

GOVERNMENT OF INDIA  
MINISTRY OF ENERGY

DEPARTMENT OF POWER  
CENTRAL ELECTRICITY AUTHORITY

**PUBLIC ELECTRICITY SUPPLY  
ALL INDIA STATISTICS  
1980-81**

**GENERAL REVIEW**

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 Central Electricity Authority. This publication presents, in a summarised form, the salient features of the progress and development of electricity supply industry in the Union of India. The pattern followed this year is broadly the same as in the last year.

The Central Electricity Authority is grateful to the various Governments of the States, Union Territories, State Electricity Boards and other Electricity Supply Authorities—both in the public and the private sectors—for the supply of essential data for the compilation of this publication.

Since it is intended to present in the publication, as far as possible, a correct picture of the progress achieved by the electricity supply industry in each State/Union Territory for a particular year, it is necessary that the publication is brought out well in time. This could not be achieved mainly due to delay in receipt of data from some of the Boards. While efforts are being made to obtain data in time, the co-operation of Electricity Supply Undertakings—both in the public and private sectors, is solicited in ensuring that complete statistical details regarding their undertakings are made available in time to the Authority. It may not be out of context to mention that in some cases the data supplied was inadequate and found to be inconsistent with the figure furnished for the previous year. In such cases approximate computation had to be resorted to in order to avoid further delay in the publication.

Every effort has been made to ensure accuracy of the material in the publication but Central Electricity Authority does not accept any responsibility for any errors or omissions which might have crept in this publication. Suggestions for improvement in the contents of the General Review are welcome. The Authority records appreciation of the work done by the officers and the staff of the P.D.B. & I. Directorate in compilation of this comprehensive publication.

A.N. SINGH

*Chairman*

*Central Electricity Authority*

*September, 1983.*

NEW DELHI.

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**SECTION I**  
**ORGANISATIONAL STRUCTURE OF**  
**ELECTRICITY SUPPLY INDUSTRY IN INDIA**

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### **ORGANISATION**

During the year under review there was no change in number of State Electricity Boards and Electricity Departments, 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 1980-81 Five private licensees were taken over by the State Electricity Boards of the respective States and one new private licensee was formed in Madhya Pradesh State. Thus there were in all 30 private licensees and 17 municipal licensees operating at the end of the year 1979-80. Out of 30 private licensees 17 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 5 of the Electricity supply Act, 1948*

Sl.No.	Name of the State	Name of the State Electricity Board	Date of Establishment
<i>Northern Region :</i>			
1.	Haryana . . . . .	Haryana State Electy. Board, Chandigarh . . . . .	3-5-1967
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
<i>Western Region :</i>			
7.	Gujarat . . . . .	Gujarat Electy. 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
<i>Southern Region :</i>			
10.	Andhra Pradesh . . . . .	Andhra Pradesh S.E.B., Hyderabad . . . . .	1-4-1959
11.	Karnataka . . . . .	Karnataka E.B., Bangalore . . . . .	30-9-1957
12.	Kerala . . . . .	Kerala S.E.B., Trivandrum . . . . .	31-3-1957
13.	Tamil Nadu . . . . .	Tamil Nadu Electy. Board, Madras . . . . .	1-7-1957
<i>Eastern Region :</i>			
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
<i>North Eastern Region :</i>			
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.

TABLE No. 2

*Names of Generating Companies, power Corporations, management boards under central or joint state partnership for meeting regional power requirements and electricity departments of Government of various States/UTs.*

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

\*Non-Generating Undertakings

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



TABLE No. 3

*Distribution of Licensees Undertaking (1) Generating & Distributing, (2) Generating, Purchasing & Distributing (3) Purchasing & Distributing*

Sl. No.	Region/State	Generating & Distributing	Number of Companies		Total
			Generating purchasing & Distributing	Purchasing & Distributing	
<i>(A) Northern Region :</i>					
1.	Rajasthan . . . . .	..	..	1	1
2.	Uttar Pradesh . . . . .	..	..	1	1
<b>TOTAL NORTHERN REGION</b>		..	..	2	2
<i>(B) Western Region :</i>					
1.	Gujarat . . . . .	..	1	2	3
2.	Madhya Pradesh . . . . .	..	..	3	3
3.	Maharashtra . . . . .	..	1	9	10
<b>TOTAL WESTERN REGION</b>		..	2	14	16
<i>(C) Southern Region :</i>					
1.	Andhra Pradesh . . . . .	..	..	3	3
2.	Karnataka . . . . .	..	..	1	1
3.	Kerala . . . . .	..	..	1	1
<b>TOTAL SOUTHERN REGION</b>		..	..	5	5
<i>(D) Eastern Region :</i>					
1.	Bihar. . . . .	..	..	1	1
2.	Orissa . . . . .	..	..	1	1
3.	West Bengal . . . . .	..	3	2	5
<b>TOTAL EASTERN REGION</b>		..	3	4	7
<i>(E) North Eastern Region . . . . .</i>					
<b>TOTAL (ALL INDIA)</b>		..	5	25	30

TABLE NO. 4

*Distribution of Municipal Undertakings*

Sl.No.	Region/State	Number of Municipalities			Total
		Generating and Distributing	Generating, Dis-tributing and Purchasing	Purchasing and Distributing	
<i>(A) Northern Region :</i>					
1.	Punjab . . . . .	..	..	1	1
2.	Delhi . . . . .	..	1	1	2
TOTAL NORTHERN REGION . . . . .		..	1	2	3
<i>(B) Western Region :</i>					
1.	Gujarat . . . . .	..	1	3	4
2.	Maharashtra . . . . .	..	..	4	4
TOTAL WESTERN REGION . . . . .		..	1	7	8
<i>(C) Southern Region :</i>					
1.	Kerala . . . . .	..	..	1	1
2.	Tamil Nadu . . . . .	..	..	5	5
TOTAL SOUTHERN REGION . . . . .		..	..	6	6
<i>(D) Eastern Region . . . . .</i>		..	..	..	..
<i>(E) North Eastern Region . . . . .</i>		..	..	..	..
TOTAL (ALL INDIA) . . . . .		..	2	15	17

TABLE NO. 5

*Acquisition of Electricity supply undertakings During 1980-81*

Sl. No.	Name of the Undertaking	Prior Ownership	Date of Acquisition	By whom acquired
(A)	Generating purchasing and distributing			
(B)	Purchasing and Distributing			
(b)	<i>Western Region :</i>			
1.	Dohad . . . . .	Company	9-2-1981	Gujarat Electy. Board.
2.	Kurundwad . . . . .	Company	1-5-1980	Maharashtra State Electy. Board.
(b)	<i>Eastern Region :</i>			
1.	Chandannagore . . . . .	Company	31-1-1981	
2.	Barahar . . . . .	Company	13-2-1981	West Bengal State Electy. Board.
3.	Barhampore . . . . .	Company	13-2-1981	

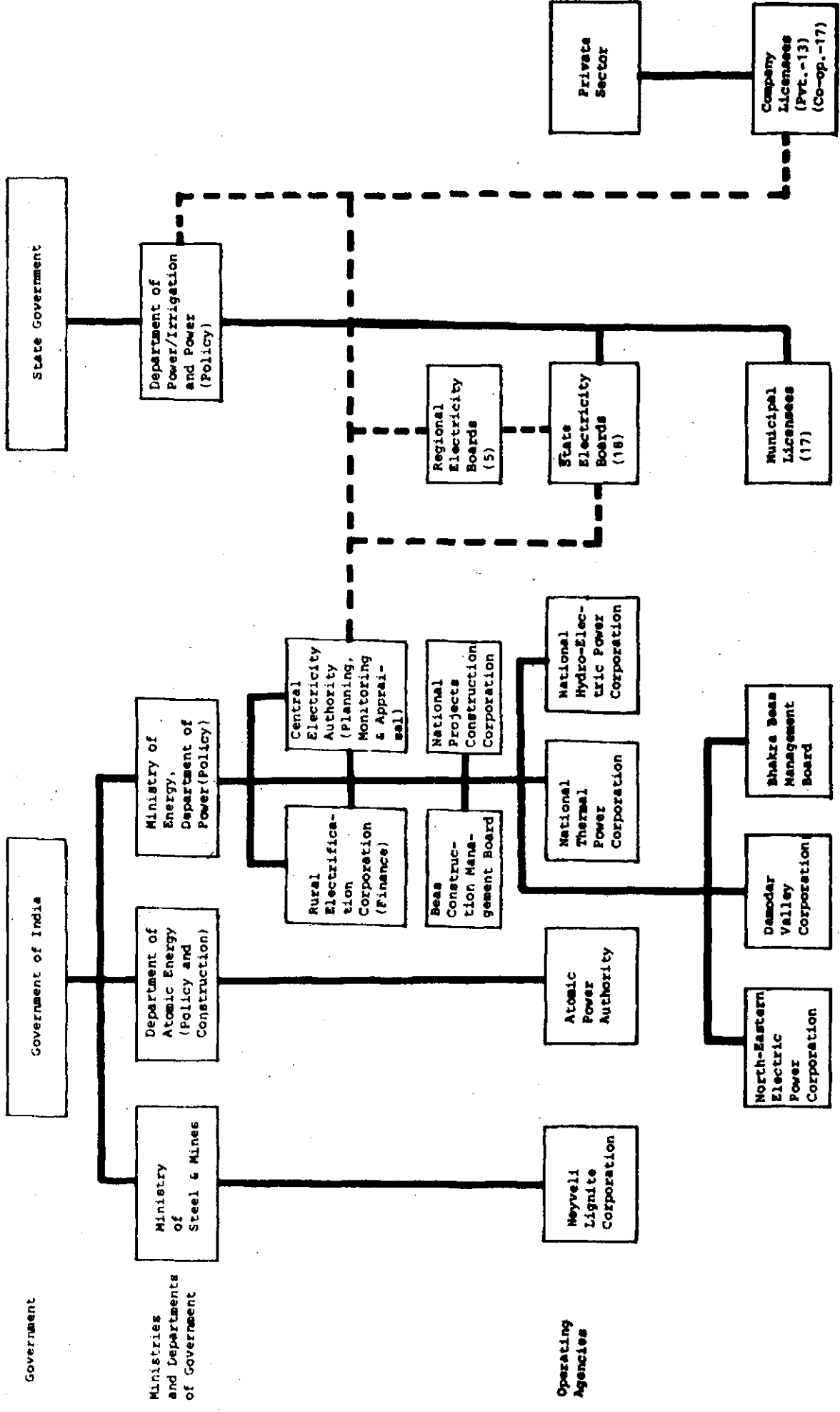
TABLE NO. 6

*New Electricity supply undertakings started operating during the year 1980-81*

1. The Rural Electric Co-operative Society Manawar, Distt. Dhar, Madhya Pradesh.

Date of issue of License : 10-6-1980.

# ORGANISATION STRUCTURE OF ELECTRICITY SUPPLY INDUSTRY IN INDIA



**SECTION II**  
**GENERATING CAPACITY (UTILITIES)**

### INSTALLED GENERATING CAPACITY

During the year under review installed generating capacity under Public Utilities in the country increased to 30213.68 MW as on 31-3-1981 as compared to 28447.83 MW as on 31st March, 1980, registering an increase of 6.21 % 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 1765.85 MW.

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 percentage of generating capacity of steam, hydro, nuclear, gas and diesel generating stations were 56.67%, 39.02%, 2.85%, 0.91% and 0.55% respectively.

There were 98 steam stations and 160 hydro stations having 318 and 507 nos. of generating sets with total capacity of 17122.13 MW and 11791.22 MW respectively as on 31st March, 1981.

Besides power stations of public utilities, generating capacity of captive plants of various industries registered an increase of 8.65% during the year 1980-81. Generating capacity of captive plants increased from 2799.07 MW to 3041.13 MW which comprise of hydro 2.61 MW, steam 2116.55 MW, gas turbine 54.27 MW and 867.70 MW of diesel generating sets.

In addition to the above, captive plants of 61.24 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 33316.05 MW as on 31st, March, 1981.

The various tables in this section give the detailed salient features of the installed generating capacity in the country as on 31st March, 1981.

TABLE NO. 7

*All India Installed Generating Capacity*  
(UTILITIES AND NON-UTILITIES)

Primemoverwise as on 31st March, 1981

Category	Year	Total	Hydro	Steam
Utilities	31-3-80	28,447.83	11,383.97	15,991.13
	31-3-81	30,213.68	11,791.22	17,122.13
	% increase	6.21	3.58	7.70
Non-Utilities . . . . . Selected Industries (I)	31-3-80	2,799.07	2.61	2,021.61
	31-3-81	3,041.13	2.61	2,116.55
	% increase	8.65	..	4.70
Railways (II)	31-3-80	60.44	..	19.96
	31-3-81	61.24	..	19.96
	% increase	1.32	..	..
Total Non-Utilities (I+II)	31-3-80	2,859.51	2.61	2,041.57
	31-3-81	3,102.37	2.61	2,136.51
	% increase	8.49	..	4.65
All India Capacity Utilities + Non-Utilities)	31-3-80	31,307.34	11,386.58	18,032.70
	31-3-81	33,316.05	11,793.83	19,258.64
	% increase	6.42	3.58	6.80

TABLE NO. 7—Contd.

