 87.83 |
| Orissa | 117.26 | 13.47 | 130.73 |
| West Bengal | 111.27 | 10.77 | 128.04 |
| A & N Islands | 63.19 | 0.66 | 63.85 |
| Sikkim | 53.11 | .. | 53.11 |
| Sub-Total | 91.80 | 15.67 | 107.47 |
| Assam | 37.87 | 6.59 | 44.44 |
| Manipur | 12.68 | .. | 12.68 |
| Meghalaya | 64.23 | .. | 64.23 |
| Nagaland | 53.66 | 4.26 | 57.92 |
| Tripura | 21.16 | .. | 21.16 |
| Arunachal Pradesh | 27.81 | .. | 27.81 |
| Mizoram | 26.22 | .. | 26.22 |
| Sub-Total | 36.58 | 5.04 | 41.62 |
| TOTAL (ALL INDIA) | 141.33 | 13.06 | 154.39 |

TABLE NO. 61

Energy Consumption per Square Kilometer and per Thousand Population (Utilities only) Regionwise/Statewise during 1983-84.

| Region | State/UTs. | Population (Million) | Area in 1000 sq. Kilometer \$ | Total Energy consumption (GWH) |
|------------------------------------|-----------------------------|----------------------|-------------------------------|--------------------------------|
| NORTHERN REGION | Haryana | 13.88 | 44.22 | 3,235.10 |
| | Himachal Pradesh | 4.50 | 55.67 | 432.73 |
| | Jammu & Kashmir | 6.34 | 222.24 | 715.84 |
| | Punjab | 17.72 | 50.36 | 6,291.02 |
| | Rajasthan | 36.79 | 342.21 | 4,251.14 |
| | Uttar Pradesh | 117.16 | 294.41 | 10,225.86 |
| | Chandigarh | 0.52 | 0.11 | 208.59 |
| | Delhi | 6.92 | 1.48 | 2,959.69 |
| Sub-Total | | 203.83 | 1,010.70 | 28,319.97 |
| WESTERN REGION | Gujarat | 35.99 | 195.98 | 9,302.73 |
| | Madhya Pradesh | 55.22 | 442.84 | 6,899.54 |
| | Maharashtra | 66.41 | 307.76 | 16,907.70 |
| | Goa, Daman & Diu | 1.15 | 3.81 | 261.87 |
| | D & N Haveli | 0.11 | 0.49 | 10.71 |
| Sub-Total | | 158.88 | 950.88 | 33,382.55 |
| SOUTHERN REGION | Andhra Pradesh | 56.30 | 276.81 | 7,699.56 |
| | Karnataka | 39.32 | 191.77 | 6,316.28 |
| | Kerala | 26.66 | 38.86 | 2570.37 |
| | Tamil Nadu | 50.50 | 130.07 | 8233.09 |
| | Pondicherry | 0.64 | 0.48 | 133.86 |
| | Lakshadweep | 0.04 | 0.03 | 2.41 |
| Sub-Total | | 173.46 | 638.02 | 24,955.57 |
| EASTERN REGION | Bihar | 73.89 | 173.88 | 4,980.83 |
| | Orissa | 27.61 | 155.78 | 3,237.44 |
| | West Bengal | 57.48 | 87.86 | 6,396.04 |
| | A & N Islands | 0.21 | 8.29 | 13.27 |
| | Sikkim | 0.35 | 7.30 | 18.59 |
| Sub-Total | | 159.54 | 433.11 | 14,646.17 |
| NORTH EASTERN REGION | Assam | 21.19 | 78.52 | 802.43 |
| | Manipur | 1.52 | 22.36 | 19.27 |
| | Meghalaya | 1.44 | 22.49 | 92.49 |
| | Nagaland | 0.86 | 16.53 | 46.15 |
| | Tripura | 2.20 | 10.48 | 46.56 |
| | Arunachal Pradesh | 0.68 | 83.58 | 18.91 |
| | Mizoram | 0.55 | 21.09 | 14.42 |
| Sub-Total | | 28.44 | 255.05 | 1,040.23 |
| TOTAL (ALL INDIA) | | 724.15 | 3,287.78@ | 1,02,344.49 |

Note :- Source for area figures is statistical abstract India published by Central Statistical Organisation.

* Includes consumption by ultimate consumers of D.V.C. in valley area of Bihar and West Bengal respectively.

@ Total may normally due to rounding off.

Source :—Office of the Registrar General of India.

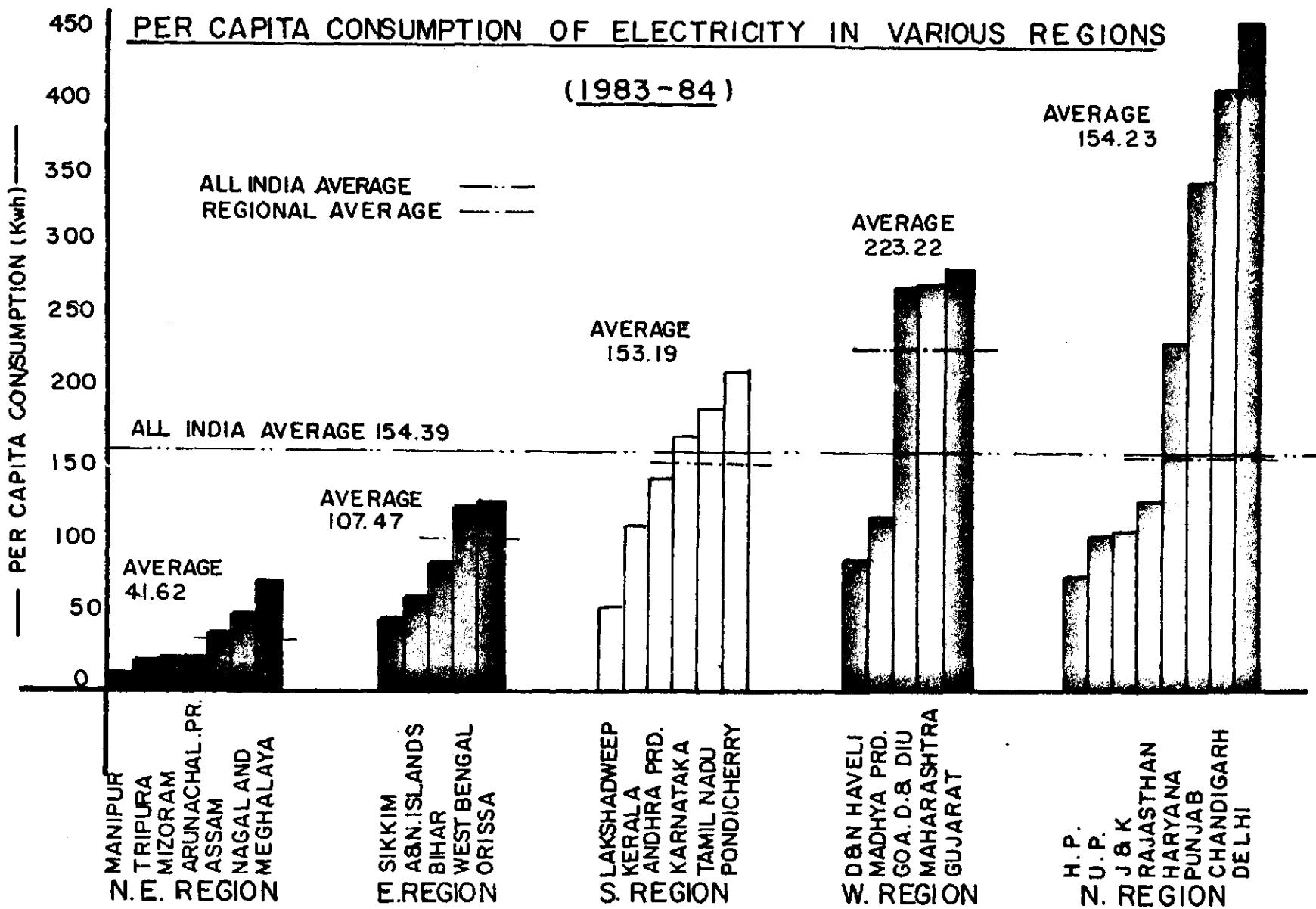
TABLE NO. 61—(Contd.)

| State/UTs. | Energy consumed per thousand of population (Kwh) | Energy consumed per square kilometer (Kwh) |
|------------------------------------|---|---|
| Haryana | 23,3,076 | 73,159 |
| Himachal Pradesh | 96,162 | 7,773 |
| Jammu & Kashmir | 1,12,908 | 3,221 |
| Punjab | 3,55,024 | 1,24,921 |
| Rajasthan | 1,15,551 | 12,423 |
| Uttar Pradesh | 87,281 | 34,733 |
| Chandigarh | 4,01,135 | 18,96,273 |
| Delhi | 4,27,701 | 19,99,791 |
| Sub-Total | 1,38,939 | 28,020 |
| Gujarat | 2,58,481 | 47,468 |
| Madhya Pradesh | 12,495 | 15,580 |
| Maharashtra | 2,54,596 | 54,938 |
| Goa, Daman & Diu | 2,27,713 | 68,732 |
| D & N Haveli | 97,364 | 21,857 |
| Sub-Total | 2,10,112 | 35,107 |
| Andhra Pradesh | 1,36,759 | 27,815 |
| Karnataka | 1,60,637 | 32,937 |
| Kerala | 9,64,129 | 66,144 |
| Tamil Nadu | 1,63,031 | 63,297 |
| Pondicherry | 2,09,156 | 2,78,875 |
| Lakshadweep | 60,250 | 80,333 |
| Sub-Total | 1,43,869 | 39,114 |
| Bihar | 64,409 | 28,645 |
| Orissa | 11,72,560 | 20,782 |
| West Bengal | 1,11,274 | 72,798 |
| A & N Islands | 63,190 | 1,601 |
| Sikkim | 53,114 | 2,546 |
| Sub-Total | 91,802 | 33,816 |
| Assam | 37,868 | 10,219 |
| Manipur | 12,677 | 832 |
| Meghalaya | 64,229 | 4,112 |
| Nagaland | 53,663 | 2,792 |
| Tripura | 21,163 | 4,443 |
| Arunachal Pradesh | 27,808 | 226 |
| Mizoram | 26,218 | 684 |
| Sub-Total | 36,576 | 4,078 |
| TOTAL (ALL INDIA) | 1,41,331 | 31,129 |