Category	Year	Diesel	Gas	Nuclear
Utilities . . . . .	31-3-80	164.73	268.00	640.00
	31-3-81	166.33	274.00	860.00
	% increase	0.97	2.24	34.38
Selected Industries (I)	31-3-80	720.58	54.27	..
	31-3-81	867.70	54.27	..
	% increase	20.42	..	..
Railways (II)	31-3-80	40.48	..	..
	31-3-81	41.28	..	..
	% increase	1.98	..	..
Total Non Utilities (I+II)	31-3-80	761.06	54.27	..
	31-3-81	908.98	54.27	..
	% increase	19.44	..	..
All India Capacity (Utility + Non -Utility)	31-3-80	925.79	322.27	640.00
	31-3-81	1,075.31	328.27	860.00
	% increase	16.15	1.86	34.38

TABLE NO. 8

*All India installed generating capacity*  
(UTILITIES ONLY)  
Ownershipwise and Primemoverwise as on 31-3-1981

Sl. No.	Type of Primemover and Ownership	Installed Plant Capacity (MW)	% to total All India	% increase in installed capacity over the previous year
<b>I</b>	<b>HYDRO</b>			
	<i>Public Sector</i>			
	(a) State Electricity Boards	10,115.60	33.48	8.20
	(b) Electricity Departments/Govt. Undertakings/Corporation/Central Govt. Sector.	1,390.62	4.60	(-)20.55
	(c) Municipalities	..	..	..
	(Sub-total a+b+c)	11,506.22	38.08	3.76
	<i>(d) Private Sector</i>			
	Companies	285.00	0.94	..
	<b>TOTAL (HYDRO) (a+b+c+d)</b>	<b>11,791.22</b>	<b>39.02</b>	<b>3.58</b>
<b>II</b>	<b>STEAM</b>			
	<i>Public Sector</i>			
	(a) State Electricity Boards	12,960.35	42.89	9.63
	(b) Electricity Deptts./Govt. Undertakings/Corpn./Central Govt. Sector	2,809.60	9.30	..
	(c) Municipalities	255.80	0.85	..
	<b>SUB TOTAL</b>	<b>16,025.75</b>	<b>53.04</b>	<b>7.65</b>
	<i>Private Sector</i>			
	Companies	1,096.38	3.63	(-)0.68
	<b>TOTAL (STEAM.)</b>	<b>17,122.13</b>	<b>56.67</b>	<b>7.07</b>
<b>III</b>	<b>DIESEL</b>			
	<i>Public Sector</i>			
	(a) State Electricity Boards	105.76	0.35	1.45
	(b) Electricity Deptts./Govt. Undertakings/Corporations/Central Government Sector.	40.27	0.13	9.76
	(c) Municipalities	20.00	0.07	(-)3.47
	<b>SUB-TOTAL</b>	<b>166.03</b>	<b>0.55</b>	<b>0.79</b>
	<i>Private Sector</i>			
	Companies	0.30	Neg.	..
	<b>TOTAL (DIESEL)</b>	<b>166.33</b>	<b>0.55</b>	<b>0.97</b>



TABLE No. 8—Contd.

Sl. No.	Type of Primemover and ownership	Installed Plant Capacity (MW)	% to Total All India	% increase in installed capacity over the previous year.
<b>IV GAS TURBINE</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	274.00	0.91	2.24
	(b) Electricity Dep'tts/Govt. Undertakings/Corporations/Central Govt. Sector	..	..	..
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL . . . . .</b>	<b>274.00</b>	<b>0.91</b>	<b>2.24</b>
<i>Private Sector</i>				
	Companies . . . . .	..	..	..
	<b>TOTAL (GAS) . . . . .</b>	<b>274.00</b>	<b>0.91</b>	<b>2.24</b>
<b>V NUCLEAR</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	..	..	..
	(b) Electricity Dep'tts/Govt. Undertakings/Corps/Central Govt. Sector .	860.00	2.85	34.38
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL . . . . .</b>	<b>860.00</b>	<b>2.85</b>	<b>34.38</b>
<i>Private Sector</i>				
	Companies . . . . .	..	..	..
	<b>TOTAL (NUCLEAR) . . . . .</b>	<b>860.00</b>	<b>2.85</b>	<b>34.38</b>
<b>VI GRAND TOTAL (I+II+III+IV+V) . . . . .</b>				
		<b>860.00</b>	<b>2.85</b>	<b>34.38</b>
<i>Public Sector</i>				
	(a) State Electricity Boards (18 Nos.) . . . . .	23,455.71	77.63	8.86
	(b) Electricity Dep'tts/Govt. Undertakings/Corps/Central Govt. Sector (23 Nos.)	5,160.49	16.88	(—)2.60
	(c) Municipalities (17 Nos.) . . . . .	275.80	0.92	(—)0.26
	<b>SUB TOTAL (58 Nos.) . . . . .</b>	<b>28,832.00</b>	<b>95.43</b>	<b>6.55</b>
<i>Private Sector</i>				
	Companies (30 Nos.) . . . . .	1,381.68	4.57	(—)0.52
	<b>TOTAL ALL INDIA (88 Nos) . . . . .</b>	<b>30,213.68</b>	<b>100.00</b>	<b>6.21</b>

NOTE :—Figures within brackets shows number of undertakings.

TABLE NO. 9

*All India Total Installed Generating Capacity*  
(UTILITIES ONLY)  
Regionwise/Statewise as on 31st March, 1981

Region	State/U.Ts.	Total		
		31-3-81	31-3-80	% Increase
<i>Northern Region</i>	Haryana	1,140.93	1,080.93	5.55
	Himachal Pradesh	128.53	113.53	13.21
	Jammu & Kashmir	206.18	206.18	..
	Punjab	1,536.34	1,536.34	..
	Rajasthan	810.22	819.58	(-)-1.14
	Uttar Pradesh	3,611.66	3,339.66	8.14
	Chandigarh	2.00	2.00	..
	Delhi	275.80	275.80	..
	Central Sector	1,070.00	850.00	25.88
	<b>SUB-TOTAL</b>	<b>8,781.66</b>	<b>8,224.02</b>	<b>6.78</b>
<i>Western Region</i>	Gujarat	2,196.66	2,212.22	(-)-0.70
	Madhya Pradesh	1,630.50	1,528.00	6.71
	Maharashtra	3,992.30	3,552.30	12.39
	Goa, Daman & Diu	..	..	..
	D & N Haveli	..	..	..
	Central Sector	516.00	516.00	..
	<b>SUB-TOTAL</b>	<b>8,335.46</b>	<b>7,808.52</b>	<b>6.75</b>
<i>Eastern Region.</i>	Bihar	941.45	890.45	5.73
	Orissa	922.92	922.92	..
	West Bengal	1,725.98	1,610.54	7.17
	D.V.C.	1,421.50	1,421.50	..
	A. & N. Islands	6.93	6.01	15.31
	Sikkim	3.32	3.32	..
	Central Sector	12.00	12.00	..
	<b>SUB-TOTAL</b>	<b>5,034.10</b>	<b>4,866.74</b>	<b>3.44</b>
<i>Southern Region</i>	Andhra Pradesh	2,240.43	1,930.43	16.06
	Karnataka	1,469.80	1,334.80	10.11
	Kerala	1,011.50	1,011.50	..
	Tamil Nadu	2,329.00	2,329.00	..
	Pondicherry	..	..	..
	Lakshadweep	1.58	1.58	..
	Central Sector	600.00	600.00	..
	<b>SUB-TOTAL</b>	<b>7,652.31</b>	<b>7,207.31</b>	<b>6.17</b>
<i>Northeastern Region</i>	Assam	227.78	161.78	40.80
	Manipur	15.00	15.00	..
	Meghalaya	131.16	131.16	..
	Tripura	15.98	15.98	..
	Arunachal Pradesh	10.72	10.77	(-)-0.46
	Mizoram	4.39	2.89	51.90
	Nagaland	5.12	3.66	39.89
	<b>SUB-TOTAL</b>	<b>410.15</b>	<b>341.24</b>	<b>20.19</b>
	<b>TOTAL ALL INDIA.</b>	<b>30,213.68</b>	<b>28,447.83</b>	<b>6.21</b>

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 31-3-1981

(In M.W.)

Regions	State/U.Ts.	Public Sector		
		State Electricity Boards		
		31-3-81	31-3-80	% Increase
<i>Northern Region</i>	Haryana	1,140.93	1,080.93	5.55
	Himachal Pradesh	128.53	113.53	13.21
	Jammu & Kashmir	206.18	206.18	..
	Punjab	1,536.34	1,536.34	..
	Rajasthan	810.22	819.58	(-)-1.14
	Uttar Pradesh	3,611.66	3,339.66	8.14
	Chandigarh	..	..	..
	Delhi	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>7,433.86</b>	<b>7,096.22</b>	<b>4.76</b>
<i>Western Region</i>	Gujarat	1,869.00	1,884.00*	(-)-0.80
	Madhya Pradesh	1,630.50	1,528.00	6.71
	Maharashtra	3,369.80	2,929.80	15.02
	Goa, Daman & Diu	..	..	..
	D. & N. Haveli	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>6,869.30</b>	<b>6,341.80</b>	<b>8.32</b>
<i>Eastern Region.</i>	Bihar	921.45	870.45	5.86
	Orissa	888.50£	528.50	68.12£
	West Bengal	1,009.46	886.66	13.85
	D.V.C.	..	..	..
	A & N Islands	..	..	..
	Sikkim	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>2,819.41</b>	<b>2,285.61</b>	<b>23.35</b>
<i>Southern Region</i>	Andhra Pradesh	2,102.50	1,792.50	17.29
	Karnataka	531.20	396.20	34.07
	Kerala	1,011.50	1,011.50	..
	Tamil Nadu	2,329.00	2,329.00	..
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>5,974.20</b>	<b>5,529.20</b>	<b>8.05</b>
<i>Northeastern Region</i>	Assam	227.78	161.78	40.08
	Manipur	..	..	..
	Meghalaya	131.16	131.16	..
	Nagaland	..	..	..
	Tripura	..	..	..
	Arunachal Pradesh	..	..	..
	Mizoram	..	..	..
		<b>SUB-TOTAL</b>	<b>358.94</b>	<b>292.94</b>
	<b>TOTAL (ALL INDIA)</b>	<b>23,455.71</b>	<b>21,545.77</b>	<b>8.86</b>

NOTE.—\*Includes 15 M.W. Capacity of Bhavnagar Electricity Supply Co., which was acquired by Gujarat Elec. Board and the sets were closed & under disposal.

£ —Includes Balimela Power Station of 360.00 MW which was taken over by S.E.B. from State Govt. Elec. Deptt.

TABLE NO. 10—(Contd.)

State/U.Ts.	Public Sector		
	Electricity	Deptt/Govt. Undertakings	
	31-3-81	31-3-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	2.00	2.00	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	1,070.00	850.00	25.88
<b>SUB-TOTAL</b> . . . . .	<b>1,072.00</b>	<b>852.00</b>	<b>25.82</b>
Gujarat . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	516.00	516.00	..
<b>SUB-TOTAL</b> . . . . .	<b>516.00</b>	<b>516.00</b>	<b>..</b>
Bihar . . . . .	20.00	20.00	..
Orissa . . . . .	34.42*	394.42*	(- )91.27
West Bengal . . . . .	285.00	285.00	..
D.V.C. . . . .	1,421.50	1,421.50	..
Andaman & Nicobar Islands . . . . .	6.93	6.01	15.31
Sikkim . . . . .	3.32	3.32	..
Central Sector . . . . .	12.00	12.00	..
<b>SUB-TOTAL</b> . . . . .	<b>1,783.17</b>	<b>21,42.25</b>	<b>(- )16.76</b>
Andhra Pradesh . . . . .	137.93	137.93	..
Karnataka . . . . .	938.60	938.60	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	1.58	1.58	..
Central Sector . . . . .	600.00	600.00	..
<b>SUB-TOTAL</b> . . . . .	<b>1,678.11</b>	<b>1,678.11</b>	<b>..</b>
Assam . . . . .	..	..	..
Manipur . . . . .	15.00	15.00	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	5.12	3.66	38.89
Tripura . . . . .	15.98	15.98	..
Arunachal Pradesh . . . . .	10.72	10.77	0.46
Mizoram . . . . .	4.39	2.89	51.90
<b>SUB-TOTAL</b> . . . . .	<b>51.21</b>	<b>48.30</b>	<b>6.02</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>5,100.49</b>	<b>5,236.66</b>	<b>(- )2.60</b>

\*Balimela Project taken over by O.S.E.B. in 1980-81.

TABLE NO. 10—Contd.

State/U. Ts.	Public Sector		
	Municipalities		
	31-3-81	31-3-80	%Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	..	..	..
Delhi	..	..	..
Central Sector	275.80	275.80	..
<b>SUB-TOTAL</b>	<b>275.80</b>	<b>275.80</b>	<b>..</b>
Gujarat	..	0.72	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>0.72</b>	<b>..</b>
Bihar	..	..	..
Orissa	..	..	..
West Bengal	..	..	..
D.V.C.	..	..	..
Andaman & Nicobar Island	..	..	..
Sikkim	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Andhra Pradesh	..	..	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam	..	..	..
Manipur	..	..	..
Meghalaya	..	..	..
Nagaland	..	..	..
Tripura	..	..	..
Arunachal Pradesh	..	..	..
Mizoram	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL-INDIA)</b>	<b>275.80</b>	<b>276.52</b>	<b>(- )0.20</b>

TABLE NO. 10—Contd.

State/U.Ts'	Private Sector		
	31-3-81	31-3-80	%Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	..	..	..
Delhi	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	..	..	..
Gujarat	327.66	327.50	(- )0.05
Madhya Pradesh	..	..	..
Maharashtra	622.50	622.50	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	950.16	950.00	(- )0.05
Bihar	..	..	..
Orissa	..	..	..
West Bengal	431.52	438.88	(- )1.71
D.V.C.	..	..	..
Andaman & Nicobar Islands	..	..	..
Sikkim	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	431.52	438.88	(- )1.71
Andhra Pradesh	..	..	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	..	..	..
Assam	..	..	..
Manipur	..	..	..
Meghalaya	..	..	..
Nagaland	..	..	..
Tripura	..	..	..
Arunachal Pradesh	..	..	..
Mizoram	..	..	..
<b>SUB-TOTAL</b>	..	..	..
<b>TOTAL (ALL INDIA)</b>	1,381.68	1,368.88	(- )0.54

TABLE NO. 11

*Installed Generating Capacity*  
(UTILITIES ONLY)

Prinemovenwise/Regionwise/Statewise as on 31st March, 1981 (In M.W.)

Region	State/U. Ts.	Hydro		
		31-3-1981	31-3-80	% Increase
<i>Northern Region</i>	Haryana	659.51	659.51	..
	Himachal Pradesh	126.02	111.02	13.51
	Jammu & Kashmir	176.92	176.92	..
	Punjab	1,082.26	1,082.26	..
	Rajasthan	648.73	648.73	..
	Uttar Pradesh	1,219.94	1,147.94	6.27
	Chandigarh	..	..	..
	Delhi	..	..	..
	Central Sector	120.00	120.00	..
	<b>SUB-TOTAL</b>	<b>4,033.38</b>	<b>3,946.38</b>	<b>2.20</b>
<i>Western Region</i>	Gujarat	300.00	300.00	..
	Madhya Pradesh	193.00	193.00	..
	Maharashtra	1,317.30	1,297.30	1.54
	Goa, Daman, Diu	..	..	..
	D & N. Haveli	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>1,810.30</b>	<b>1,790.30</b>	<b>1.12</b>
<i>Eastern Region</i>	Bihar	150.00	85.00	76.47
	Orissa	664.42	664.42	..
	West Bengal	38.51	38.51	..
	D.V.C.	104.00	104.00	..
	A. & N. Islands	..	..	..
	Sikkim	2.95	2.95	..
	Central Sector	12.00	12.00	..
	<b>SUB-TOTAL</b>	<b>971.88</b>	<b>906.88</b>	<b>7.17</b>
<i>Southern Region</i>	Andhra Pradesh	977.93	877.93	11.39
	Karnataka	1,469.80	1,334.80	10.11
	Kerala	1,011.50	1,011.50	..
	Tamil Nadu	1,369.00	1,369.00	..
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>4,828.23</b>	<b>4,593.23</b>	<b>5.12</b>
<i>North-eastern Region</i>	Assam	..	..	..
	Manipur	0.60	0.60	..
	Meghalaya	126.71	126.71	..
	Nagaland	1.50	1.50	..
	Tripura	10.00	10.00	..
	Arunachal Pradesh	8.62	8.37	2.99
	Mizoram	..	..	..
		<b>SUB-TOTAL</b>	<b>147.43</b>	<b>147.18</b>
	<b>TOTAL (ALL INDIA)</b>	<b>11,871.22</b>	<b>11,383.97</b>	<b>3.58</b>

TABLE NO. 11—Contd.

State/Uts.	STEAM		
	31-3-81	31-3-80	% increase
Haryana . . . . .	477.50	417.50	14.37
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	22.50	22.50	..
Punjab . . . . .	440.00	440.00	..
Rajasthan . . . . .	153.00	158.00	(-)-3.16
Uttar Pradesh . . . . .	2,373.10	2,173.10	9.20
Chandigarh . . . . .	..	..	..
Delhi . . . . .	255.80	255.80	..
Central Sector . . . . .	510.00	510.00	..
<b>SUB-TOTAL</b> . . . . .	<b>4,231.90</b>	<b>3,976.90</b>	<b>6.41</b>
Gujarat . . . . .	1,840.00	18,55.00*	(-)-0.81
Madhya Pradesh . . . . .	1,437.50	1,335.00	7.68
Maharashtra . . . . .	2,675.00	22,55.00	18.63
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	96.00	96.00	..
<b>SUB-TOTAL</b> . . . . .	<b>6,048.50</b>	<b>5,541.00</b>	<b>9.16</b>
Bihar . . . . .	778.60	792.50	(-)-1.77
Orissa . . . . .	258.25	258.25	..
West Bengal . . . . .	1,561.28	1,448.88	7.76
D.V.C. . . . .	1,317.50	1,317.50	..
A. & N. Islands . . . . .	1.10	1.10	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3,916.73</b>	<b>3,818.23</b>	<b>2.58</b>
Andhra Pradesh . . . . .	1,242.50	1,032.50	20.34
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	960.00	960.00	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	600.00	600.00	..
<b>SUB-TOTAL</b> . . . . .	<b>2,802.50</b>	<b>2,592.50</b>	<b>8.10</b>
Assam . . . . .	120.00	60.00	100.00
Manipur . . . . .	..	..	..
Meghalaya . . . . .	2.50	2.50	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>122.50</b>	<b>62.50</b>	<b>96.00</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>17,122.13</b>	<b>15,991.13</b>	<b>7.07</b>

\*Includes 15.00 MW Capacity of Bhavnagar Electricity Co. which was taken over by G.E.B. and the sets were closed under disposal.



TABLE NO. 11—Contd.

State/Uts.	DIESEL		
	31-3-81	31-3-80	% Increase
Haryana	3.92	3.92	..
Himachal Pradesh	2.51	2.51	..
Jammu & Kashmir	6.76	6.76	..
Punjab	14.08	14.08	..
Rajasthan	8.49	12.85	(- )33.93
Uttar Pradesh	6.12	6.12	..
Chandigarh	2.00	2.00	..
Delhi	20.00	20.00	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>63.88</b>	<b>68.24</b>	<b>(- )6.39</b>
Gujarat	2.66	3.22	(- )17.39
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>2.66</b>	<b>3.22</b>	<b>(- )17.39</b>
Bihar	12.95	12.95	..
Orissa	0.25	0.25	..
West Bengal	26.09	23.15	12.70
D.V.C.	..	..	..
A. & N. Islands	5.83	4.91	18.74
Sikkim	0.37	0.37	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>45.49</b>	<b>41.63</b>	<b>9.27</b>
Andhra Pradesh	..	..	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	1.58	1.58	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>1.58</b>	<b>1.58</b>	<b>..</b>
Assam	20.28	20.28	..
Manipur	14.40	14.40	..
Meghalaya	1.95	1.95	..
Nagaland	3.62	2.16	67.59
Tripura	5.98	5.98	..
Arunachal Pradesh	2.10	2.40	(- )12.50
Mizoram	4.39	2.89	51.90
<b>SUB-TOTAL</b>	<b>52.72</b>	<b>50.06</b>	<b>5.31</b>
<b>TOTAL (ALL INDIA)</b>	<b>166.33</b>	<b>164.73</b>	<b>0.97</b>

TABLE NO. 11—Contd.

State/Uts.	GAS		
	31-3-81	31-3-80	% Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	12.50	12.50	..
Chandigarh	..	..	..
Delhi	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>12.50</b>	<b>12.50</b>	<b>..</b>
Gujarat	54.00	54.00	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>54.00</b>	<b>54.00</b>	<b>..</b>
Bihar	..	..	..
Orissa	..	..	..
West Bengal	100.00	100.00	..
D.V.C.	..	..	..
A. & N. Islands	..	..	..
Sikkim	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>100.00</b>	<b>100.00</b>	<b>..</b>
Andhra Pradesh	20.00	20.00	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>20.00</b>	<b>20.00</b>	<b>..</b>
Assam	87.50	81.50	7.36
Manipur	..	..	..
Meghalaya	..	..	..
Nagaland	..	..	..
Tripura	..	..	..
Arunachal Pradesh	..	..	..
Mizoram	..	..	..
<b>SUB-TOTAL</b>	<b>87.50</b>	<b>81.50</b>	<b>7.36</b>
<b>TOTAL (ALL INDIA)</b>	<b>274.00</b>	<b>268.00</b>	<b>2.24</b>

TABLE No. 11—Contd.

State/Uts.	NUCLEAR		
	31-3-81	31-3-80	% Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	..	..	..
Delhi	..	..	..
Central Sector	440.00	220.00	100.00
<b>SUB-TOTAL</b>	<b>440.00</b>	<b>220.00</b>	<b>100.00</b>
Gujarat	..	..	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	420.00	420.00	..
<b>SUB-TOTAL</b>	<b>420.00</b>	<b>420.00</b>	<b>..</b>
Bihar	..	..	..
Orissa	..	..	..
West Bengal	..	..	..
D.V.C.	..	..	..
A. & N. Islands	..	..	..
Sikkim	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Andhra Pradesh	..	..	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam	..	..	..
Manipur	..	..	..
Meghalaya	..	..	..
Nagaland	..	..	..
Tripura	..	..	..
Arunachal Pradesh	..	..	..
Mizoram	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>860.00</b>	<b>640.00</b>	<b>34.38</b>

TABLE NO. 12

Installed Generating Capacity of State Electricity Boards—Prima-movencia  
As on 31st March, 1981

Region	State/U.Ts.	HYDRO		
		31-3-81	31-3-80	% Increase
Northern Region	Haryana	659.51	659.51	..
	Himachal Pradesh	126.02	111.02	13.51
	Jammu & Kashmir	176.92	176.92	..
	Punjab	1082.26	1,082.26	..
	Rajasthan	648.73	648.73	..
	Uttar Pradesh	1,219.94	1,147.94	6.27
	<b>SUB-TOTAL</b>	<b>3,913.38</b>	<b>3,826.38</b>	<b>2.27</b>
Western Region	Gujarat	300.00	300.00	..
	Madhya Pradesh	193.00	193.00	..
	Maharashtra	1,032.30	1,012.30	1.98
	<b>SUB-TOTAL</b>	<b>1,525.30</b>	<b>1,505.30</b>	<b>1.33</b>
Eastern Region	Bihar	130.00	65.00	100.00
	Orissa	630.00	270.00	133.33
	West Bengal	38.51	38.51	..
	<b>SUB-TOTAL</b>	<b>798.51</b>	<b>373.51</b>	<b>113.79</b>
Southern Region	Andhra Pradesh	840.00	740.00	13.51
	Karnataka	531.20	396.20	34.07
	Kerala	1,011.50	1,011.50	..
	Tamil Nadu	1,369.00	1,369.00	..
	<b>SUB-TOTAL</b>	<b>3,751.70</b>	<b>3,516.70</b>	<b>6.68</b>
North Eastern Region	Assam	..	..	..
	Meghalaya	126.71	126.71	..
	<b>SUB-TOTAL</b>	<b>126.71</b>	<b>126.71</b>	<b>..</b>
	<b>TOTAL (ALL BOARDS)</b>	<b>10,115.60</b>	<b>9,348.60</b>	<b>8.20</b>

TABLE NO. 12—Contd.

State/U.Ts.	STEAM		
	31-3-81	31-3-80	% Increase
Haryana . . . . .	477.50	417.50	14.37
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	22.50	22.50	..
Punjab . . . . .	440.00	440.00	..
Rajasthan . . . . .	153.00	158.00	(—)3.16
Uttar Pradesh . . . . .	2,373.10	2,173.10	9.20
SUB-TOTAL . . . . .	3,466.10	3,211.10	7.94
Gujarat . . . . .	1,512.50	1,527.50	(—)0.98
Madhya Pradesh . . . . .	1,437.50	1,335.00	7.68
Maharashtra . . . . .	2,337.50	1,917.50	21.90
SUB-TOTAL . . . . .	5,287.50	4,780.00	10.62
Bihar . . . . .	778.50	792.50	(—)1.77
Orissa . . . . .	258.25	258.25	..
West Bengal . . . . .	845.00	725.00	16.55
SUB-TOTAL . . . . .	1,881.75	1,775.75	5.97
Andhra Pradesh . . . . .	1,242.50	1,032.50	20.34
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	960.00	960.00	..
SUB-TOTAL . . . . .	2,202.50	1,992.50	10.54
Assam . . . . .	120.00	60.00	100.00
Meghalaya . . . . .	2.50	2.50	..
SUB-TOTAL . . . . .	122.50	62.50	96.00
TOTAL (ALL BOARDS) . . . . .	12,960.35	11,821.85	9.63

TABLE NO. 12—Contd.

State/UTs.	DIESEL		
	31-3-81	31-3-80	% Increase
Haryana . . . . .	3.92	3.92	..
Himachal Pradesh . . . . .	2.51	2.51	..
Jammu & Kashmir . . . . .	6.76	6.76	..
Punjab . . . . .	14.08	14.08	..
Rajasthan . . . . .	8.49	12.85	(—)33.93
Uttar Pradesh . . . . .	6.12	6.12	..
<b>SUB-TOTAL</b>	<b>41.88</b>	<b>46.24</b>	<b>(—)9.43</b>
Gujarat . . . . .	2.50	2.50	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>2.50</b>	<b>2.50</b>	<b>..</b>
Bihar . . . . .	12.95	12.95	..
Orissa . . . . .	0.25	0.25	..
West Bengal . . . . .	25.95	23.15	12.09
<b>SUB-TOTAL</b>	<b>39.15</b>	<b>36.35</b>	<b>7.70</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	20.28	20.28	..
Meghalaya . . . . .	1.95	1.95	..
<b>SUB-TOTAL</b>	<b>22.23</b>	<b>22.23</b>	<b>..</b>
<b>TOTAL (ALL BOARDS)</b>	<b>105.76</b>	<b>107.32</b>	<b>(—)1.45</b>

TABLE NO. 12—Contd.

State/UTs.	GAS		
	31-3-81	31-3-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	12.50	12.50	..
<b>SUB-TOTAL</b> . . . . .	<b>12.50</b>	<b>12.50</b>	<b>..</b>
Gujarat . . . . .	54.00	54.00	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>54.00</b>	<b>54.00</b>	<b>..</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	100.00	100.00	..
<b>SUB-TOTAL</b> . . . . .	<b>100.00</b>	<b>100.00</b>	<b>..</b>
Andhra Pradesh . . . . .	20.00	20.00	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>20.00</b>	<b>20.00</b>	<b>..</b>
Assam . . . . .	87.50	81.50	7.36
Meghalaya . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>87.50</b>	<b>81.50</b>	<b>7.36</b>
<b>TOTAL (ALL BOARDS)</b> . . . . .	<b>274.00</b>	<b>268.00</b>	<b>2.24</b>

TABLE No. 12—Contd.