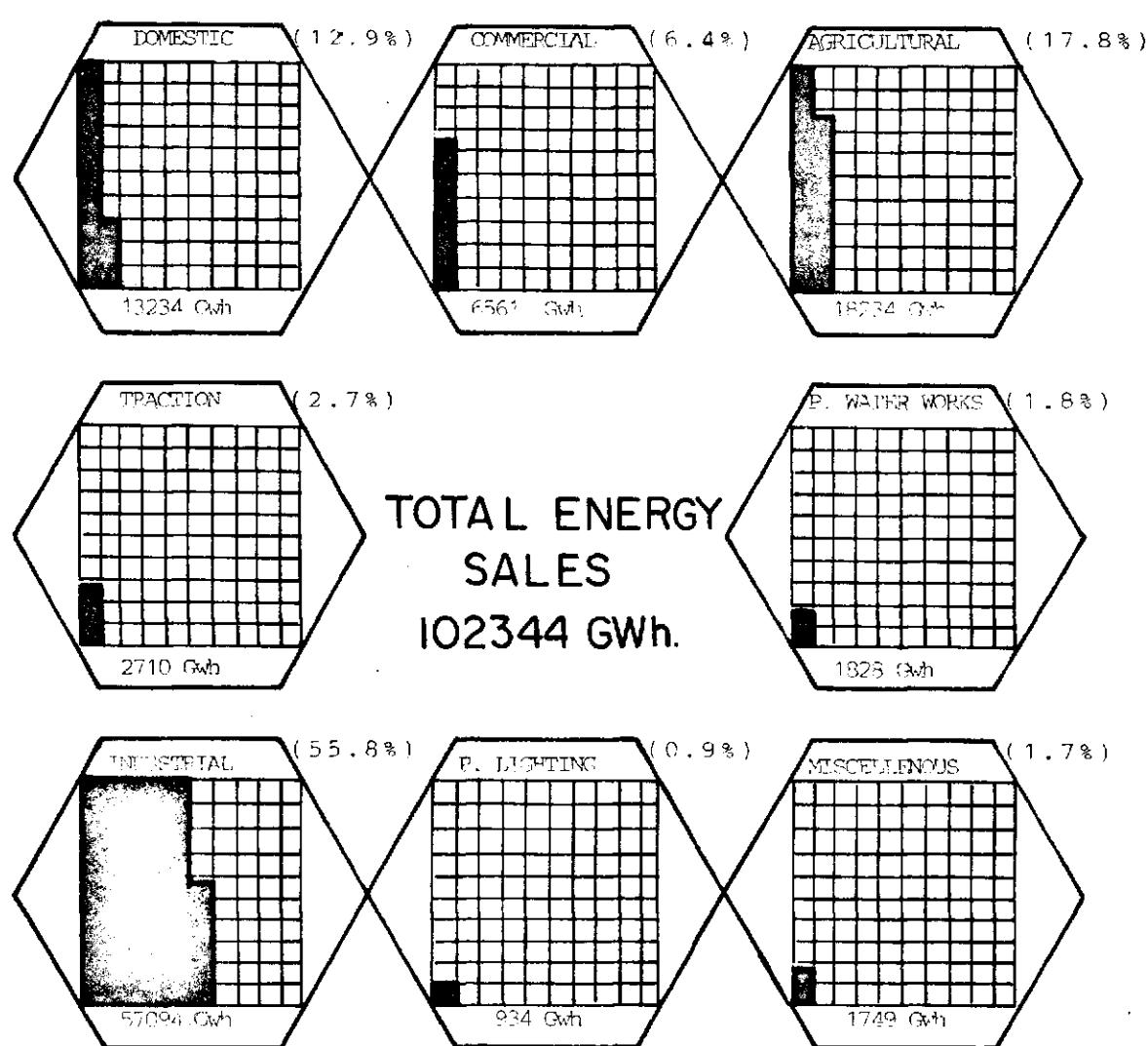
TABLE NO. 62—(Contd.)

| States U.Ts./Central Undertaking | Distribution Lines | | | |
|--|--------------------------------|-----------------|------------------------|----------------|
| | Electricity Supply Undertaking | | Industrial Undertaking | |
| | Fatal | Non-Fatal | Fatal | Non-Fatal |
| Andhra Pradesh | 304+81* | 116 | 6 | .. |
| Assam | 38+32* ** | 31 | 1 | 1 |
| Bihar | 11 | 2 | 9 | 7 |
| Gujarat | 305 | 162 | 24 | 13 |
| Haryana | 59+363* | 100 | 5 | .. |
| Himachal Pradesh | 23+6* | 40 | .. | .. |
| Jammu & Kashmir | Data not available | | | |
| Karnataka | Details not available | | | |
| Kerala | 37+28* | 57 | 5 | 5 |
| Madhya Pradesh | 198+157* | 138 | 10 | 44 |
| Maharashtra | 298+113* | 209+2* | 57+4* | 45 |
| Manipur | 2+7* | 1 | .. | .. |
| Meghalaya | 1+1* | 4 | .. | .. |
| Nagaland | 1 | 2 | .. | .. |
| Orissa | .. | .. | 6 | 12 |
| Punjab | 47+139* | 48 | 8+1* | 2 |
| Rajasthan | 46+17* | 104 | 3 | 5 |
| Sikkim | .. | 1 | .. | .. |
| Tamil Nadu | 198+28* | 59 | 11 | 3 |
| Tripura | Data not available | | | |
| Uttar Pradesh | 10 | 35+2* | 126 | 274+89* |
| West Bengal | 43+18* | 59 | 12 | 18 |
| Mines | .. | .. | 5 | 8 |
| Central Government Installations | .. | .. | 1 | 1 |
| Railways | 11 | 20 | 28 | 62 |
| UNION TERRITORIES | | | | |
| A. & N. Islands | 3* | 1 | .. | .. |
| Arunachal Pradesh | .. | .. | .. | .. |
| Chandigarh | 1 | 2+1* | .. | .. |
| D. & N. Haveli | 1* | .. | .. | .. |
| Delhi | 14+9* | 30 | 21 | 1 |
| Goa, Daman & Diu | Data not available | | | |
| Lakshadweep | 1 | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Pondicherry | 5+5* | 1 | .. | .. |
| TOTAL (ALL INDIA) | 1,756+1,196* | 1,562+5* | 338+5* | 501+89* |

*Accidents involving animals



ENERGY SALES DURING 1983-84 (UTILITIES)



Drawn by D. Chauhan

SECTION IX

Consumers & Connected Load

CONSUMERS AND CONNECTED LOAD

During the year under review 3.46 million additional electricity connections were given to different categories of consumers bringing the total number of consumers to 41.38 million as on 31st March, 1984 recording an increase of 9.15% over the previous year. The corresponding connected load of all types of consumers rose to 75,634.80 MW as compared to 69,709.40 MW as on 31-3-83 registering an increase of 8.50% over the previous year.

Domestic category continued to have the maximum number of consumers benefiting from electricity followed by commercial and agricultural categories. However, the industrial consumers had the maximum connected load of 29,395 MW followed by agricultural and domestic sectors having connected load of 20007 MW and 17,326 MW respectively. Tables in this section show the details of consumers and connected load of different categories in various States/Union Territories.

TABLE NO. 63

Classification of Consumers and connected load utilities only-Regionwise/Statewise as on 31-3-1984