State/U.Ts.	TOTAL		
	31-3-81	31-3-80	% Increase
Haryana . . . . .	1,140.93	1,080.93	5.55
Himachal Pradesh . . . . .	128.53	113.53	13.21
Jammu & Kashmir . . . . .	206.18	206.18	..
Punjab . . . . .	1,536.34	1,536.34	..
Rajasthan . . . . .	810.22	819.58	(-)-1.14
Uttar Pradesh . . . . .	3,611.66	3,339.66	8.14
<b>SUB-TOTAL</b> . . . . .	<b>7,433.86</b>	<b>7,096.22</b>	<b>4.76</b>
Gujarat . . . . .	1,869.00	1,884.00	(-)-0.80
Madhya Pradesh . . . . .	1,630.50	1,528.00	6.71
Maharashtra . . . . .	3,369.80	2,929.80	15.02
<b>SUB-TOTAL</b> . . . . .	<b>6,869.30</b>	<b>6,341.80</b>	<b>8.32</b>
Bihar . . . . .	921.45	870.45	5.86
Orissa . . . . .	888.50*	528.50	68.12*
West Bengal . . . . .	1,009.46	886.66	13.85
<b>SUB-TOTAL</b> . . . . .	<b>2,819.41</b>	<b>2,285.61</b>	<b>23.35</b>
Andhra Pradesh . . . . .	2,102.50	1,792.50	17.29
Karnataka . . . . .	531.20	396.20	34.07
Kerala . . . . .	1,011.50	1,011.50	..
Tamil Nadu . . . . .	2,329.00	2,329.00	..
<b>SUB-TOTAL</b> . . . . .	<b>597.20</b>	<b>557.20</b>	<b>8.05</b>
Assam . . . . .	227.78	161.78	40.80
Meghalaya . . . . .	131.16	131.16	..
<b>SUB-TOTAL</b> . . . . .	<b>358.94</b>	<b>292.94</b>	<b>22.53</b>
<b>TOTAL (ALL BOARDS)</b> . . . . .	<b>23,455.71</b>	<b>21,545.77</b>	<b>8.86</b>

Note : There is no nuclear power station under any State Electricity Board.

\*Includes Balimela Power Station of 360.00 M.W. which was taken over by S.E.B. from State Govt. Electrcy. Department.



TABLE No. 13

Installed Generating capacity of Electricity Department/Govt. Undertakings, Municipalities & Private Sector

Prinemoverwise-Regionwise as on 31-3-1981

Ownership	TOTAL			
	31-3-81	31-3-80	% Increase	
<i>I. Electricity Department/ Govt. Undertaking / Corporation/ Central sector.</i>				
<i>Northern Region</i>	Chandigarh	2.00	2.00	..
	Central Sector	1,070.00	850.00	25.88
<i>Western Region</i>	Central Sector	516.00	516.00	..
<i>Eastern Region.</i>	Bihar	20.00	20.00	..
	Orissa	34.42	394.42	(- )91.27
	Sikkim	3.32	3.32	..
	West Bengal	285.00	285.00	..
	D.V.C.	1,421.50	1,421.50	..
	A. & N. Islands	6.93	6.01	15.31
	Central Sector	12.00	12.00	..
<i>Southern Region</i>	Andhra Pradesh	137.93	137.93	..
	Karnataka	938.60	938.60	..
	Lakshadweep	1.58	1.58	..
	Central Sector	600.00	600.00	..
<i>North Eastern Region</i>	Manipur	15.00	15.00	..
	Nagaland	5.12	3.66	38.89
	Tripura	15.98	15.98	..
	Arunachal Pradesh	10.72	10.77	(- )0.46
	Mizoram	4.39	2.89	51.90
	TOTAL (I)	5,100.49	5,236.66	(- )2.60
<i>II. Municipalities :</i>				
<i>Northern Region</i>	Delhi	275.80	275.80	..
<i>Western Region</i>	Gujarat	..	0.72	..
<i>Eastern Region.</i>	West Bengal	..	..	..
	TOTAL (II)	275.80	276.52	(- )0.26
<i>III. Private Licensees :</i>				
<i>Western Region</i>	Gujarat	327.66	327.50	0.05
	Maharashtra	622.50	622.50	..
<i>Eastern Region.</i>	West Bengal	431.52	438.88	(- )1.71
<i>North Eastern Region</i>	Meghalaya	..	..	..
	TOTAL (III)	1,381.68	1,388.88	(- )0.54

TABLE NO. 13—Contd.

Ownership	HYDRO		
	31-3-81	31-3-80	% Increase
<i>I. Electricity Deptt./ Govt. Undertaking/ Corporation/ Central Sector.</i>			
<i>Northern Region</i>	Chandigarh	..	..
	Central Sector	120.00	120.00
<i>Western Region</i>	Central Sector	..	..
<i>Eastern Region.</i>	Bihar	20.00	20.00
	Orissa	34.42	394.42 (-)91.27
	Sikkim	2.95	2.95
	West Bengal	..	..
	D.V.C.	104.00	104.00
	A. & N. Islands	..	..
	Central Sector	12.00	12.00
<i>Southern Region</i>	Andhra Pradesh	137.93	137.93
	Karnataka	938.60	938.60
	Lakshadweep	..	..
	Central Sector	..	..
<i>North Eastern Region</i>	Manipur	0.60	0.60
	Nagaland	1.50	1.50
	Tripura	10.00	10.00
	Arunachal Pradesh	8.62	8.37 2.99
	Mizoram	..	..
	<b>TOTAL (I)</b>	<b>1,390.62</b>	<b>1,750.37 (-)20.55</b>
<i>II. Municipalities :</i>			
<i>Northern Region</i>	Delhi	..	..
<i>Western Region</i>	Gujarat	..	..
<i>Eastern Region.</i>	West Bengal	..	..
	<b>TOTAL (II)</b>	<b>..</b>	<b>..</b>
<i>III. Private Licensees :</i>			
<i>Western Region</i>	Gujarat	..	..
	Maharashtra	285.00	285.00
<i>Eastern Region.</i>	West Bengal	..	..
<i>Noth Eastern Region</i>	Meghalaya	..	..
	<b>TOTAL (III)</b>	<b>285.00</b>	<b>285.00</b>

TABLE NO. 13—Contd.

Ownership	STEAM		
	31-3-81	31-3-80	% Increase
<i>I. Electricity Deptt. Govt. Undertaking Corporation Central Sector :</i>			
<i>Northern Region</i>	Chandigarh	..	..
	Central Sector	510.00	510.00
<i>Western Region</i>	Central Sector	96.00	96.00
<i>Eastern Region.</i>	Bihar	..	..
	Orissa	..	..
	Sikkim	..	..
	West Bengal	285.00	285.00
	D.V.C.	1,317.50	1,317.50
	A. & N. Islands	1.10	1.10
	Central Sector	..	..
<i>Southern Region</i>	Andhra Pradesh	..	..
	Karnataka	..	..
	Lakshadweep	..	..
	Central Sector	600.00	600.00
<i>North Eastern Region</i>	Manipur	..	..
	Nagaland	..	..
	Tripura	..	..
	Arunachal Pradesh	..	..
	Mizoram	..	..
	<b>TOTAL (I)</b>	<b>2,809.60</b>	<b>2,809.60</b>
<i>II. Municipalities :</i>			
<i>Northern Region</i>	Delhi	255.80	255.80
<i>Western Region</i>	Gujarat	..	..
<i>Eastern Region.</i>	West Bengal	..	..
	<b>TOTAL (II)</b>	<b>255.80</b>	<b>255.80</b>
<i>III. Private Licensees :</i>			
<i>Western Region</i>	Gujarat	327.50	327.50
	Maharashtra	337.50	337.50
<i>Eastern Region.</i>	West Bengal	431.38	438.88
	(—)1.71		
<i>North Eastern Region</i>	Meghalaya	..	..
	<b>TOTAL (III)</b>	<b>1,096.38</b>	<b>1,103.88</b>
			(—)0.68

TABLE NO. 13—Contd.

Ownership	DIESEL			
	31-3-81	31-3-80	% Increase	
	<i>I. Electricity Deptt./ Govt. Undertaking / Corporation/ Central Sector.</i>			
<i>Northern Region</i>	Chandigarh	2.00	2.00	..
	Central Sector	..	..	..
<i>Western Region</i>	Central Sector	..	..	..
<i>Eastern Region.</i>	Bihar	..	..	..
	Orissa	..	..	..
	Sikkim	0.37	0.37	..
	West Bengal	..	..	..
	D.V.C.	..	..	..
	A. & N. Islands	5.83	4.91	18.74
	Central Sector	..	..	..
<i>Southern Region</i>	Andhra Pradesh	..	..	..
	Karnataka	..	..	..
	Lakshadweep	1.58	1.58	..
	Central Sector	..	..	..
<i>North Eastern Region</i>	Manipur	14.40	14.40	..
	Nagaland	3.62	2.16	67.59
	Tripura	5.98	5.98	—
	Arunachal Pradesh	2.10	2.40	(- )12.50
	Mizoram	4.39	2.89	51.90
	<b>TOTAL (I)</b>	<b>40.27</b>	<b>36.69</b>	<b>9.76</b>
	<i>II. Municipalities :</i>			
<i>Northern Region</i>	Delhi	20.00	20.00	..
<i>Western Region</i>	Gujarat	..	0.72	..
<i>Eastern Region.</i>	West Bengal	..	..	..
	<b>TOTAL (II)</b>	<b>20.00</b>	<b>20.72</b>	<b>(- )3.47</b>
	<i>III. Private Licensees :</i>			
<i>Western Region</i>	Gujarat	0.16	..	..
	Maharashtra	..	..	..
<i>Eastern Region.</i>	West Bengal	0.14	..	..
<i>North Eastern Region</i>	Meghalaya	..	..	..
	<b>TOTAL (III)</b>	<b>0.30</b>	..	..

TABLE NO. 13—Contd.

Ownership	NUCLEAR		
	31-3-81	31-3-80	% Increase
	<i>I. Electricity Deptt./ Govt. Undertaking / Corporation/ Central Sector :</i>		
<i>Northern Region</i>			
	Chandigarh	..	..
	Central Sector	440.00	220.00 100.00
<i>Western Region</i>	Central Sector	420.00	420.00 ..
<i>Eastern Region.</i>	Bihar	..	..
	Orissa	..	..
	Sikkim	..	..
	West Bengal	..	..
	D.V.C.	..	..
	A. & N. Islands	..	..
<i>Southern Region</i>	Andhra Pradesh	..	..
	Karnataka	..	..
	Lakshadweep	..	..
	Central Sector	..	..
<i>North Eastern Region</i>	Manipur	..	..
	Nagaland	..	..
	Tripura	..	..
	Arunachal Pradesh	..	..
	Mizoram	..	..
	<b>TOTAL (I)</b>	<b>860.00</b>	<b>640.00 34.38</b>
	<i>II. Municipalities</i>		
<i>Northern Region</i>	Delhi	..	..
<i>Western Region</i>	Gujarat	..	..
<i>Eastern Region.</i>	West Bengal	..	..
	<b>TOTAL (II)</b>	<b>..</b>	<b>..</b>
	<i>III. Private Licensees</i>		
<i>Western Region</i>	Gujarat	..	..
	Maharashtra	..	..
<i>Eastern Region.</i>	West Bengal	..	..
<i>North Eastern Region</i>	Meghalaya	..	..
	<b>TOTAL (III)</b>	<b>..</b>	<b>..</b>

TABLE No. 14

*Addition in Generation Capacity  
(UTILITIES ONLY)*

(A) (HYDRO) During the Year 1980-81

Sl. No.	Installed at	State (Ownership)	Date of Addition	No. of sets	Capacity of each set (MW)	Total capacity (MW)
1.	Bassi Extn. I . . . . .	Himachal Pradesh (S.E.B.) . . . . .	10-1-81	1	15	15
2.	Garhwal-Rishi-Kesh-Chilla . . . . .	Uttar Pradesh (S.E.B.) . . . . .	17-11-80 & 8-3-81	2	36	72
3.	Koyna Dam Unit-II . . . . .	Maharashtra (S.E.B.) . . . . .	16-3-81	1	20	20
4.	Nagarjuna Sagar (Unit-II) . . . . .	A.P. (S.E.B.) . . . . .	11-1-81	1	100	100
5.	Kalinadi St-I (Unit-II) . . . . .	Karnataka (S.E.B.) . . . . .	6-9-80	1	135	135
6.	Subarnarekha (Unit-II) . . . . .	Bihar (S.E.B.) . . . . .	18-10-80	1	65	65
7.	Yingkieng Unit-I . . . . .	Arunachal Pradesh (Govt. Deptt.) . . . . .	6-7-80	1	0.05	0.05
8.	Seppa Unit-I & II . . . . .	Arunachal Pradesh (Govt. Deptt.) . . . . .	Oct. ' 80	2	0.10	0.20
<b>TOTAL (HYDRO) . . . . .</b>				<b>10</b>		<b>407.25</b>

TABLE No. 14—Contd.

(B) STEAM GAS AND NUCLEAR

Sl. No.	Installed at	State (Ownership)	Date of Addition	No. of Sets	Capacity of each set (MW)	Total Capacity (MW)
1.	Obra (Unit xii) . . . . .	Uttar Pradesh (S.E.B.) . . . . .	28-3-81	1	200	200
2.	Parlbad (Unit iii) . . . . .	Haryana (S.E.B.) . . . . .	20-3-81	1	60	60
3.	Korba East (St. IV) . . . . .	Madhya Pradesh (S.E.B.) . . . . .	31-3-80	1	120	120
4.	Nasik (Unit IV) . . . . .	Maharashtra (S.E.B.) . . . . .	10-10-80	1	210	210
5.	Parli (Unit III) . . . . .	Maharashtra (S.E.B.) . . . . .	10-10-80	1	210	210
6.	Vijayawada (Unit II) . . . . .	Andhra Pradesh (S.E.B.) . . . . .	10-10-80	1	210	210
7.	Santalidih (Unit IV) . . . . .	West Bengal (S.E.B.) . . . . .	30-3-81	1	120	120
8.	Bongaigaon (Unit I) . . . . .	Assam (S.E.B.) . . . . .	11-3-81	1	60	60
9.	Mobile Gas* turbine (Unit I & II)	Assam (S.E.B.) . . . . .	22-3-81	2	3	6
10.	**R.A.P.P. (Unit II) (Nuclear) . . . . .	Rajasthan (Central Sector) . . . . .	1-11-80	1	220	220
<b>(SUB-TOTAL) . . . . .</b>				<b>11</b>		<b>1,416.00</b>
<b>TOTAL (Hydro + Steam + Gas + Nuclear)</b>				<b>21</b>		<b>1,829.31@</b>

\*\*Nuclear Station

@Includes 6.05 MW addition in diesel Capacity

\* Gas STATION

S. E. B. :- State Electricity Boards

6-459 C.E.A.(ND)/83

TABLE NO. 15

*Addition/Deletion of Plant Capacity*  
Primemoverwise/Regionwise/Statewise During the Year 1980-81

(IN MW)

Region	Name of State/UTs.	Hydro	Steam	Diesel
<i>Northern Region</i>	Haryana	..	60.00	..
	Himachal Pradesh	15.00	..	..
	Jammu & Kashmir	..	..	..
	Punjab	..	..	..
	Rajasthan	..	(-) <b>5.00(A)</b>	(-) <b>4.36(F)</b>
	Uttar Pradesh	72.00	200.00	..
	Central Sector	..	..	..
	B.B.M.B.	..	..	..
	<b>SUB-TOTAL</b>	<b>87.00</b>	<b>255.00</b>	<b>(-)<b>4.36</b></b>
<i>Western Region</i>	Gujarat	..	(-) <b>15.00(B)</b>	<b>0.56 (G)</b>
	Madhya Pradesh	..	120.00	..
	Maharashtra	20.00	(-) <b>17.50(C)</b> 420.00	..
	<b>SUB-TOTAL</b>	<b>20.00</b>	<b>507.00</b>	<b>(-)<b>0.56</b></b>
<i>Eastern Region</i>	Bihar	65.00	(-) <b>14.00(D)</b>	..
	Orissa	..	..	..
	West Bengal	..	120.00 7.50 (E)	2.94(H)
	D.V.C.	..	..	..
	A. & N. Islands	..	..	0.92(I)
	Sikkim	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>65.00</b>	<b>98.50</b>	<b>3.86</b>
<i>Southern Region</i>	Andhra Pradesh	100.00	210.00	..
	Karnataka	135.00	..	..
	Tamil Nadu	..	..	..
	Lakshadweep	..	..	..
	<b>SUB-TOTAL</b>	<b>235.00</b>	<b>210.00</b>	<b>..</b>
<i>North Eastern Region</i>	Assam	..	60.00	..
	Manipur	..	..	..
	Meghalaya	..	..	..
	Nagaland	..	..	1.46(J)
	Tripura	..	..	..
	Arunachal Pradesh	0.25	..	(-) <b>0.30 (K)</b>
	Mizoram	..	..	1.50 (L)
	<b>SUB-TOTAL</b>	<b>0.25</b>	<b>60.00</b>	<b>2.66</b>
	<b>TOTAL (ALL INDIA)</b>	<b>407.25</b>	<b>1131.00</b>	<b>1.60</b>

TABLE No. 15—Contd.

Name of State/Uts.	Gas	Nuclear	Total		
Haryana . . . . .	..	..	60.00		
Himachal Pradesh . . . . .	..	..	15.00		
Jammu & Kashmir . . . . .	..	..	..		
Punjab . . . . .	..	..	..		
Rajasthan . . . . .	..	..	(-)9.36		
Uttar Pradesh . . . . .	..	..	(-)272.00		
Central Sector . . . . .	..	220.00	220.00		
B.B.M.B. . . . .	..	..	..		
<b>SUB-TOTAL</b> . . . . .	..	220.00	557.64		
Gujarat . . . . .	..	..	(-)15.56		
Madhya Pradesh . . . . .	..	..	102.50		
Maharashtra . . . . .	..	..	440.00		
<b>SUB-TOTAL</b> . . . . .	..	..	526.94		
Bihar . . . . .	..	..	51.00		
Orissa . . . . .	..	..	..		
West Bengal . . . . .	..	..	115.44		
D.V.C. . . . .	..	..	..		
A. & N. Islands- Sikkim . . . . .	..	..	0.92		
Central Sector . . . . .	..	..	..		
<b>SUB-TOTAL</b> . . . . .	..	..	167.36		
Andhra Pradesh . . . . .	..	..	310.00		
Karnataka . . . . .	..	..	135.00		
Tamil Nadu . . . . .	..	..	..		
Lakshadweep . . . . .	..	..	..		
<b>SUB-TOTAL</b> . . . . .	..	..	445.00		
Assam . . . . .	6.00	..	66.00		
Manipur . . . . .	..	..	..		
Meghalaya . . . . .	..	..	..		
Nagaland . . . . .	..	..	1.46		
Tripura . . . . .	..	..	..		
Arunachal Pradesh . . . . .	..	..	(-)0.05		
Mizoram . . . . .	..	..	1.50		
<b>SUB-TOTAL</b> . . . . .	6.00	..	68.91		
<b>TOTAL (ALL INDIA)</b> . . . . .	6.00	220.00	1,765.85		
<b>TOTAL</b>	<b>Hydro</b>	<b>Steam</b>	<b>Diesel</b>	<b>Gas</b>	<b>Nuclear</b>
Gross Addition . . . . .	1,830.19	407.25	1,190.00	6.94	220.00
Deletion/Retirements . . . . .	(-)65.10	..	(-)59.00	(-)6.10	..
Reporting differences . . . . .	(+)0.72	..	..	(+)0.76	..
<b>NET ADDITION</b> . . . . .	1,765.85	407.25	1,131.00	1.60	220.00



TABLE NO. 15—*Contd.***NOTE :**

- (A) 2.00 MW of Kota & 3.00 MW of Bikaner Steam Power Stations have been deleted.
- (B) 15.00 MW of Bhawnagar Steam Power Station has been deleted.
- (C) 2.50 MW of Saugar & 15.00 MW of Jabalpur Steam Power Stations have been deleted.
- (D) 14.00 MW of Sijua Jherriah Steam Power Station has been taken over by Bharat Coking Coal Ltd., for using it as captive plant.
- (E) 7.50 MW of Southern Steam Power Station (C.E.S.C.) has been deleted.
- (F) Deletion of 4.68 MW in different diesel power stations & (+) 0.32 MW at Bikaner diesel power station as reporting difference.
- (G) Deletion of 0.72 MW in Patan (municipality) & addition of 0.16 MW at Surat Co.
- (H) Addition of 4.08 MW, deletion of 0.40 MW and (—)0.74 as reporting difference in different diesel power stations
- (I) Addition of 0.88 MW in Phoenix Bay and 0.04 MW as reporting difference.
- (J) Addition of 1.50 MW in Dimapur diesel power house and (—)0.04 MW as reporting difference.
- (K) Deletion of 0.30 MW in diesel power station.
- (L) 1.50 MW addition in capacity in diesel power station as reporting difference.

**TABLE No. 16**  
*Classification of Undertakings \*Capacitywise*  
 As on 31-3-1981

Range of installed capacity (M.W.)	No. of Under- takings	Aggregate ins- talled capacity of the group (MW)	% to Total Installed capacity	Energy gene- rated by the group (GWH)	% to total generation
Upto 1.00 . . . . .	2	0.30	Neg.	0.44	Neg.
Over 1.00 and Upto 5.00 . . . . .	4	11.29	0.04	5.85	0.01
Over 5.00 and upto 10.00 . . . . .	3	20.43	0.07	58.20	0.03
Over 10.00 and Upto 25.00 . . . . .	6	91.70	0.30	178.65	0.16
Over 25.00 and Upto 50.00 . . . . .	..	..	..	..	..
Over 50.00 and Upto 100.00 . . . . .	2	168.00	0.56	495.90	0.45
Above 100.00 . . . . .	31	29,921.96	99.03	110,124.92	99.35
<b>TOTAL . . . . .</b>	<b>48</b>	<b>30,213.68</b>	<b>100.00</b>	<b>110,843.96</b>	<b>100.00</b>

Neg. : Negligible.

\* 1 Generating.

TABLE No. 17

Classification of power Stations capacitywise as on 31-3-9181

Range of installed Station Capacity (M.W.)	No. of generating stations	Installed capacity Group Total (MW)	Percentage of Total Capacity
<i>Hydro Stations</i>			
Upto 1.00 . . . . .	41	14.90	0.12
Over 1.00 upto 10.00 . . . . .	27	99.92	0.85
Over 10.00 upto 50.00 . . . . .	40	1,240.15	10.52
Over 50.00 upto 100.00 . . . . .	20	1,400.50	11.88
Over 100.00 upto 500.00 . . . . .	28	6,324.75	53.64
Above 500.00 . . . . .	4	2,711.00	22.99
<b>TOTAL</b> . . . . .	<b>160</b>	<b>11,791.22</b>	<b>100.00</b>
<i>Steam Stations</i>			
Upto 1.00 . . . . .	1	0.75	..
Over 1.00 upto 10.00 . . . . .	13	81.08	0.47
Over 10.00 upto 50.00 . . . . .	22	468.80	2.74
Over 50.00 upto 100.00 . . . . .	15	1,165.00	6.81
Over 100.00 upto 500.00 . . . . .	40	10,922.50	63.79
Above 500.00 . . . . .	7	4,484.00	26.19
<b>TOTAL</b> . . . . .	<b>98</b>	<b>17,122.13</b>	<b>100.00</b>

TABLE No. 17—Contd.

Range of Installed Station Capacity (MW)	Energy Generated by the group (GWH)	Generation % of Total	Average Plant factor of the group	Kwh/Kw.
<i>Hydro Station</i>				
Upto 1.00 . . . . .	16.74	0.04	12.82	1,123
Over 1.00 upto 10.00 . . . . .	331.33	0.71	37.85	3,316
Over 10.00 upto 50.00 . . . . .	4,856.45	10.43	44.70	3,916
Over 50.00 upto 100.00 . . . . .	5,237.49	11.25	42.69	3,740
Over 100.00 upto 500.00 . . . . .	22,436.40	48.21	40.49	3,547
Above 500.00 . . . . .	13,663.35	29.36	57.53	5,040
<b>TOTAL</b> . . . . .	<b>46,541.76</b>	<b>100.00</b>	<b>45.06</b>	<b>3,947</b>
<i>Steam Station</i>				
Upto 1.00 . . . . .	..	..	..	..
Over 1.00 upto 10.00 . . . . .	176.56	0.29	24.86	2,178
Over 10.00 upto 50.00 . . . . .	1,013.17	1.67	24.67	2,161
Over 50.00 upto 100.00 . . . . .	4,420.14	7.28	43.31	3,794
Over 100.00 upto 500.00 . . . . .	38,032.13	62.64	39.75	3,482
Above 500.00 . . . . .	17,071.78	28.12	43.46	3,807
<b>TOTAL</b> . . . . .	<b>60,713.78</b>	<b>100.00</b>	<b>40.48</b>	<b>3,546</b>

TABLE NO. 18

## Classification of sets Prime-moverwise-Capacitywise

As on 31-3-1981

Range of Installed capacity of Sets (MW)	HYDRO			STEAM		
	No of sets.	Installed Capacity (MW)	% to Total	No. of Sets	Installed Capacity (MW)	% to Total
Upto 1.00	150	43.72	0.37	14	12.85	0.08
Over 1.00 and upto 5.00	52	175.30	1.49	57	210.98	1.23
Over 5.00 and upto 10.00	59	483.80	4.10	25	198.95	1.16
Over 10.00 and upto 20.00	76	1,101.15	9.34	37	577.25	3.37
Over 20.00 and upto 30.00	36	899.25	7.63	30	900.00	5.26
Over 30.00 and upto 50.00	53	2,169.00	18.40	28	1,350.60	7.89
Over 50.00 and upto 100.00	66	4,889.00	41.46	61	4,321.50	25.24
Over 100.00 and upto 200.00	15	2,030.00	17.21	55	7,240.00	42.28
Above 200.00	..	..	..	11	2,310.00	13.49
<b>TOTAL</b>	<b>507</b>	<b>11,791.22</b>	<b>100.00</b>	<b>318</b>	<b>17,122.13</b>	<b>100.00</b>

TABLE NO. 18—Contd.