| Region | State/Uts. | Total | | Domestic | |
|-----------------------------|------------------------------|---------------------|-------------|---------------------|-------------|
| | | Connected load (KW) | Consumers | Connected load (KW) | Consumers |
| NORTHERN REGION | Haryana | 28,99,447 | 15,26,667 | 4,28,317 | 10,38,777 |
| | Himachal Pradesh | 3,35,807 | 5,93,471 | 2,80,722 | 5,22,923 |
| | Jammu & Kashmir(R) | 2,31 790 | 3,51,197 | 72,329 | 2,92,733 |
| | Punjab | 44,70,710 | 27,28,136 | 10,92,366 | 19,58,845 |
| | Rajasthan | 36,25,939 | 17,39,891 | 6,25,295 | 11,15,113 |
| | Uttar Pradesh | 62,30,168 | 24,52,451 | 11,13,388 | 17,23,094 |
| | Chandigarh | 2,95,194 | 96,780 | 1,53,502 | 82,952 |
| | Delhi | 16,08,152 | 12,82,039 | 6,57,630 | 10,27,317 |
| Sub-Total | | 1,99,17,207 | 1,07,71,032 | 44,23,549 | 77,61,756 |
| WESTERN REGION | Gujarat | 68,20,990 | 39,61,772 | 16,55,694 | 30,40,027 |
| | Madhya Pradesh | 45,30,876 | 24,41,487 | 7,62,794 | 15,04,130 |
| | Maharashtra | 1,28,44,595 | 63,34,638 | 30,37,695 | 44,36,654 |
| | D. & N. Haveli(R) | 3,465 | 3,853 | 1,205 | 3,410 |
| | Goa, Daman & Diu | 2,59,739 | 1,68,848 | 96,608 | 140,257 |
| Sub-Total | | 2,44,59,665 | 1,29,10,598 | 55,53,996 | 91,24,478 |
| SOUTHERN REGION | Andhra Pradesh | 58,74,711 | 32,31,223 | 9,82,414 | 21,67,932 |
| | Karnataka | 47,39,026 | 31,28,284 | 14,00,876 | 22,24,392 |
| | Kerala | 27,47,558 | 20,80,803 | 11,36,967 | 15,62,861 |
| | Tamil Nadu | 88,79,353 | 55,37,667 | 17,58,920 | 30,18,856 |
| | Lakshadweep | 5,110 | 7,694 | 3,771 | 6,767 |
| | Pondicherry | 1,76,093 | 76,873 | 39,102 | 66,362 |
| Sub-Total | | 2,24,21,851 | 1,40,62,544 | 53,22,050 | 90,47,110 |
| EASTERN REGION | Bihar | 20,73,407 | 10,15,710 | 3,04,498 | 5,36,247 |
| | Orissa | 16,14,224 | 6,68,842 | 3,74,167 | 4,98,933 |
| | West Bengal(RR) | 35,58,021 | 14,51,944 | 9,64,770 | 9,98,957 |
| | D.V.C.(R) | 5,20,030 | 40 | .. | .. |
| | A. & N. Islands | 11,244 | 19,994 | 7,282 | 14,564 |
| | Sikkim(R) | 8,917 | 8,590 | 7,800 | 6,500 |
| Sub-Total | | 77,85,843 | 31,65,120 | 16,58,517 | 20,55,201 |
| NORTH EASTERN REGION | Assam | 8,40,794 | 2,67,982 | 2,71,041 | 1,89,561 |
| | Manipur | 15,184 | 34,083 | 6,702 | 33,285 |
| | Meghalaya | 56,268 | 40,156 | 23,000 | 33,467 |
| | Nagaland | 51,827 | 47,417 | 27,165 | 38,107 |
| | Tripura | 70,237 | 47,772 | 27,702 | 34,628 |
| | Arunachal Pradesh | 5,470 | 23,915 | 3,600 | 21,289 |
| | Mizoram | 10,456 | 14,438 | 8,685 | 13,762 |
| Sub-Total | | 10,50,236 | 4,75,763 | 3,67,895 | 3,64,099 |
| TOTAL (ALL INDIA) | | 7,56,34,802 | 4,13,85,057 | 1,73,26,007 | 2,83,52,644 |

(R) Data repeated due to non-availability of information.

(RR) No. of consumers and their connected load of West Bengal State Electricity Board are repeated due to ECL-availability of information.

TABLE NO. 63—(Contd.)

| State/Uts. | Commercial | | Industrial(LV & MV) | |
|-----------------------------------|---------------------|------------------|---------------------|------------------|
| | Connected load (KW) | Consumers | Connected load (KW) | Consumers |
| Haryana | 1,00,552 | 1,69,019 | 10,96,738 | 51,172 |
| Himachal Pradesh | 74,759 | 59,228 | 1,48,227 | 9,098 |
| Jammu & Kashmir(R) | 21,867 | 46,525 | 85,163 | 8,080 |
| Punjab | 2,75,095 | 3,10,678 | 7,81,131 | 73,559 |
| Rajasthan | 2,27,385 | 2,91,827 | 6,82,355 | 64,335 |
| Uttar Pradesh | 3,29,321 | 1,94,480 | 15,64,362 | 1,23,866 |
| Chandigarh | 67,300 | 10,997 | 27,811 | 1,965 |
| Delhi | 4,28,522 | 2,00,752 | 3,40,000 | 52,197 |
| Sub-Total | 15,24,801 | 12,83,506 | 47,25,787 | 3,84,272 |
| Gujarat | 3,95,096 | 4,77,731 | 14,00,305 | 1,48,042 |
| Madhya Pradesh | 3,50,424 | 3,88,560 | 6,46,899 | 66,076 |
| Maharashtra | 9,43,756 | 8,09,350 | 18,46,880 | 1,85,239 |
| D. & N. Haveli(R) | 40 | 78 | 980 | 76 |
| Goa, Daman & Diu | 13,884 | 20,940 | 1,26,051 | 4,194 |
| Sub-Total | 17,03,200 | 16,96,659 | 40,21,115 | 4,03,627 |
| Andhra Pradesh | 2,48,157 | 3,47,116 | 7,45,798 | 68,382 |
| Karnataka | 1,05,378 | 3,49,669 | 7,26,887 | 1,37,101 |
| Kerala | 2,80,032 | 3,59,099 | 4,67,435 | 40,583 |
| Tamil Nadu | 6,70,771 | 7,19,699 | 13,35,897 | 1,95,296 |
| Lakshadweep | 764 | 845 | 460 | 58 |
| Pondicherry | (A) | (A) | 44,367 | 2,158 |
| Sub-Total | 13,05,102 | 17,76,428 | 33,20,844 | 4,43,578 |
| Bihar | 1,66,474 | 2,11,180 | 5,31,105 | 68,849 |
| Orissa | 1,05,403 | 1,25,874 | 2,63,338 | 17,597 |
| West Bengal | 5,64,096 | 3,42,304 | 5,04,683 | 80,882 |
| D.V.C. | 30 | 3 | .. | .. |
| A. & N. Islands | 3,079 | 5,131 | 695 | 139 |
| Sikkim(R) | (A) | 2,000 | 1,050 | 50 |
| Sub-Total | 8,39,082 | 6,86,492 | 13,00,871 | 1,67,517 |
| Assam | 1,02,139 | 64,425 | 2,74,864(D) | 6,394(D) |
| Manipur | 200 | 14 | 4,000 | 721 |
| Meghalaya | 7,018 | 6,078 | 16,000 | 355 |
| Nagaland | 6,353 | 7,737 | 4,541 | 730 |
| Tripura | 10,650 | 10,650 | 16,650 | 1,665 |
| Arunachal Pradesh | 341 | 1,295 | 660 | 53 |
| Mizoram | 281 | 632 | 420 | 4 |
| Sub-Total | 1,26,982 | 90,831 | 3,17,135 | 9,922 |
| TOTAL(ALL INDIA) | 54,99,167 | 55,33,916 | 1,36,85,752 | 14,08,916 |

(A) Includes Tea Gardens.

(D) Included in domestic category.

(LV & MV) Means Low Voltage and Medium Voltage.

TABLE NO. 63—(Contd.)

| State/U.Ts. | Industrial H.V. | | Public lighting | |
|----------------------------------|---------------------|---------------|---------------------|-----------------|
| | Connected load (KW) | Consumers | Connected load (KW) | Consumers |
| Haryana | (C) | (C) | (B) | (B) |
| Himachal Pradesh | (C) | (C) | 1,015 | 223 |
| Jammu & Kashmir(R) | (C) | (C) | 386 | 47 |
| Punjab | 9,26,338 | 1,294 | 5,718 | 682 |
| Rajasthan | 7,28,162 | 478 | 10,672 | 4,359 |
| Uttar Pradesh | 8,66,427 | 535 | 14,878 | 5,156 |
| Chandigarh | 30,188 | 108 | 1,978 | 203 |
| Delhi | 1,22,000 | 251 | 60,000(G) | 1,522(G) |
| Sub-Total | 26,73,115 | 2,666 | 94,647 | 12,192 |
| Gujarat | 11,75,156 | 1,831 | 41,871 | 12,885 |
| Madhya Pradesh | 13,68,024 | 858 | 35,860 | 13,916 |
| Maharashtra | 36,55,055 | 4,501 | 55,633 | 26,235 |
| D. & N. Haveli | 600 | 10 | 250 | 58 |
| Goa, Daman & Diu(R) | (C) | (C) | 2,200(E) | 600(E) |
| Sub-Total | 61,98,835 | 7,200 | 1,35,814 | 53,694 |
| Andhra Pradesh | 12,35,001 | 1,766 | 42,967 | 29,117 |
| Karnataka | 10,58,027 | 1,481 | 28,321 | 9,505(E) |
| Kerala | 4,86,621 | 473 | 22,598 | 1,399 |
| Tamil Nadu | 13,96,049 | 1,586 | 52,891 | 55,522 |
| Lakshadweep | .. | .. | 115 | 24 |
| Pondicherry | 47,040 | 49 | 1,675 | 29 |
| Sub-Total | 42,22,738 | 5,355 | 1,48,567 | 95,596 |
| Bihar | 4,68,260 | 1,189 | 10,013 | 6,342 |
| Orissa | 5,80,137 | 323 | 14,462 | 3,630 |
| West Bengal | 10,65,312 | 1,965 | 14,868 | 442 |
| D.V.C. . . . | 4,25,000 | 26 | .. | .. |
| A. & N. Islands | .. | .. | 130 | 70 |
| Sikkim | .. | .. | 67 | 40(E) |
| Sub-Total | 25,38,709 | 3,503 | 39,540 | 10,524 |
| Assam | 71,029 | 300 | 3,877 | 4,196 |
| Manipur | .. | (C) | 132 | 30 |
| Meghalaya | .. | (C) | 261 | 125 |
| Nagaland | 5,000 | 1 | 593 | 778 |
| Tripura | (C) | (C) | 675 | 135 |
| Arunachal Pradesh | .. | .. | 327 | 40 |
| Mizoram | 300 | 8 | 350 | 15 |
| Sub-Total | 76,329 | 309 | 6,215 | 5,319 |
| TOTAL (ALL INDIA) | 1,57,09,726 | 19,033 | 4,24,783 | 1,77,325 |

(C) Included in Industrial Low and Medium voltage.