Range of Installed Capacity of Sets (MW)	Gas			Nuclear		
	No. of Sets.	Installed capacity	% to Total	No. of Sets	Installed Capacity	% to Total
Upto 1.00	..	..	..	..	..	..
Over 1.00 and upto 5.00	2	6.00	2.19	..	..	..
Over 5.00 and upto 10.00	2	20.00	7.30	..	..	..
Over 10.00 and upto 20.00	7	125.00	45.62	..	..	..
Over 20.00 and upto 30.00	5	123.00	44.89	..	..	..
Over 30.00 and upto 50.00	..	..	..	..	..	..
Over 50.00 and upto 100.00	..	..	..	..	..	..
Over 100.00 and upto 200.00	..	..	..	..	..	..
Above 200.00	..	..	..	4	860.00	100.00
<b>TOTAL</b>	<b>16</b>	<b>274.00</b>	<b>100.00</b>	<b>4</b>	<b>860.00</b>	<b>100.00</b>

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

**TABLE NO. 19**  
*Classification of Sets — Voltagewise*  
 As on 31-3-1981

Voltage of Generation	Type of Primemover	No. of Sets	Aggregate Capacity (MW)
<i>Alternating Current</i>			
1. 33 KV . . . . .	Steam . . . . .	10	330.00
2. 10.5 KV to 13.8 KV . . . . .	Hydro . . . . .	305	11,397.40
	Steam . . . . .	235	16,272.70
	Gas . . . . .	16	274.00
	Nuclear . . . . .	4	860.00
3. 5 KV to 6.6 KV . . . . .	Hydro . . . . .	45	284.00
	Steam . . . . .	40	431.61
4. 2 KV to 3.9 KV . . . . .	Hydro . . . . .	55	86.91
	Steam . . . . .	30	87.42
5. 400 Voltage to 460 Voltage . . . . .	Hydro . . . . .	102	22.91
	Steam . . . . .	3	0.40
<b>TOTAL</b> . . . . .	Hydro . . . . .	507	11,791.22
	Steam . . . . .	318	17,122.13
	Gas . . . . .	16	274.00
	Nuclear . . . . .	4	860.00

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**SECTION III**  
**GENERATION (UTILITIES)**

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## GENERATION

The All India gross electricity generation by the public utilities was 1,10,843.96 GWH during the year 1980-81 as compared to 1,04,627.26 GWH during 1979-80 thereby registering an increase of 5.94% 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, Diesel, Gas and Nuclear Power Stations were 54.77%, 41.99%, 0.06%, 0.47% & 2.71% respectively during the year 1980-81.

There were 98 steam stations and 160 Hydro Stations existing in the country as on 31st March, 1981 generating 60,713.78 GWH and 46,541.76 GWH respectively. B.B.M.B. Complex the biggest of all the systems resulted in the maximum electricity production of 9,548.14 GWH during the year.

Besides electricity generation by the Public Utilities, during the year under review captive plants of selected industries produced 8,273.63 GWH comprising of 7,102.77 GWH from Steam, 15.06 GWH from Hydro, 1,053.98 GWH from Diesel and 101.82 GWH from Gas Turbine plants respectively. Apart from the above, Electricity Generation from captive plants of Railways was 42.42 GWH which comprised of 28.84 GWH from Steam and 13.58 GWH from Diesel plants respectively.

To sum up, total electricity production in the country including that from captive plants during the year 1980-81 was 1,19,160.01 GWH as compared to 1,12,819.97 GWH during the year 1979-80, recording an increase of 5.62%.

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

TABLE No. 20

*Gross Energy Generation in the Country*  
(UTILITIES AND NON UTILITIES)  
Primumoverwise During the Year 1980-81

(GWH)					
Category	Year	Total	Hydro	Steam	
Utilities . . . . .	1980-81	1,10,843.96	46,541.76	60,713.78	
	1979-80	1,04,627.26	45,477.55	55,719.83	
	% increase	5.94	2.34	8.96	
Non-Utilities . . . . .	Selected Industries (I)	1980-81	8,373.63	15.06	7,202.77
		1979-80	8,157.04	15.06	7,225.60
		% increase	2.66	..	(-)-0.32
	Railways (II)	1980-81	42.42	..	28.84
		1979-80	35.67	..	25.63
		% increase	18.92	..	12.52
	Total Non-Utilities (I+II)	1980-81	8,416.05	15.06	7,231.61
		1979-80	8,192.71	15.06	7,251.23
		% increase	2.73	..	(-)-0.27
All India Gross Generation (Utilities + Non-utilities)	1980-81	1,19,260.01	46,556.82	67,945.39	
	1979-80	112,819.97	45,492.61	62,971.06	
	% increase	5.71	2.34	7.90	

TABLE No. 20—Contd

(In GWH)				
Category	Year	Diesel	Gas	Nuclear
Utilities . . . . .	1980-81	65.08	522.00	3001.34
	1979-80	53.32	499.97	2,876.59
	% increase	22.06	4.41	4.34
Selected Industries (I) . . . . .	1980-81	1,053.98	101.82	..
	1979-80	825.71	90.67	..
	% increase	27.64	12.30	..
Railways (II) . . . . .	1980-81	13.58	..	..
	1979-80	10.04	..	..
	% increase	35.26	..	..
Total Non-Utilities (I)+(II)	1980-81	1,067.56	101.82	..
	1979-80	835.75	90.67	..
	% increase	27.74	12.30	..
All India Gross Generation (Utili- ties + Non-Utilities)	1980-81	1,132.64	623.82	3,001.34
	1979-80	889.07	590.64	2,876.59
	% increase	27.40	5.62	4.34

NOTE : GWH-Million KWH.



**TABLE NO. 21**  
**All India Electricity Generation**  
(Utilities only)  
**Ownershipwise and Primemoverwise During 1980-81**

Sl. No.	Type of Primemover and Ownership	Generation (Gross) GWH	% to All India Total	% Increase in generation over the previous year
<b>I. HYDRO</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	39,004.34	35.19	4.95
	(b) Electy. Dept./Govt. Undertaking/Corp'n./Central Sector.	6,067.42	5.47	(- )13.38
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>45,071.76</b>	<b>40.66</b>	<b>2.04</b>
<i>Private Sector</i>				
	Companies . . . . .	14,70.00	1.33	12.40
	<b>TOTAL (Hydro)</b> . . . . .	<b>46,541.76</b>	<b>41.99</b>	<b>2.34</b>
<b>II. STEAM</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	43,858.91	39.57	10.86
	(b) Electy. Dept./Govt. Undertakings/Corp'n./Central Sector.	10,283.50	9.28	9.62
	(c) Municipalities . . . . .	1,311.78	1.18	(- )10.48
	<b>SUB-TOTAL</b> . . . . .	<b>55,454.19</b>	<b>50.03</b>	<b>10.01</b>
<i>Private Sector</i>				
	Companies . . . . .	5,259.59	4.74	(- )0.95
	<b>TOTAL (Steam)</b> . . . . .	<b>60,713.78</b>	<b>54.77</b>	<b>8.96</b>
<b>III. DIESEL</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	26.01	0.02	(- )2.33
	(b) Electy. Dept./Govt. Undertakings/Corp'n./Central Sector.	37.24	0.04	47.02
	(c) Municipalities . . . . .	1.39	Neg.	2.21
	<b>SUB-TOTAL</b> . . . . .	<b>64.64</b>	<b>10.06</b>	<b>21.23</b>
<i>Private Sector</i>				
	Companies . . . . .	0.44	Neg.	..
	<b>TOTAL (Diesel)</b> . . . . .	<b>65.08</b>	<b>0.06</b>	<b>22.06</b>

TABLE NO. 21—Contd.

Sl. No.	Type of primemover and ownership	Generation (Gross) (GWH)	% to all India total	% increase in generation over previous year
<b>IV. GAS TURBINES</b>				
<i>Public Sector</i>				
(a)	State Electricity Board . . . . .	522.00	0.47	4.41
(b)	Electricity Deptt./Govt. Undertakings/Corporation/ Central Sector.	..	..	..
(c)	Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>522.00</b>	<b>0.47</b>	<b>4.41</b>
<i>Private Sector</i>				
	<i>Companies</i> . . . . .	..	..	..
	<b>TOTAL (Gas)</b> . . . . .	<b>522.00</b>	<b>0.47</b>	<b>4.41</b>
<b>V. NUCLEAR</b>				
<i>Public Sector</i>				
(a)	State Electricity Boards . . . . .	..	..	..
(b)	Electricity Deptt./Govt. Undertakings/Corporation/Central Sector.	3,001.34	2.71	4.34
(c)	Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>3,001.34</b>	<b>2.71</b>	<b>4.34</b>
<i>Private Sector</i>				
	<i>Companies</i> . . . . .	..	..	..
	<b>TOTAL (Nuclear)</b> . . . . .	<b>3,001.34</b>	<b>2.71</b>	<b>4.34</b>
<b>VI. GRAND TOTAL (I to V)</b>				
<i>Public Sector</i>				
(a)	State Electricity Boards (18 Nos.) . . . . .	83,411.26	75.25	7.98
(b)	Electricity Deptts./Govt. Undertakings/Corporation/Central Sector (23 No.)	19,389.50	17.49	0.53
(c)	Municipalities (17 Nos.) . . . . .	1,313.17	1.19	(- )10.47
	<b>SUB-TOTAL (58 Nos.)</b> . . . . .	<b>1,04,113.93</b>	<b>93.93</b>	<b>6.23</b>
<i>Private Sector</i>				
	<i>Companies (30 Nos.)</i> . . . . .	6,730.03	6.07	1.70
	<b>TOTAL (ALL INDIA) (88 Nos.)</b> . . . . .	<b>1,10,843.96</b>	<b>100.00</b>	<b>5.94</b>

NOTE : Figures with in brackets show number of Undertakings.

**TABLE No. 22**  
**All India Energy Generation**  
**(UTILITIES ONLY)**  
**Regionwise/Statewise during 1980-81)**

(In GWH)

Region	State/Uts.	Energy Generation		
		1980-81	1979-80	% increase
<i>Northern Region</i>	Haryana . . . . .	4,288.75	3,969.45	8.07
	Himachal Pradesh . . . . .	245.06	354.91	(-)-30.95
	Jammu & Kashmir . . . . .	768.11	689.76	11.36
	Punjab . . . . .	6,482.95	6,234.83	3.98
	Rajasthan . . . . .	3,392.94	3,725.40	(-)-8.92
	Uttar Pradesh . . . . .	10,190.39	10,123.84	0.66
	Chandigarh . . . . .	0.07	0.06	16.67
	Delhi . . . . .	1,313.17	1,466.74	(-)-10.47
	Central Sector . . . . .	3,316.61	2,663.31	24.53
	<b>SUB-TOTAL</b>	<b>29,998.05</b>	<b>29,227.30</b>	<b>2.64</b>
<i>Western Region</i>	Gujarat . . . . .	9,363.32	8,851.96	5.78
	Madhya Pradesh . . . . .	5,952.12	5,722.38	4.01
	Maharashtra . . . . .	17,664.09	15,503.54	13.94
	Goa, Daman & Diu . . . . .	..	..	..
	Dadra & Nagar Haveli . . . . .	..	..	..
	Central Sector . . . . .	1,973.68	1,999.03	(-)-1.27
	<b>SUB-TOTAL</b>	<b>34,953.21</b>	<b>32,076.91</b>	<b>8.97</b>
<i>Eastern Region</i>	Bihar . . . . .	2,280.70	2,641.18	(-)-13.65
	Orissa . . . . .	3,137.33	2,725.83	15.10
	West Bengal . . . . .	5,562.68	5,393.97	3.15
	D. V. C. . . . .	4,484.61	4,619.74	(-)-2.93
	A & N Islands . . . . .	7.67	6.69	14.65
	Sikkim . . . . .	2.54	5.50	(-)-53.82
	Central Sector . . . . .	14.90	..	..
	<b>SUB-TOTAL</b>	<b>15,490.43</b>	<b>15,392.91</b>	<b>0.63</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	7,319.45	6,505.85	12.51
	Karnataka . . . . .	6,391.59	5,464.07	16.97
	Kerala . . . . .	5,241.63	5,118.70	2.40
	Tamil Nadu . . . . .	7,371.68	7,573.23	(-)-2.66
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	1.30	1.10	18.18
	Central Sector . . . . .	3,174.60	2,269.00	32.32
	<b>SUB-TOTAL</b>	<b>29,500.25</b>	<b>27,031.95</b>	<b>9.13</b>
<i>North Eastern Region</i>	Assam . . . . .	464.68	512.42	(-)-9.32
	Manipur . . . . .	25.39	17.02	49.18
	Meghalaya . . . . .	352.54	315.58	11.71
	Nagaland . . . . .	2.33	1.94	20.10
	Tripura . . . . .	41.31	39.30	5.11
	Arunachal Pradesh . . . . .	13.83	10.37	33.37
	Mizoram . . . . .	1.94	1.56	24.36
	<b>SUB-TOTAL</b>	<b>902.02</b>	<b>898.19</b>	<b>0.43</b>
<b>GRAND TOTAL (ALL INDIA)</b>		<b>1,10,843.96</b>	<b>1,04,627.26</b>	<b>5.94</b>

NOTE :—Generation of jointly owned projects have been shown divided between the partner states as per their theoretical shares.  
(ii) GWH—Million KWH.

TABLE No. 23  
Gross Energy Generation  
(UTILITIES ONLY)

Ownershipwise-Regionwise/Statewise during 1980-81.