(B) Included in Miscellaneous category.

(G) Includes Public Water Works.

(E) Estimated.

TABLE NO. 63—(Contd.)

| State/U.Ts. | Traction | | Agricultural | |
|------------------------------------|---------------------|------------|---------------------|------------------|
| | Connected load (KW) | Consumers | Connected load (KW) | Consumers |
| Haryana | .. | .. | 11,98,024 | 2,60,188 |
| Himachal Pradesh | .. | .. | 25,674 | 2,354 |
| Jammu & Kashmir(R) | .. | .. | 18,864 | 1,067 |
| Punjab | .. | .. | 13,38,126 | 3,82,893 |
| Rajasthan | .. | .. | 12,09,151 | 2,53,811 |
| Uttar Pradesh | 1,06,674 | 4 | 21,64,666 | 4,03,465 |
| Chandigarh | .. | .. | 1,804 | 362 |
| Delhi | .. | .. | (C) | (C) |
| Sub-Total | 1,06,674 | 4 | 59,56,309 | 13,04,140 |
| Gujarat | 50,000 | 5 | 19,77,958 | 2,73,795 |
| Madhya Pradesh | 1,00,025 | 12 | 11,98,522 | 4,63,534 |
| Maharashtra | 61,606 | 16 | 28,61,146 | 8,58,654 |
| D. & N. Haveli | .. | .. | 350 | (H) |
| Goa, Daman & Diu | .. | .. | 20,230 | 2,791 |
| Sub-Total | 2,11,631 | 33 | 60,58,206 | 15,98,774 |
| Andhra Pradesh | 2,11,029 | 12 | 21,46,697 | 5,79,398 |
| Karnataka | .. | .. | 13,45,220 | 4,02,413 |
| Kerala | .. | .. | 3,37,511 | 1,15,730 |
| Tamil Nadu | 62,107 | 19 | 32,66,719 | 9,69,825 |
| Lakshadweep | .. | .. | .. | .. |
| Pondicherry | .. | .. | 40,219 | 8,313 |
| Sub-Total | 2,73,136 | 31 | 71,36,366 | 20,75,679 |
| Bihar | 67,000 | 8 | 4,98,057 | 1,91,091 |
| Orissa | 80,998 | 10 | 1,37,314 | 21,346 |
| West Bengal | 1,18,000 | 14 | 1,49,283 | 26,234 |
| D.V.C.(R) | 90,000 | 7 | .. | .. |
| A. & N. Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 3,55,998 | 39 | 7,84,654 | 2,38,671 |
| Assam | .. | .. | 61,493 | 2,385 |
| Manipur | .. | .. | 4,000 | 1 |
| Meghalaya | .. | .. | 436 | 53 |
| Nagaland | .. | .. | .. | .. |
| Tripura | .. | .. | 5,900 | 590 |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | .. | .. | 71,829 | 3,029 |
| TOTAL (ALL INDIA) | 9,47,439 | 107 | 2,00,07,364 | 52,20,293 |

(H) Included in Public Motor Works.

TABLE NO. 63—(Contd.)

| State/U.Ts. | Public Waterworks | | Miscellaneous | |
|------------------------------------|---------------------|---------------|---------------------|-----------------|
| | Connected load (KW) | Consumers | Connected load (KW) | Consumers |
| Haryana | 22,278 | 1,262 | 53,538 | 6,249 |
| Himachal Pradesh | (C) | (C) | 25,410 | 43 |
| Jammu & Kashmir (R) | 11,089 | 379 | 22,092 | 2,366 |
| Punjab | (F) | (F) | 51,936 | 185 |
| Rajasthan | 84,861 | 6,737 | 58,058 | 3,231 |
| Uttar Pradesh | 70,452 | 1,851 | .. | .. |
| Chandigarh | 4,928 | 184 | 7,683 | 9 |
| Delhi | .. | .. | .. | .. |
| Sub-Total | 1,93,608 | 10,413 | 2,18,717 | 12,083 |
| Gujarat | 1,08,509 | 7,378 | 16,401 | 78 |
| Madhya Pradesh | 68,301 | 4,355 | 27 | 46 |
| Maharashtra | 1,51,374 | 9,185 | 2,31,450 | 4,804 |
| D. & N. Haveli | 40 | 221 | .. | .. |
| Goa, Daman & Diu | 372 | 47 | 394 | 19 |
| Sub-Total | 3,28,596 | 21,186 | 2,48,272 | 4,947 |
| Andhra Pradesh | 29,965 | 1,907 | 2,32,683 | 35,593 |
| Karnataka | 74,317 | 3,723 | .. | .. |
| Kerala | 16,394 | 658 | .. | .. |
| Tamil Nadu | 1,19,856 | 17,847 | 2,16,143 | 5,59,017 |
| Lakshadweep | .. | .. | .. | .. |
| Pondicherry | 3,690 | 22 | .. | .. |
| Sub-Total | 2,44,222 | 24,157 | 4,48,826 | 5,94,610 |
| Bihar | 28,000 | 804 | .. | .. |
| Orissa | 27,459 | 865 | 30,946 | 264 |
| West Bengal | 1,25,704 | 559 | 51,305 | 587 |
| D.V.C. (R) | .. | .. | 5,000 | 4 |
| A & N Islands | 15 | 3 | 43 | 87 |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 1,81,178 | 2,231 | 87,294 | 942 |
| Assam | 8,567 | 357 | 47,784 | 364 |
| Manipur | 150 | 32 | .. | .. |
| Meghalaya | 581 | 44 | 8,972 | 34 |
| Nagaland | 194 | 11 | 7,891 | 53 |
| Tripura | 860 | 86 | 7,800(E) | 18 |
| Arunachal Pradesh | 42 | 1 | 500 | 1,237 |
| Mizoram | 180 | 5 | 240 | 12 |
| Sub-Total | 10,574 | 536 | 73,277 | 1,718 |
| TOTAL (ALL INDIA) | 9,58,178 | 58,523 | 10,76,386 | 6,14,300 |

Note:—In certain cases figures for the year 1983-84 may not be consistent with the previous years figures because of improper reporting or revision of last year data by Electricity Board/Licensees.

(F) Consumers & connected load of Punjab S.E.B. are included in agricultural category.

TABLE NO. 64

Average Electricity consumption per consumer Regionwise/Statewise—Categorywise during 1983-84.

(in thousand KWH)

| Region | State/U.Ts. | Total average All categories | Domestic | Commercial |
|-------------------------|--------------------------|---------------------------------|----------|------------|
| NORTHERN REGION | Haryana | 2.12 | 0.36 | 0.57 |
| | Himachal Pradesh . . . | 0.73 | 0.18 | 0.77 |
| | Jammu & Kashmir . . . | 2.04 | 0.59 | 0.79 |
| | Punjab | 2.31 | 0.37 | 0.24 |
| | Rajasthan | 2.44 | 0.31 | 0.68 |
| | Uttar Pradesh | 4.17 | 0.77 | 3.14 |
| | Chandigarh | 2.16 | 0.89 | 2.94 |
| | Delhi | 2.31 | 0.99 | 4.86 |
| Northern Region | | 2.63 | 0.53 | 1.69 |
| WESTERN REGION | Gujarat | 2.35 | 0.31 | 0.84 |
| | Madhya Pradesh . . . | 2.83 | 0.36 | 0.73 |
| | Maharashtra . . . | 2.67 | 0.54 | 1.48 |
| | Goa, Daman & Diu . . | 1.55 | 0.43 | 0.94 |
| | Dadra & N. Haveli . . | 2.76 | 0.29 | 0.01 |
| | Western Region . . . | 2.59 | 0.43 | 1.12 |
| SOUTHERN REGION | Andhra Pradesh | 2.38 | 0.42 | 0.81 |
| | Karnataka | 2.01 | 0.53 | 0.50 |
| | Kerala | 1.23 | 0.42 | 0.64 |
| | Tamil Nadu | 1.49 | 0.31 | 1.07 |
| | Pondicherry | 1.74 | 0.38 | (A) |
| | Lakshadweep | 0.31 | 0.21 | 0.29 |
| | Southern Region . . . | 1.77 | 0.41 | 0.82 |
| EASTERN REGION | Bihar(I) | 4.90 | 0.33 | 0.49 |
| | Orissa | 4.84 | 0.32 | 0.70 |
| | West Bengal (I) . . . | 4.41 | 0.98 | 2.08 |
| | A. & N. Islands . . . | 0.66 | 0.36 | 1.72 |
| | Sikkim | 2.16 | 1.43 | 1.25 |
| | Eastern Region . . . | 4.63 | 0.65 | 1.33 |
| NORTH EASTERN REGION | Assam | 2.99 | 0.51 | 1.26 |
| | Manipur | 0.57 | 0.39 | 0.37 |
| | Meghalaya | 2.30 | 0.57 | 0.69 |
| | Nagaland | 0.97 | 0.23 | 0.57 |
| | Tripura | 0.97 | 0.47 | 1.00 |
| | Arunachal Pradesh . . . | 0.79 | 0.36 | 0.99 |
| | Mizoram | 1.00 | 0.82 | 0.85 |
| | North Eastern Region . . | 2.19 | 0.47 | 1.23 |
| TOTAL (ALL INDIA) . . | | 2.47 | 0.47 | 1.19 |

TABLE NO. 64—(Contd.)