(In GWH)

Region	State/U.Ts.	Public Sector		
		State Electricity Board		
		1980-81	1979-80	% increase
<i>Northern Region</i>	Haryana	4,288.75	3,968.45	8.07
	Himachal Pradesh	245.06	354.91	(—)30.95
	Jammu & Kashmir	768.11	689.76	11.36
	Punjab	6,482.95	6,234.83	3.98
	Uttar Pradesh	10,190.39	10,123.84	0.66
	Rajasthan	3,392.94	3,725.40	(—)8.92
	Chandigarh	..	..	..
	Delhi	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>25,368.20</b>	<b>25,097.19</b>	<b>1.08</b>
<i>Western Region</i>	Gujarat	7,860.72	7,398.70	6.24
	Madhya Pradesh	5,952.12	5,722.38	4.01
	Maharashtra	14,178.09	12,042.24	17.74
	Goa, Daman & Diu	..	..	..
	Dadra & Nagar Haveli	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>27,990.93</b>	<b>25,163.32</b>	<b>11.24</b>
<i>Eastern Region</i>	Bihar	2,266.39	2,620.90	(—)13.53
	Orissa	2,918.41(A)	1,332.16	119.07
	West Bengal	3,108.82	2,895.13	7.38
	D. V. C.	..	..	..
	Andaman & Nicobar Islands	..	..	..
	Sikkim	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>8,293.62</b>	<b>6,848.19</b>	<b>21.11</b>
<i>Southern Region</i>	Andhra Praesh	6,572.90	5,729.70	14.72
	Karnataka	1,755.08	897.56	95.54
	Kerala	5,241.63	5,118.70	2.40
	Tamil Nadu	7,371.68	7,573.23	12.66
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>20,941.29</b>	<b>19,319.19</b>	<b>8.40</b>
<i>North Eastern Region</i>	Assam	464.68	512.42	(—)9.32
	Manipur	..	..	..
	Meghalaya	352.54	315.58	11.71
	Nagaland	..	..	..
	Tripura	..	..	..
	Arunachal Pradesh	..	..	..
	Mizoram	..	..	..
	<b>SUB-TOTAL</b>	<b>817.22</b>	<b>828.00</b>	<b>(—)1.30</b>
	<b>TOTAL (ALL INDIA)</b>	<b>83,411.26</b>	<b>77,255.89</b>	<b>7.97</b>

NOTE : — GWH = Million KWH.

(A) Includes Balimela Projects which has been taken over by Orissa S. E. Board and was in previous years taken under electricity department.

TABLE No. 23—Contd.

State/Uts.	Public Sector		
	Electricity Department/Govt. Undertaking/Corporation/ Central Sector		
	1980-81	1979-80	% Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	0.07	0.06	16.67
Delhi	..	..	..
Central Sector	3,316.61	2,663.31	24.53
<b>SUB-TOTAL</b>	<b>3,316.68</b>	<b>2,663.37</b>	<b>24.53</b>
Gujarat	..	..	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	1,973.68	1,999.03	(- )1.27
<b>SUB-TOTAL</b>	<b>1,973.68</b>	<b>1,999.03</b>	<b>(- )1.27</b>
Bihar	14.31	20.28	(- )29.44
Orissa	218.92	1,393.67	(- )84.29
West Bengal	712.43	795.78	(- )10.47
D. V. C.	4,484.61	4,619.74	(- )2.93
Andaman & Nicobar Islands	7.67	6.69	14.65
Sikkim	2.54	5.50	(- )53.82
Central Sector	14.90	..	..
<b>SUB-TOTAL</b>	<b>5,455.38</b>	<b>6,841.66</b>	<b>(- )20.26</b>
Andhra Pradesh	746.55	776.15	(- )3.81
Karnataka	4,636.51	4,566.51	1.53
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	1.30	1.10	18.18
Central Sector	3,174.60	2,369.00	34.00
<b>SUB-TOTAL</b>	<b>8,558.96</b>	<b>7,712.70</b>	<b>10.97</b>
Assam	..	..	..
Manipur	25.39	17.02	49.18
Meghalaya	..	..	..
Nagaland	2.33	1.94	20.10
Tripura	41.31	39.30	5.11
Arunachal Pradesh	13.83	10.37	33.36
Mizoram	1.94	1.56	53.97
<b>SUB-TOTAL</b>	<b>84.80</b>	<b>70.19</b>	<b>20.81</b>
<b>TOTAL (ALL INDIA)</b>	<b>19,389.50</b>	<b>19,287.01</b>	<b>0.53</b>

TABLE NO. 23—Contd.

State/U.Ts.	Public Sector		
	Municipalities		
	1980-81	1979-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	1,313.17	1,466.74	(- )10.47
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,313.17</b>	<b>1,466.74</b>	<b>(- )10.47</b>
Gujarat . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .			
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	..	..	..
D. V. C. . . . .	..	..	..
A & N Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .			
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .			
Assam . . . . .	..	..	..
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .			
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,313.17</b>	<b>1,466.74</b>	<b>(- )10.47</b>

TABLE NO. 23—Contd.

State/U. Ts.	Private Sector		
	Companies		
	1980-81	1979-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
Gujarat . . . . .	1,502.60	1,453.26	3.40
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	3,486.00	3,461.30	0.71
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	4,988.60	4,914.56	1.51
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	1,741.43	1,703.06	2.25
D. V. C. . . . .	..	..	..
Andaman & Nicobar Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	1,741.43	1,703.06	2.25
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
Assam . . . . .	..	..	..
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
<b>TOTAL (ALL INDIA)</b> . . . . .	6,730.03	6,617.62	1.70

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

TABLE NO. 24  
Gross Energy Generation  
(UTILITIES ONLY)

Primemoverwise,-Regionwise/Statewise During 1980-81

(In GWH)

Region	State/U. Ts.	Hydro		% Increase
		1980-81	1979-80	
<i>Northern Region</i>	Haryana . . . . .	2,977.39	3,070.93	(-)-3.05
	Himachal Pradesh . . . . .	244.93	354.88	(-)-30.98
	Jammu & Kashmir . . . . .	763.47	677.00	12.77
	Punjab . . . . .	5,023.56	5,091.77	(-)-1.34
	Rajasthan . . . . .	2,579.70	3,016.99	(-)-14.49
	Uttar Pradesh . . . . .	3,456.51	3,265.80	5.84
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	..	..	..
	Central Sector . . . . .	34.00	..	..
<b>SUB-TOTAL</b>		<b>15,079.56</b>	<b>15,477.37</b>	<b>(-)-2.57</b>
<i>Western Region</i>	Gujarat . . . . .	888.46	1,206.33	(-)-26.35
	Madhya Pradesh . . . . .	475.06	790.78	(-)-39.93
	Maharashtra . . . . .	6,449.15	5,948.31	8.40
	Goa, Daman & Diu . . . . .	..	..	..
	Dadra & Nagar Haveli . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b>		<b>7,811.67</b>	<b>7,945.42</b>	<b>(-)-1.68</b>
<i>Eastern Region</i>	Bihar . . . . .	150.74	77.77	93.83
	Orissa . . . . .	2,393.33	2,028.13	18.01
	West Bengal . . . . .	56.45	32.71	72.58
	D. V. C. . . . .	344.76	190.56	80.92
	A & N Islands . . . . .	..	..	..
	Sikkim . . . . .	1.54	4.70	(-)-167.23
	Central Sector . . . . .	14.90	..	..
<b>SUB-TOTAL</b>		<b>2,961.72</b>	<b>2,333.87</b>	<b>26.90</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	3,723.55	3,238.25	14.99
	Karnataka . . . . .	6,391.59	5,464.07	16.97
	Kerala . . . . .	5,241.63	5,118.70	2.40
	Tamil Nadu . . . . .	4,925.73	5,532.81	(-)-10.97
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b>		<b>20,282.50</b>	<b>19,353.83</b>	<b>4.80</b>
<i>North-Eastern Region</i>	Assam . . . . .	1.90	2.97	(-)-36.03
	Manipur . . . . .	350.38	314.58	11.38
	Meghalaya . . . . .	1.59	1.35	17.78
	Nagaland . . . . .	40.46	39.01	3.72
	Tripura . . . . .	11.98	9.15	30.93
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b>		<b>406.31</b>	<b>367.06</b>	<b>10.69</b>
<b>TOTAL (ALL INDIA)</b>		<b>46,541.76</b>	<b>45,477.55</b>	<b>2.34</b>



TABLE No. 24—Contd.

State/Uts.	Steam		
	1980-81	1979-80	% Increase
Haryana . . . . .	1,311.24	897.46	46.11
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	4.28	12.06	(—)64.51
Punjab . . . . .	1,457.92	1,140.52	27.83
Rajasthan . . . . .	812.88	707.92	14.83
Uttar Pradesh . . . . .	6,733.56	6,854.31	(—)1.76
Chandigarh . . . . .	..	..	..
Delhi . . . . .	1,311.78	1,465.38	(—)10.48
Central Sector . . . . .	2,054.97	1,532.33	34.11
<b>SUB-TOTAL</b> . . . . .	<b>13,686.63</b>	<b>12,609.98</b>	<b>8.54</b>
Gujarat . . . . .	8,427.37	7,569.78	11.33
Madhya Pradesh . . . . .	5,477.06	4,931.60	11.06
Maharashtra . . . . .	11,215.94	9,555.23	17.38
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	199.98	253.42	(—)21.09
<b>SUB-TOTAL</b> . . . . .	<b>25,320.35</b>	<b>22,310.03</b>	<b>13.49</b>
Bihar . . . . .	2,127.80	2,561.55	(—)16.93
Orissa . . . . .	744.00	697.70	6.64
West Bengal . . . . .	5,309.61	5,238.88	1.35
D. V. C. . . . .	4,139.85	4,429.18	(—)6.53
A & N Islands . . . . .	1.67	1.03	62.14
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>12,322.93</b>	<b>12,928.34</b>	<b>(—)4.68</b>
Andhra Pradesh . . . . .	3,595.90	3,267.60	10.05
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	2,445.95	2,040.42	19.87
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	3,174.60	2,369.00	34.00
<b>SUB-TOTAL</b> . . . . .	<b>9,216.45</b>	<b>7,677.02</b>	<b>20.05</b>
Assam . . . . .	167.42	194.46	(—)13.91
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>167.42</b>	<b>194.46</b>	<b>(—)13.91</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>60,713.78</b>	<b>55,719.83</b>	<b>8.96</b>

TABLE No. 24—Contd.

State/U.Ts.	Diesel		
	1980-81	1979-80	% Increase
Haryana . . . . .	0.12	0.06	100.00
Himachal Pradesh . . . . .	0.13	0.03	333.33
Jammu & Kashmir . . . . .	0.36	0.70	(—)48.57
Punjab . . . . .	1.47	2.34	(—)42.13
Rajasthan . . . . .	0.36	0.49	(—)26.53
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	0.07	0.06	16.67
Delhi . . . . .	1.39	1.36	2.21
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3.90</b>	<b>5.24</b>	<b>25.57</b>
Gujarat . . . . .	0.09	0.06	50.00
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>0.09</b>	<b>0.06</b>	<b>50.00</b>
Bihar . . . . .	2.16	1.86	16.13
Orissa . . . . .	..	..	..
West Bengal . . . . .	17.12	19.89	(—)13.93
D. V. C. . . . .	..	..	..
A & N Islands . . . . .	6.00	5.66	6.01
Sikkim . . . . .	1.00	0.80	25.00
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>26.28</b>	<b>28.21</b>	<b>(—)6.84</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	1.30	1.10	18.18
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1.30</b>	<b>1.10</b>	<b>18.18</b>
Assam . . . . .	2.48	..	..
Manipur . . . . .	23.49	14.05	67.19
Meghalaya . . . . .	2.16	1.00	116.00
Nagaland . . . . .	0.74	0.59	25.42
Tripura . . . . .	0.85	0.29	193.10
Arunachal Pradesh . . . . .	1.85	1.22	51.64
Mizoram . . . . .	1.94	1.56	24.36
<b>SUB-TOTAL</b> . . . . .	<b>33.51</b>	<b>18.71</b>	<b>79.10</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>65.08</b>	<b>53.32</b>	<b>22.06</b>

TABLE No. 24—Contd.

State/Uts.	Gas		
	1980-81	1979-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	0.32	3.73	(—)91.42
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>0.32</b>	<b>3.73</b>	<b>(—)91.42</b>
Gujarat . . . . .	47.40	75.79	(—)37.46
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>47.40</b>	<b>75.79</b>	<b>(—)37.46</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	179.50	102.49	75.14
D. V. C. . . . .	..	..	..
A & N Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>179.50</b>	<b>102.49</b>	<b>75.14</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	294.78	317.96	(—)7.29
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>294.78</b>	<b>317.96</b>	<b>(—)7.29</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>522.00</b>	<b>499.97</b>	<b>4.41</b>

TABLE No. 24—Contd.

State/U.Ts.	Nuclear		
	1980-81	1979-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	1,227.64	1,130.98	8.55
<b>SUB-TOTAL</b> . . . . .	<b>1,227.64</b>	<b>1,130.98</b>	<b>8.55</b>
Gujarat . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra and Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	1,773.70	1,745.61	1.61
<b>SUB-TOTAL</b> . . . . .	<b>1,773.70</b>	<b>1,745.61</b>	<b>1.61</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	..	..	..
D. V. C. . . . .	..	..	..
Andaman and Nicobar Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	..	..	..
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>3,001.34</b>	<b>2,876.59</b>	<b>4.34</b>

NOTE : Generation of jointly owned projects have been shown divided between the partner States as per their theoretical shares.