(in thousand KWH)

| State/U.Ts. | Industrial L.V. & M.V. | Industrial H.V. | Public Lighting |
|---------------------------------------|---------------------------|--------------------|-----------------|
| Haryana | 8.00 | 18.24 | 1.98 |
| Himachal Pradesh | 22.76 | (B) | 9.73 |
| Jammu & Kashmir | 21.10 | (B) | 404.68 |
| Punjab | 9.79 | 1,761.01 | 25.48 |
| Rajasthan | 5.81 | 3,600.44 | 5.56 |
| Uttar Pradesh | 11.97 | 4,834.86 | 6.63 |
| Chandigarh | 20.09 | 440.19 | 31.13 |
| Delhi | 7.62 | 1,832.67 | 30.66 |
| Northern Region | 9.89 | 3,011.04 | 13.31 |
| Gujarat | 7.16 | 2,736.50 | 7.05 |
| Madhya Pradesh | 6.36 | 5,413.44 | 4.23 |
| Maharashtra | 7.83 | 1,740.40 | 7.06 |
| Goa, Daman & Diu | 30.82 | .. | 6.37 |
| D. & N. Haveli | 23.42 | 650.00 | 2.76 |
| Western Region | 7.59 | 2,429.91 | 6.31 |
| Andhra Pradesh | 8.22 | 2,055.31 | 2.72 |
| Karnataka | 4.61 | 2,493.06 | 10.06 |
| Kerala | 5.70 | 2,650.08 | 51.39 |
| Tamil Nadu | 4.11 | 2,016.93 | 1.80 |
| Pondicherry | 5.47 | 946.33 | 84.83 |
| Lakshadweep | 0.29 | .. | 6.67 |
| Southern Region | 5.05 | 2,207.40 | 3.65 |
| Bihar(I) | 3.42 | 2,803.08 | 1.31 |
| Orissa | 8.83 | 7,555.66 | 3.06 |
| West Bengal(I) | 17.25 | 1,265.63 | 119.52 |
| A. & N. Islands | 15.90 | .. | 6.57 |
| Sikkim | 77.80 | .. | 15.00 |
| Eastern Region | 10.70 | 2,358.06 | 6.96 |
| Assam | 37.75 | 947.67 | 1.05 |
| Manipur | 2.01 | .. | 14.67 |
| Meghalaya | 111.49 | .. | 2.32 |
| Nagaland | 1.73 | 15,270.00 | 0.58 |
| Tripura | 3.76 | .. | 9.26 |
| Arunachal Pradesh | 38.11 | .. | 63.75 |
| Mizoram | .. | .. | 84.67 |
| North Eastern Region | 29.42 | 977.25 | 2.00 |
| TOTAL (ALL INDIA) | 7.94 | 2,412.53 | 5.27 |

Note:—L.V. & M.V. means low and medium voltage.

H.V. means high voltage.

(B)—included in Industrial Low and Medium Voltage.

TABLE NO. 64—(Contd.)

(in thousand KWH)

| State/U.Ts. | Traction | Agricultural | Public Water Works |
|---------------------------------------|--------------------|--------------|--------------------|
| Haryana | .. | 5.00 | 18.72 |
| Himachal Pradesh | .. | 5.09 | .. |
| Jammu & Kashmir | .. | 30.02 | 194.75 |
| Punjab | .. | 5.72 | (E) |
| Rajasthan | .. | 5.15 | 26.88 |
| Uttar Pradesh | 1,18,305.00 | 8.72 | 102.96 |
| Chandigarh | .. | 3.01 | 33.42 |
| Delhi | .. | (F) | (F) |
| Northern Region | 1,18,305.00 | 6.41 | 46.33 |
| Gujarat | 25,858.00 | 5.21 | 27.74 |
| Madhya Pradesh | 12,025.00 | 1.20 | 47.54 |
| Maharashtra | 41,915.00 | 2.96 | 46.03 |
| Govt, Daman & Diu | .. | 2.08 | 505.96 |
| D. & N. Haveli | .. | .. | 0.63 |
| Western Region | 28,796.36 | 2.83 | 40.52 |
| Andhra Pradesh | 14,018.33 | 2.81 | 21.40 |
| Karnataka | .. | 1.33 | .. |
| Kerala | .. | 0.81 | 60.18 |
| Tamil Nadu | 5,421.05 | 2.28 | 5.74 |
| Pondicherry | .. | 3.99 | 266.82 |
| Lakshadweep | .. | .. | .. |
| Southern Region | 8,749.03 | 2.17 | 7.83 |
| Bihar (I) | 49,435.25 | 3.38 | 76.30 |
| Orissa | 18,225.00 | 3.49 | 53.98 |
| West Bengal(I) | 31,242.86 | 3.83 | 316.47 |
| A. & N. Islands | .. | .. | 30.00 |
| Sikkim | .. | .. | .. |
| Eastern Region | 26,029.23 | 3.44 | 127.40 |
| Assam | .. | 3.59 | 17.70 |
| Manipur | .. | 3,950.00 | .. |
| Meghalaya | .. | 0.57 | 23.18 |
| Nagaland | .. | .. | 10.91 |
| Tripura | .. | 12.46 | 71.86 |
| Arunachal Pradesh | .. | .. | 150.00 |
| Mizoram | .. | .. | 10.00 |
| North Eastern Region | .. | 6.57 | 25.82 |
| TOTAL (ALL INDIA). | 25,325.79 | 3.49 | 31.24 |

(E)—Included in Agricultural category.

(F)—Included in Industrial high voltage.

TABLE NO. 65
Average Connected Load for Consumer
Regionwise/Statewise/Categorywise-as on 31st March, 1984

(in KW)

| Region | State/U.Ts. | Total Average/all categories | Domestic | Commercial |
|----------------------|-------------------|------------------------------|-------------|-------------|
| NORTHERN | Haryana | 1.90 | 0.41 | 0.59 |
| | Himachal Pradesh | 0.94 | 0.54 | 1.26 |
| | Jammu & Kashmir | 0.66 | 0.25 | 0.47 |
| | Punjab | 1.64 | 0.56 | 0.89 |
| | Rajasthan | 2.08 | 0.56 | 0.78 |
| | Uttar Pradesh | 2.54 | 0.65 | 1.69 |
| | Chandigarh | 3.05 | 1.85 | 6.12 |
| | Delhi | 1.25 | 0.64 | 2.13 |
| Northern Region | | 1.85 | 0.57 | 1.19 |
| WESTERN | Gujarat | 1.72 | 0.54 | 0.83 |
| | Madhya Pradesh | 1.86 | 0.51 | 0.90 |
| | Maharashtra | 2.03 | 0.68 | 1.17 |
| | D. & N. Haveli | 0.90 | 0.35 | 0.51 |
| | Goa, Daman & Diu | 1.54 | 0.69 | 0.66 |
| Western Region | | 1.89 | 0.61 | 1.00 |
| SOUTHERN | Andhra Pradesh | 1.82 | 0.45 | 0.71 |
| | Karnataka | 1.51 | 0.63 | 0.30 |
| | Kerala | 1.32 | 0.72 | 0.78 |
| | Tamil Nadu | 1.60 | 0.58 | 0.93 |
| | Lakshadweep | 0.66 | 0.56 | 0.90 |
| | Pondicherry | 2.29 | 0.59 | .. |
| Southern Region | | 1.59 | 0.59 | 0.73 |
| EASTERN | Bihar | 2.04 | 0.56 | 0.79 |
| | Orissa | 2.41 | 0.75 | 0.84 |
| | West Bengal | 2.45 | 0.96 | 1.65 |
| | D.V.C. | 13,000.75 | .. | 10.00 |
| | A. & N. Islands | 0.56 | 0.50 | 0.60 |
| | Sikkim | 1.04 | 1.20 | .. |
| Eastern Region | | 2.46 | 0.81 | 1.22 |
| NORTH EASTERN | Assam | 3.14 | 1.43 | 1.59 |
| | Manipur | 0.45 | 0.20 | 14.29 |
| | Meghalaya | 1.40 | 0.69 | 1.15 |
| | Nagaland | 1.09 | 0.71 | 0.82 |
| | Tripura | 1.47 | 0.80 | 1.01 |
| | Arunachal Pradesh | 0.23 | 0.17 | 0.26 |
| | Mizoram | 0.72 | 0.63 | 0.44 |
| North Eastern Region | | 2.21 | 1.01 | 1.40 |
| TOTAL (ALL INDIA) | | 1.83 | 0.61 | 0.99 |

TABLE NO. 65—(Contd.)

(in KW)

| State/U.Ts. | Industrial L.V. & M.V. | Industrial H.V. | Public Lighting |
|---------------------------------------|---------------------------|--------------------|-----------------|
| Haryana | 21.43 | (C) | .. |
| Himachal Pradesh | 16.29 | (C) | 4.55 |
| Jammu & Kashmir | 10.54 | (C) | 8.21 |
| Punjab | 10.62 | 715.87 | 8.38 |
| Rajasthan | 10.61 | 1,523.35 | 2.45 |
| Uttar Pradesh | 12.63 | 1,619.49 | 2.89 |
| Chandigarh | 14.15 | 279.52 | 9.74 |
| Delhi | 6.51 | 486.06 | 39.42 |
| Northern Region | 12.30 | 1,002.67 | 7.76 |
| Gujarat | 9.46 | 641.81 | 3.25 |
| Madhya Pradesh | 9.79 | 1,594.43 | 2.58 |
| Maharashtra | 9.97 | 812.05 | 2.12 |
| D. & N. Haveli | 12.89 | 60.00 | 4.31 |
| Goa, Daman & Diu | 30.05 | (C) | 3.67(E) |
| Western Region | 9.96 | 860.95 | 2.53 |
| Anhara Pradesh | 10.91 | 699.32 | 1.48 |
| Karnataka | 5.30 | 714.40 | 2.98(E) |
| Kerala | 11.51 | 1,028.80 | 16.15 |
| Tamil Nadu | 6.84 | 880.23 | 0.95 |
| Lakshadweep | 7.93 | .. | 4.79 |
| Pondicherry | 20.56 | 960.00 | 57.76 |
| Southern Region | 7.49 | 788.56 | 1.55 |
| Bihar | 7.71 | 393.83 | 1.58 |
| Orissa | 14.96 | 1,796.09 | 3.98 |
| West Bengal | 6.24 | 542.14 | 33.64 |
| D.V.C. | .. | 16,346.15 | .. |
| A. & N. Islands | 5.00 | .. | 1.86 |
| Sikkim | 21.00 | .. | 1.68(E) |
| Eastern Region | 7.77 | 724.72 | 3.76 |
| Assam | 42.99 | 236.76 | 0.92 |
| Manipur | 5.55 | (C) | 4.40 |
| Meghalaya | 45.07 | (C) | 2.09 |
| Nagaland | 6.22 | 5,000.00 | 0.76 |
| Tripura | 10.00 | (C) | 5.00 |
| Arunachal Pradesh | 12.45 | .. | 8.17 |
| Mizoram | 105.00 | 37.50 | 23.33 |
| North Eastern Region | 31.96 | 247.02 | 1.17 |
| TOTAL (ALL INDIA) | 9.71 | 825.39 | 2.40 |

(C) Included in Industrial Low & Medium voltage.

(E) Estimated.

28—261 CEA/ND/86

TABLE NO. 65—(Contd.)

| State/U.Ts. | Traction | Agricultural | Public Water Works |
|---------------------------------------|------------------|--------------|--------------------|
| Haryana | .. | 4·60 | 17·65 |
| Himachal Pradesh | .. | 10·91 | (C) |
| Jammu & Kashmir | .. | 17·68 | 29·25 |
| Punjab | .. | 3·49 | (A) |
| Rajasthan | .. | 4·76 | 12·60 |
| Uttar Pradesh | 26,668·50 | 5·37 | 38·06 |
| Chandigarh | .. | 4·98 | 26·78 |
| Delhi | .. | (C) | (B) |
| Northern Region | 26,668·50 | 4·57 | 18·59 |
| Gujarat | 10,000·00 | 7·22 | 14·71 |
| Madhya Pradesh | 8,335·42 | 2·59 | 15·68 |
| Maharashtra | 3,850·38 | 3·33 | 16·48 |
| D. & N. Haveli | .. | .. | 0·18 |
| Goa, Daman & Diu | .. | 7·25 | 7·91 |
| Western Region | 6,413·06 | 3·79 | 15·51 |
| Andhra Pradesh | 17,585·75 | 3·71 | 15·71 |
| Karnataka | .. | 3·34 | 19·96 |
| Kerala | .. | 2·91 | 24·91 |
| Tamil Nadu | 3,268·79 | 3·37 | 6·72 |
| Lakshadweep | .. | .. | .. |
| Pondicherry | .. | 4·84 | 167·73 |
| Southern Region | 8,810·84 | 3·44 | 10·11 |
| Bihar | 8,375·00 | 2·61 | 34·83 |
| Orissa | 8,099·80 | 6·43 | 31·74 |
| West Bengal | 8,428·57 | 5·69 | 244·87 |
| D.V.C. | 12,857·14 | .. | .. |
| A. & N. Islands | .. | .. | 5·00 |
| Sikkim | .. | .. | .. |
| Eastern Region | 9,128·15 | 3·29 | 81·21 |
| Assam | .. | 25·78 | 24·00 |
| Manipur | .. | 4,000·00 | 4·69 |
| Meghalaya | .. | 8·22 | 13·20 |
| Nagaland | .. | .. | 17·64 |
| Tripura | .. | 10·00 | 10·00 |
| Arunachal Pradesh | .. | .. | 42·00 |
| Mizoram | .. | .. | 36·00 |
| North Eastern Region | .. | 23·71 | 19·73 |
| TOTAL (ALL INDIA) | 8,854·57 | 3·83 | 16·37 |

(A) Included in Agricultural Category.

(B) Included in Public Lighting.

SECTION X

Urban & Rural Electrification

URBAN & RURAL ELECTRIFICATION

High priority continues to be attached to the implementation of Rural Electrification works. The revised programme includes among other things maximisation of power generation, electrification of all villages as speedily as possible and increase in irrigation potential through energisation of pump sets. Rural Electrification Programme is being implemented by the States, and Union Territories in their respective areas under the States Plans supplemented by the REC financing and loans from Financial Institutions. During the year 1983-84, 23,683 villages were electrified bringing the total number of villages electrified to 3,47,564 as on 31st March, 1984 which represents 60.3 per cent of the total registered villages in the country. The States of Punjab, Haryana and Kerala & Union Territories of Chandigarh, Delhi, Pondicherry and Lakshadweep have already achieved 100% electrification of villages in their territory. Other states which are likely to achieve 100% electrification in near future are Tamil Nadu (99.6%), Dadra & Nagar Haveli (93.1%) and & Goa, Daman & Diu (92.9%).

On the regional basis the Southern Region tops with (84.3%) of villages electrification followed by Western Region (67.1%), Northern Region (61.0%), Eastern Region (48.2%), North Eastern Region (36.2%). The Rural population on all India basis enjoying the benefits of villages electrification was 75.1% as on 31st March, 1984 compared to (73.0%) during the last year. All the 3,126 towns in the country stand electrified as on 31st March, 1984.

The energisation of pumpsets also progressed satisfactory. The total number of energised pumpsets in the country were 53,08,666 as on 31st March, 1984. TamilNadu continued to have maximum number of energised pumpsets (9,82,606) followed by Maharashtra (8,58,800).

The salient features of Urban and Rural Electrification are covered in various tables of this section.

TABLE NO. 67

Towns electrified in various population groups (1971 Census) Regionwise/statewise as on 31st March, 1984

| Region | State/U.Ts. | Total Number | Population Groups | | |
|-----------------------------|-----------------------------|--------------|-------------------|----------------|------------------|
| | | | Below 5,000 | 5,000 to 9,999 | 10,000 to 19,999 |
| NORTHERN REGION | Haryana | 65 | 15 | 20 | 15 |
| | Himachal Pradesh | 36 | 23 | 6 | 5 |
| | Jammu and Kashmir | 45 | 20 | 17 | 3 |
| | Punjab | 108 | 11 | 30 | 33 |
| | Rajasthan | 157 | 4 | 41 | 67 |
| | Uttar Pradesh | 325 | 17 | 94 | 100 |
| | Chandigarh | 2 | .. | .. | 1 |
| | Delhi | 3 | .. | .. | .. |
| Sub-Total | | 741 | 80 | 208 | 224 |
| WESTERN REGION | Gujarat | 216 | 5 | 71 | 73 |
| | Madhya Pradesh | 250 | 12 | 96 | 74 |
| | Maharashtra | 289 | 14 | 70 | 98 |
| | D & N Haveli | .. | .. | .. | .. |
| | Goa, Daman & Diu | 13 | 4 | 4 | 1 |
| Sub-Total | | 768 | 35 | 241 | 246 |
| EASTERN REGION | Bihar | 202 | 12 | 47 | 72 |
| | Orissa | 81 | 2 | 30 | 23 |
| | West Bengal | 223 | 10 | 59 | 59 |
| | A & N Islands | 1 | .. | .. | .. |
| | Sikkim | 7 | 6 | .. | 1 |
| Sub-Total | | 514 | 30 | 136 | 155 |
| SOUTHERN REGION | Andhra Pradesh | 224 | 8 | 45 | 79 |
| | Karnataka | 245 | 26 | 51 | 105 |
| | Kerala | 88 | 2 | 9 | 25 |
| | Tamil Nadu | 439 | 101 | 97 | 118 |
| | Lakshadweep | .. | .. | .. | .. |
| | Pondicherry | 6 | .. | 2 | .. |
| Sub-Total | | 1,002 | 137 | 204 | 327 |
| NORTH-EASTERN REGION | Assam | 72 | 8 | 23 | 26 |
| | Manipur | 8 | 3 | 4 | .. |
| | Meghalaya | 6 | 1 | 1 | 3 |
| | Nagaland | 3 | .. | .. | 2 |
| | Tripura | 6 | .. | 1 | 4 |
| | Arunachal Pradesh | 4 | 3 | 1 | .. |
| | Mizoram | 2 | .. | 1 | .. |
| Sub-Total | | 101 | 15 | 31 | 35 |
| TOTAL (ALL-INDIA) | | 3,126 | 297 | 820 | 987 |

TABLE NO. 67—(Contd.)

| State/U.Ts. | Population Groups | | | | Total number electrified | Electrified during 1983-84 |
|----------------------------------|-------------------|------------------|---------------|--|--------------------------|----------------------------|
| | 20,000 to 49,999 | 50,000 to 99,999 | Over one lakh | | | |
| Haryana | 14 | 9 | 2 | | 65 | .. |
| Himachal Pradesh | 1 | 1 | .. | | 36 | .. |
| Jammu and Kashmir | 3 | .. | 2 | | 45 | .. |
| Punjab | 22 | 8 | 4 | | 108 | .. |
| Rajasthan | 31 | 7 | 7 | | 157 | .. |
| Uttar Pradesh | 71 | 21 | 22 | | 325 | .. |
| Chandigarh | .. | .. | 1 | | 2 | .. |
| Delhi | .. | 1 | 2 | | 3 | .. |
| Sub Total | 142 | 47 | 46 | | 741 | .. |
| Gujarat | 42 | 18 | 7 | | 216 | .. |
| Madhya Pradesh | 43 | 14 | 11 | | 250 | .. |
| Maharashtra | 65 | 25 | 17 | | 289 | .. |
| Dadra & Nagar Haveli | .. | .. | .. | | .. | .. |
| Goa, Daman and Diu | 3 | 1 | .. | | 13 | .. |
| Sub-Total | 153 | 58 | 35 | | 768 | .. |
| Bihar | 51 | 11 | 9 | | 202 | .. |
| Orissa | 20 | 2 | 4 | | 81 | .. |
| West Bengal | 49 | 31 | 15 | | 223 | .. |
| A. & N. Islands | 1 | .. | .. | | 1 | .. |
| Sikkim | .. | .. | .. | | 7 | .. |
| Sub-Total | 121 | 44 | 28 | | 514 | .. |
| Andhra Pradesh | 61 | 18 | 13 | | 224 | .. |
| Karnataka | 42 | 11 | 10 | | 245 | .. |
| Kerala | 40 | 7 | 5 | | 88 | .. |
| Tamil Nadu | 79 | 27 | 17 | | 439 | .. |
| Lakshadweep | .. | .. | .. | | .. | .. |
| Pondicherry | 3 | 1 | .. | | 6 | .. |
| Sub-Total | 225 | 64 | 45 | | 1,002 | .. |
| Assam | 9 | 5 | 1 | | 72 | .. |
| Manipur | .. | .. | 1 | | 8 | .. |
| Meghalaya | .. | 1 | .. | | 6 | .. |
| Nagaland | 1 | .. | .. | | 3 | .. |
| Tripura | .. | .. | 1 | | 6 | .. |
| Arunachal Pradesh | .. | .. | .. | | 4 | .. |
| Mizoram | 1 | .. | .. | | 2 | .. |
| Sub-Total | 11 | 6 | 3 | | 101 | .. |
| TOTAL (ALL-INDIA) | 652 | 219 | 151 | | 3,126 | .. |

TABLE NO. 68

Villages electrified in various population groups (1977 Census) & Rural population benefited by electricity
Regionwise/Statewise as on 31st March, 1984

| Region | State/U.Ts. | Total No. of villages | Villages electrified in various population groups | | |
|-----------------------|-------------------------------|-----------------------|---|---------|-------------|
| | | | Below 500 | 500—999 | 1,000—1,999 |
| NORTHERN REGION | Haryana | 6,731 | 2,018 | 1,909 | 1,673 |
| | Himachal Pradesh . . . | 16,916 | 12,580 | 802 | 236 |
| | Jammu and Kashmir (+) | 6,503 | 3,242 | 1,410 | 682 |
| | Punjab | 12,188 | 5,136 | 3,577 | 2,392 |
| | Rajasthan | 33,305 | 9,399 | 5,002 | 2,940 |
| | Uttar Pradesh (+). | 1,12,561 | 28,401 | 16,782 | 9,259 |
| | Chandigarh | 26 | 8 | 10 | 7 |
| | Delhi | 243 | 43 | 53 | 7 |
| Sub-Total | | 1,88,473 | 60,827 | 29,545 | 17,268 |
| WESTERN REGION | Gujarat | 18,275 | 4,220 | 4,580 | 3,987 |
| | Madhya Pradesh | 70,883 | 19,199 | 10,627 | 5,587 |
| | Maharashtra (+) | 35,778 | 11,271 | 9,845 | 7,292 |
| | D. & N. Haveli | 72 | 18 | 18 | 26 |
| | Goa, Daman and Diu . . . | 409 | 117 | 78 | 83 |
| Sub-Total | | 1,25,417 | 34,825 | 25,128 | 16,975 |
| EASTERN REGION | Bihar (+) | 67,566 | 14,359 | 8,483 | 6,243 |
| | Orissa | 46,992 | 12,105 | 6,601 | 3,028 |
| | West Bengal (+) | 38,074 | 5,758 | 5,066 | 4,580 |
| | Andaman & Nicobar Islands . . | 3,905 | 170 | 30 | 19 |
| | Sikkim | 405(±) | 51 | 58 | 39 |
| Sub-Total | | 153,427 | 32,443 | 20,238 | 13,909 |
| SOUTHERN REGION | Andhra Pradesh (+) | 27,221 | 5,004 | 4,901 | 6,183 |
| | Karnataka | 26,826 | 8,809 | 6,105 | 4,177 |
| | Kerala | 1,268 | 4 | 2 | 16 |
| | Tamilnadu | 15,735 | 2,919 | 3,418 | 4,546 |
| | Lakshadweep | 10 | 1 | .. | 1 |
| | Pondicherry | 333 | 162 | 85 | 57 |
| Sub-Total | | 71,393 | 16,899 | 14,511 | 14,980 |
| NORTH-EASTERN REGION | Assam (+) | 21,995 | 4,966 | 2,775 | 1,537 |
| | Manipur (+). | 1,949 | 195 | 128 | 130 |
| | Meghalaya | 4,583 | 907 | 180 | 44 |
| | Nagaland | 960 | 324 | 142 | 97 |
| | Tripura | 4,727 | 1,020 | 406 | 212 |
| | Arunachal Pradesh | 2,973 | 603 | 59 | 25 |
| | Mizoram | 229 | 13 | 9 | 11 |
| Sub-Total | | 37,416 | 8,028 | 3,699 | 2,056 |
| TOTAL (ALL INDIA) . . | | 5,76,126 | 1,53,022 | 93,141 | 65,188 |

Note :—(±) The revenue block has been reckoned as the smallest administrative unit by the census authority.

TABLE NO. 68—(Contd.)

| State/Uts. | Villages electrified in various population groups | | | | Total electrified as on 31-3-1984 |
|----------------------------------|---|--------------|------------------|--|--------------------------------------|
| | 2,000—4,999 | 5,000—9,999 | 10,000 and above | | |
| Haryana | 975 | 148 | 8 | | 6,731 |
| Himachal Pradesh | 45 | 1 | .. | | 13,664 |
| Jammu and Kashmir (+) | 188 | 7 | .. | | 5,529 |
| Punjab | 940 | 79 | 2 | | 1,126(*) |
| Rajasthan | 1,108 | 106 | 10 | | 18,565 |
| Uttar Pradesh(+). . . . | 3,256 | 303 | 28 | | 58,029 |
| Chandigarh | .. | 1 | .. | | 26 |
| Delhi | 60 | 6 | 2 | | 243 |
| Sub-Total | 6,572 | 651 | 50 | | 1,14,913 |
| Gujarat | 1,880 | 247 | 16 | | 14,930 |
| Madhya Pradesh | 1,271 | 87 | 6 | | 36,777 |
| Maharashtra(+). . . . | 3,051 | 490 | 75 | | 32,024 |
| D. & N. Haveli | 5 | .. | .. | | 67(@) |
| Goa, Daman & Diu | 77 | 23 | 2 | | 380 |
| Sub-Total | 6,284 | 847 | 99 | | 84,178 |
| Bihar (+) | 3,160 | 474 | 75 | | 32,794 |
| Orissa | 762 | 22 | 2 | | 22,520 |
| West Bengal(+). . . . | 2,545 | 329 | 42 | | 13,320 |
| A. & N. Islands | 1 | .. | .. | | 220 |
| Sikkim | 6 | .. | .. | | 164 |
| Sub-Total | 6,474 | 825 | 119 | | 74,006 |
| Andhra Pradesh(+). . . . | 4,772 | 721 | 60 | | 21,661 |
| Karnataka | 1,896 | 244 | 9 | | 21,242 |
| Kerala | 122 | 316 | 808 | | 1,268 |
| Tamil Nadu | 3,898 | 752 | 140 | | 15,673 |
| Lakshadweep | 6 | 2 | .. | | 10 |
| Pondicherry | 26 | 3 | .. | | 333 |
| Sub-Total | 10,722 | 2,033 | 1,037 | | 60,187 |
| Assam(+). . . . | 266 | 11 | .. | | 9,555 |
| Manipur(+). . . . | 70 | 9 | .. | | 532 |
| Meghalaya | 7 | .. | .. | | 1,138 |
| Nagaland | 16 | 1 | .. | | 580 |
| Tripura | 65 | 2 | .. | | 1,705 |
| Arunachal Pradesh | 10 | .. | .. | | 697 |
| Mizoram | 36 | 2 | .. | | 71 |
| Sub-Total | 470 | 25 | .. | | 14,278 |
| TOTAL (ALL-INDIA) | 30,522 | 4,386 | 1,305 | | 3,47,564 |

Note :—(+) Population groupwise break up estimated.

*62 villages have been declared un-inhabited.

@5 villages are going under submargence in Damanganga Project.

TABLE NO. 63—(Contd.)

| State/UTs. | %electrified | Villages electrified during 1983-84 | Total Rural population (Lakhs) | Rural population benefited (Lakhs) | %age benefited |
|------------------------------------|--------------|-------------------------------------|--------------------------------|------------------------------------|----------------|
| Haryana | 100·0 | ** | 82·64 | 82·64 | 100·0 |
| Himachal Pradesh | 80·8 | 870 | 32·19 | 27·64 | 85·9 |
| Jammu and Kashmir | 85·0 | 315 | 37·59 | 25·89* | (a)68·7 |
| Punjab | 100·0 | ** | 103·35 | 103·35 | 100·0 |
| Rajasthan | 55·7 | 1,255 | 212·22 | 150·00 | 70·7 |
| Uttar Pradesh | 51·5 | 4,662 | 759·53 | 483·70 | 63·8 |
| Chandigarh | 100·0 | ** | 0·24 | 0·24 | 100·0 |
| Delhi | 100·0 | ** | 4·19 | 4·19 | 100·0 |
| Sub-Total | 61·0 | 2,102 | 1,231·95 | 877·65 | 71·2 |
| Gujarat | 81·7 | 900 | 192·01 | 172·57 | 89·9 |
| Madhya Pradesh | 51·9 | 3,939 | 348·69 | 231·52 | 66·4 |
| Maharashtra | 89·5 | 1,447 | 347·01 | 331·72 | 95·6 |
| D. & N. Haveli | 93·1 | 2 | 0·74 | 0·73 | 9866 |
| Goa, Daman & Diu | 92·9 | Nil | 6·31 | 6·19 | 98·1 |
| Sub-Total | 67·1 | 6,288 | 894·764 | 742·73 | 83·0 |
| Bihar | 48·5 | 3,607 | 507·19 | 224·90 | (b)44·3 |
| Orissa | 47·9 | 1,240 | 200·99 | 142·19 | 70·7 |
| West Bengal | 48·1 | 726 | 333·45 | 219·07 | 76·7 |
| A. & N. Islands | 56·4 | 36 | 0·89 | 0·75 | 79·0 |
| Sikkim | 38·0 | 42 | 1·90 | 0·54(d) | 28·4 |
| Sub-Total | 48·2 | 5,651 | 1,044·42 | 587·45 | 56·2 |
| Andhra Pradesh | 79·6 | 1,000 | 351·00 | 334·15(e) | 95·2 |
| Karnataka | 79·1 | 927 | 221·77 | 200·49 | 90·4 |
| Kerala | 100·0 | (**) | 178·81 | 178·81 | 100·0 |
| Tamil Nadu | 99·6 | 37 | 287·34 | 286·86 | 99·8 |
| Lakshadweep | 100·0 | (**) | 0·318 | 0·318 | 100·0 |
| Pondicherry | 100·0 | (**) | 2·73 | 2·73 | 100·0 |
| Sub-Total | 84·3 | 1,964 | 1,041·97 | 1,003·36 | 96·6 |
| Assam | 43·4 | 2,014 | 133·36 | 59·55(f) | 44·7 |
| Manipur | 27·3 | 105 | 9·31 | 5·68(c) | 61·0 |
| Meghalaya | 24·8 | 141 | 8·65 | 3·96 | 43·8 |
| Nagaland | 60·4 | 65 | 4·65 | 3·65 | 78·5 |
| Tripur | 36·1 | 205 | 13·94 | 9·10 | 65·3 |
| Arunachal Pradesh | 23·4 | 145 | 4·50 | 1·78 | 39·5 |
| Mizoram | 31·0 | 3 | 2·95 | 1·46 | 49·5 |
| Sub-Total | 38·2 | 2,678 | 177·36 | 85·18 | 48·0 |
| TOTAL (ALL INDIA) | 60·3 | 236·83 | 4,390·46 | 3,296·37 | 75·1 |

Note :— *Figure provisional.

**100% villages electrification have been already achieved.

(a) As on 31-12-79

(d) As on 30-6-1982

(b) As on 30-4-80

(e) As on 31-3-1983

(c) As on 31-12-81

(f) As on 31-10-1983

TABLE NO. 68
Irrigation pumpsets energised region-wise/Statewise As on 31st March, 1984

| Region | State/UTs. | No. of Pumpsets energised | Agricultural Consumption | |
|-----------------------------|-----------------------------|---------------------------|--------------------------|-------------------------------------|
| | | | Quantum (GWH) | % to total consumption in the State |
| NORTHERN REGION | Haryana | 2,61,450 | 1,301.38 | 40.23 |
| | Himachal Pradesh | 2,218 | 11.98 | 2.77 |
| | Jammu and Kashmir | 1,264 | 32.03 | 4.47 |
| | Punjab | 3,80,817 | 2,189.07 | 34.80 |
| | Rajasthan | 2,57,131 | 1,307.41 | 30.75 |
| | Uttar Pradesh | 4,84,534 | 3,518.41 | 34.41 |
| | Chandigarh | 551 | 1.09 | 0.52 |
| | Delhi | 14,897 | (F) | .. |
| Sub-Total | | 14,02,862 | 8,361.37 | 29.52 |
| WESTERN REGION | Gujarat | 2,73,762 | 1,427.82 | 15.35 |
| | Madhya Pradesh | 4,30,378 | 557.40 | 8.08 |
| | Maharashtra | 8,58,800 | 2,541.00 | 15.04 |
| | Goa, Daman & Diu | 2,757 | 5.80 | 2.21 |
| | D. & N. Haveli | 335 | 0.31 | 2.89 |
| | Sub-Total | | 15,66,032 | 4,532.33 |
| EASTERN REGION | | | | 13.58 |
| SOUTHERN REGION | Bihar | 1,87,349 | 646.28 | 12.97 |
| | Orissa | 26,391 | 74.42 | 2.30 |
| | West Bengal | 31,724 | 100.59 | 1.57 |
| | A. & N. Islands | 1 | .. | .. |
| | Sikkim | NIL | .. | .. |
| Sub-Total | | 2,45,463 | 821.29 | 5.61 |
| NORTH EASTERN REGION | Andhra Pradesh | 5,86,384 | 1,626.58 | 21.13 |
| | Karnataka | 3,95,801 | 533.90 | 8.45 |
| | Kerala | 1,17,813 | 93.57 | 3.64 |
| | Tamil Nadu | 9,82,606 | 2,211.50 | 26.86 |
| | Pondicherry | 8,313 | 33.20 | 24.80 |
| | Lakshadweep | NIL | .. | .. |
| | Sub-Total | | 20,90,917 | 4,498.75 |
| TOTAL (ALL INDIA) | | 53,08,666 | 18,233.63 | 17.81 |

TABLE NO. 68—Contd.

| State/U.Ts. | Agricultural connected load (KW) | Average capacity per pump set (KW) | Average consumption per pumpset (KWH) | Consumption per unit of connected load (KWH/KW) |
|-----------------------------------|----------------------------------|------------------------------------|---------------------------------------|---|
| Haryana | 11,98,024 | 4.58 | 4,977 | 1,086 |
| Himachal Pradesh | 25,674 | 11.57 | 5,401 | 467 |
| Jammu and Kashmir (R) | 18,864 | 14.92 | 25,340 | 1,698 |
| Punjab | 13,38,126 | 3.51 | 5,748 | 1,636 |
| Rajasthan | 12,09,151 | 4.70 | 5,085 | 1,081 |
| Uttar Pradesh | 21,64,666 | 4.47 | 7,261 | 1,625 |
| Chandigarh | 1,804 | 3.27 | 1,978 | 604 |
| Delhi | .. | .. | .. | .. |
| Sub-Total | 59,56,309 | 4.25 | 5,960 | 1,404 |
| Gujarat | 19,77,958 | 7.23 | 5,216 | 722 |
| Madhya Pradesh | 11,98,522 | 2.78 | 1,295 | 465 |
| Maharashtra | 28,61,146 | 3.33 | 2,959 | 888 |
| Goa, Daman and Diu | 20,230 | 7.34 | 2,104 | 287 |
| D. & N. Haveli(R) | 350 | 1.04 | 925 | 886 |
| Sub-Total | 60,58,206 | 3.87 | 2,894 | 748 |
| Bihar | 4,98,057 | 2.66 | 3,450 | 1,298 |
| Orissa | 1,37,314 | 5.20 | 2,820 | 543 |
| West Bengal | 1,49,283 | 4.71 | 3,171 | 674 |
| A. & N. Islands | .. | .. | .. | .. |
| Sikkim | .. | .. | .. | .. |
| Sub-Total | 7,84,654 | 3.20 | 3,346 | 1,047 |
| Andhra Pradesh | 21,46,697 | 3.66 | 2,774 | 758 |
| Karnataka | 13,45,220 | 3.39 | 1,349 | 397 |
| Kerala | 3,37,511 | 2.86 | 794 | 277 |
| Tamil Nadu | 32,66,719 | 3.32 | 2,251 | 677 |
| Pondicherry | 40,219 | 4.84 | 3,994 | 825 |
| Lakshadweep | .. | .. | .. | .. |
| Sub-Total | 71,36,366 | 3.41 | 2,152 | 630 |
| Assam | 61,493 | 25.78 | 3,589 | 139 |
| Manipur | 4,000 | 148.15 | 1,463 | 987 |
| Meghalaya | 436 | 8.23 | 566 | 6,800 |
| Nagaland | .. | .. | .. | .. |
| Tripura | 5,900 | 6.38 | 7,946 | 1,245 |
| Arunachal Pradesh | .. | .. | .. | .. |
| Mizoram | .. | .. | .. | .. |
| Sub-Total | 71,829 | 21.19. | 5,867 | 277 |
| TOTAL (ALL NDIA) | 2,00,07,364 | 3.77 | 3,435 | 911 |

R—Data repeated due to non-availability of information.

GJPN—S 6—261 CEA ND/86—17-3-1987—200.

PERCENTAGE OF VILLAGES ELECTRIFIED IN THE COUNTRY
AS ON 31 March 1984