**TABLE No. 25**  
**Gross Energy Generation By State Electricity Boards**  
**Primemoverwise During 1980-81**

(GWH)

Region	Name of the Board	Total		
		1980-81	1979-80	% Increase
<i>Northern Region</i>	Haryana . . . . .	4,288.75	3,968.45	8.07
	Himachal Pradesh . . . . .	245.06	354.91	(—)30.95
	Jammu & Kashmir . . . . .	768.11	689.76	11.36
	Punjab . . . . .	6,482.95	6,234.83	3.98
	Rajasthan . . . . .	3,392.94	3,725.40	(—)18.92
	Uttar Pradesh . . . . .	10,190.39	10,123.84	0.66
<b>SUB-TOTAL</b>		<b>25,368.20</b>	<b>25,697.19</b>	<b>1.08</b>
<i>Western Region</i>	Gujarat . . . . .	7,850.72	7,398.70	6.24
	Madhya Pradesh . . . . .	5952.12	5,722.38	4.01
	Maharashtra . . . . .	14,178.09	12,042.24	17.74
<b>SUB-TOTAL</b>		<b>27,990.93</b>	<b>25,163.32</b>	<b>11.24</b>
<i>Eastern Region</i>	Bihar . . . . .	2,266.39	2,620.90	(—)13.53
	Orissa . . . . .	2,918.41	1,332.16	119.07
	West Bengal . . . . .	3,108.82	2,895.13	7.38
<b>SUB-TOTAL</b>		<b>8,293.62</b>	<b>6,848.19</b>	<b>21.11</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	6,572.90	5,729.70	14.72
	Karnataka . . . . .	1,755.08	897.56	95.54
	Kerala . . . . .	5,241.63	5,118.70	2.40
	Tamil Nadu . . . . .	7,371.68	7,573.23	(—)2.66
<b>SUB-TOTAL</b>		<b>20,941.29</b>	<b>19,319.19</b>	<b>8.40</b>
<i>North Eastern Region</i>	Assam . . . . .	464.68	512.42	(—)9.32
	Meghalaya . . . . .	352.54	315.58	11.71
<b>SUB-TOTAL</b>		<b>817.22</b>	<b>828.00</b>	<b>(—)1.30</b>
<b>TOTAL (ALL BOARDS)</b>		<b>83,411.26</b>	<b>77,255.89</b>	<b>7.97</b>

TABLE No. 25—Contd.

Name of the Board	Hydro		
	1980-81	1979-80	% Increase
Haryana . . . . .	2,977.39	3,670.93	(- )3.05
Himachal Pradesh . . . . .	244.93	354.88	(- )30.98
Jammu & Kashmir . . . . .	763.47	677.00	12.77
Punjab . . . . .	5,023.56	5,091.77	(- )1.34
Rajasthan . . . . .	2,579.70	3,016.99	(- )14.49
Uttar Pradesh . . . . .	3,456.51	3,265.80	5.84
<b>SUB-TOTAL</b> . . . . .	<b>15,045.56</b>	<b>15,471.37</b>	<b>(- )2.75</b>
Guja rat . . . . .	888.46	1,206.33	(- )26.35
Madhya Pradesh . . . . .	475.06	790.78	(- )39.93
Maharashtra . . . . .	4,978.15	4,640.51	7.28
<b>SUB-TOTAL</b> . . . . .	<b>6,341.67</b>	<b>6,637.62</b>	<b>(- )4.46</b>
Bihar . . . . .	136.43	57.49	137.31
Orissa . . . . .	2,174.41	634.46	242.72
West Bengal . . . . .	56.45	32.71	72.58
<b>SUB-TOTAL</b> . . . . .	<b>2,367.29</b>	<b>724.66</b>	<b>226.68</b>
Andhra Pradesh . . . . .	2,977.00	2,462.10	20.91
Karnataka . . . . .	1,755.08	897.56	95.54
Kerala . . . . .	5,241.63	5,118.70	2.40
Tamil Nadu . . . . .	4,925.73	5,532.81	(- )10.97
<b>SUB-TOTAL</b> . . . . .	<b>14,899.44</b>	<b>14,011.17</b>	<b>6.34</b>
Assam . . . . .	..	..	..
Meghalaya . . . . .	350.38	314.58	11.38
<b>SUB-TOTAL</b> . . . . .	<b>350.38</b>	<b>314.58</b>	<b>11.38</b>
<b>TOTAL (ALL BOARDS)</b> . . . . .	<b>39,004.34</b>	<b>37,165.40</b>	<b>4.95</b>

TABLE No. 25—Contd.

(In GWH)

Name of the Board	Steam		% Increase
	1980-81	1979-80	
Haryana . . . . .	1,311.24	897.46	46.10
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	4.28	12.06	(- )64.51
Punjab . . . . .	1,457.92	1,140.52	27.78
Rajasthan . . . . .	812.88	707.92	14.83
Uttar Pradesh . . . . .	6,733.56	6,854.31	(- )1.16
<b>SUB-TOTAL</b> . . . . .	<b>10,319.88</b>	<b>9,612.27</b>	<b>7.36</b>
Gujarat . . . . .	6,924.84	6,116.52	13.21
Madhya Pradesh . . . . .	5,477.06	4,931.60	11.06
Maharashtra . . . . .	9,199.94	7,401.73	24.29
<b>SUB-TOTAL</b> . . . . .	<b>21,601.84</b>	<b>18,449.85</b>	<b>17.08</b>
Bihar . . . . .	2,127.80	2,561.55	(- )16.93
Orissa . . . . .	744.00	697.70	6.64
West Bengal . . . . .	2,856.12	2,740.04	4.24
<b>SUB-TOTAL</b> . . . . .	<b>5,727.92</b>	<b>5,999.29</b>	<b>(- )4.52</b>
Andhra Pradesh . . . . .	3,595.90	3,267.60	10.05
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	2,445.95	2,040.42	19.87
<b>SUB-TOTAL</b> . . . . .	<b>6,041.85</b>	<b>5,308.02</b>	<b>13.82</b>
Assam . . . . .	167.42	194.46	(- )13.91
Meghalaya . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>167.42</b>	<b>194.46</b>	<b>(- )13.91</b>
<b>TOTAL (ALL BOARDS)</b> . . . . .	<b>4,38,58.91</b>	<b>39,563.89</b>	<b>10.86</b>

TABLE No. 25—Contd.

(GWH)

Name of the Board	Diesel		% Increase
	1980-81	1979-80	
Haryana . . . . .	0.12	0.06	100.00
Himachal Pradesh . . . . .	0.13	0.03	333.33
Jammu & Kashmir . . . . .	0.36	0.70	(—)48.57
Punjab . . . . .	1.47	2.54	(—)42.13
Rajasthan . . . . .	0.36	0.49	(—)26.53
Uttar Pradesh . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>2.44</b>	<b>3.82</b>	<b>(—)36.91</b>
Gujarat . . . . .	0.02	0.06	(—)66.67
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>0.02</b>	<b>0.06</b>	<b>(—)66.67</b>
Bihar . . . . .	2.16	1.86	16.13
Orissa . . . . .	..	..	..
West Bengal . . . . .	16.75	19.89	(—)15.79
<b>SUB-TOTAL</b> . . . . .	<b>18.91</b>	<b>21.75</b>	<b>(—)13.06</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	2.48	..	..
Meghalaya . . . . .	2.16	1.00	216.00
<b>SUB-TOTAL</b> . . . . .	<b>4.64</b>	<b>1.00</b>	<b>464.00</b>
<b>TOTAL (ALL BOARDS)</b> . . . . .	<b>26.01</b>	<b>26.63</b>	<b>(—)2.33</b>



TABLE No. 25—Contd.

(In GWH)

Name of the Board	GAS		
	1980-81	1979-80	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	0.32	3.73	(—)91.42
<b>SUB-TOTAL</b> . . . . .	<b>0.32</b>	<b>3.73</b>	<b>(—)91.42</b>
Gujarat . . . . .	47.40	75.79	(—)37.46
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>47.40</b>	<b>75.79</b>	<b>(—)37.46</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	179.50	102.49	75.14
<b>SUB-TOTAL</b> . . . . .	<b>179.50</b>	<b>102.49</b>	<b>75.14</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	294.78	317.96	(—)7.29
Meghalaya . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>294.78</b>	<b>317.96</b>	<b>(—)7.29</b>
<b>TOTAL (ALL BOARDS)</b> . . . . .	<b>522.00</b>	<b>499.87</b>	<b>4.41</b>

NOTE : — There is no nuclear power station under any State Electricity Board.

TABLE NO. 26

Gross Energy Generation By Electricity Depts., Govt. Undertakings, Central Sector,  
Municipalities and Private Sector

Primemoverwise/Regionwise During 1980-81

(In GWH)

Region	Ownership	Total		% Increase
		1980-81	1979-80	
<b>I. Electricity Departments/ Govt. Undertakings/Corp'n./ Central Sector.</b>				
Northern Region	Chandigarh	0.07	0.06	16.67
	Central Sector	3,316.61	2,663.31	(-)-24.53
Western Region	Central Sector	1,973.68	1,999.03	(-)-1.27
Eastern Region	Bihar	14.31	20.28	(-)-29.44
	Orissa	218.92*	1,393.67	(-)-84.29
	Sikkim	2.54	5.50	(-)-53.82
	West Bengal	712.43	795.78	(-)-10.48
	D. V. C.	4,484.61	4,619.74	(-)-2.93
	A & N Islands	7.67	6.69	14.05
	Central Sector	14.90	..	..
Southern Region	Andhra Pradesh	746.55	776.15	(-)-3.81
	Karnataka	4,636.51	4,566.51	1.53
	Lakshadweep	1.30	1.10	18.18
	Central Sector	3,174.60	2,369.00	32.32
North Eastern Region	Manipur	25.39	17.02	49.18
	Nagaland	2.33	1.94	20.10
	Tripura	41.31	39.30	5.11
	Arunachal Pradesh	13.83	10.37	33.37
	Mizoram	1.94	1.56	24.36
	<b>TOTAL (I)</b>	<b>19,389.50</b>	<b>19,287.01</b>	<b>0.53</b>
<b>II. Municipalities</b>				
Northern Region	Delhi	1,313.17	1,466.74	(-)-10.47
Western Region	Gujarat	..	..	..
Eastern Region	West Bengal	..	..	..
	<b>TOTAL (II)</b>	<b>1,313.17</b>	<b>1,466.74</b>	<b>(-)-10.47</b>
<b>III Private licenses</b>				
Western Region	Gujarat	1,502.60	1,453.26	3.40
	Maharashtra	3,486.00	3,461.30	0.71
Eastern Region	West Bengal	1,741.43	1,703.06	2.25
	<b>TOTAL (III)</b>	<b>6,730.03</b>	<b>6,617.62</b>	<b>1.70</b>

NOTE :-\*Excludes Balimela Project which has been taken over by Orissa State Electy. Board.

TABLE NO. 26—Contd.

	Ownership	Hydro		
		1960-81	1979-80	% Increase
<b>Northern Region</b>	<b>I. Electricity Deptt./Govt. Undertaking/Corpn./Central Sector.</b>			
	Chandigarh	..	..	..
	Central Sector	34.00	..	..
<b>Western Region</b>	Central Sector	..	..	..
<b>Eastern Region</b>	Bihar	14.31	20.28	(- )29.44
	Orissa	218.92	1,393.67	(- )84.29
	Sikkim	1.54	4.70	(- )67.24
	West Bengal	..	..	..
	D. V. C.	344.76	190.56	80.92
	A & N Islands	..	..	..
	Central Sector	14.90	..	..
<b>Southern Region</b>	Andhra Pradesh	746.55	776.15	(- )3.81
	Karnataka	4,636.51	4,566.51	1.53
	Lakshadweep	..	..	..
	Central Sector	..	..	..
<b>North Eastern Region</b>	Manipur	1.90	2.97	(- )36.03
	Nagaland	1.59	1.35	17.78
	Tripura	40.46	30.01	3.72
	Arunachal Pradesh	11.98	9.15	30.93
	Mizoram	..	..	..
	<b>TOTAL (I)</b>	<b>6,067.42</b>	<b>7,004.35</b>	<b>(- )13.38</b>
	<b>II. Municipalities</b>			
<b>Northern Region</b>	Delhi	..	..	..
<b>Western Region</b>	Gujarat	..	..	..
<b>Eastern Region</b>	West Bengal	..	..	..
	<b>TOTAL (II)</b>	..	..	..
	<b>III. Private Licenses.</b>			
<b>Western Region.</b>	Gujarat	..	..	..
	Maharashtra	1,470.00	1,307.80	12.40
<b>Eastern Region</b>	West Bengal	..	..	..
	<b>TOTAL (III)</b>	<b>1,470.00</b>	<b>1,307.80</b>	<b>12.40</b>

TABLE NO. 26—Contd.

	Ownership	Steam		
		1980-81	1979-80	% Increase
<i>I. Electy. Dept./ Govt. Undertakings/Corpn./Central Sector.</i>				
<i>Northern Region</i>	Chandigarh	..	..	..
	Central Sector	2,054.97	1,532.33	34.10
<i>Western Region</i>	Central Sector	199.98	253.42	(- )21.08
<i>Eastern Region</i>	Bihar	..	..	..
	Orissa	..	..	..
	Sikkim	..	..	..
	West Bengal	712.43	795.78	(- )10.48
	D. V. C.	4,139.85	4,429.18	(- )7.53
	A & N Islands	1.67	1.03	62.14
	Central Sector	..	..	..
<i>Southern Region</i>	Andhra Pradesh	..	..	..
	Karnataka	..	..	..
	Lakshadweep	..	..	..
	Central Sector	3,174.60	2,369.00	34.01
<i>North Eastern Region</i>	Manipur	..	..	..
	Nagaland	..	..	..
	Tripura	..	..	..
	Arunachal Pradesh	..	..	..
	Mizoram	..	..	..
	<b>TOTAL (I)</b>	<b>10,283.50</b>	<b>9,380.74</b>	<b>9.62</b>
<i>I. Municipalities</i>				
<i>North Region</i>	Delhi	1,311.78	1,465.38	(- )10.48
<i>Western Region</i>	Gujarat	..	..	..
<i>Eastern Region.</i>	West Bengal	..	..	..
	<b>TOTAL (II)</b>	<b>1,311.78</b>	<b>1,465.38</b>	<b>(- )10.48</b>
<i>III. Private Licencees</i>				
<i>Western Region</i>	Gujarat	1,502.53	1,453.26	3.39
	Maharashtra	2,016.00	2,153.50	(- )6.38
<i>Eastern Region</i>	West Bengal	1,741.06	1,703.06	2.23
	<b>TOTAL (III)</b>	<b>5,259.59</b>	<b>5,309.82</b>	<b>(- )0.95</b>

TABLE No. 26—Contd.

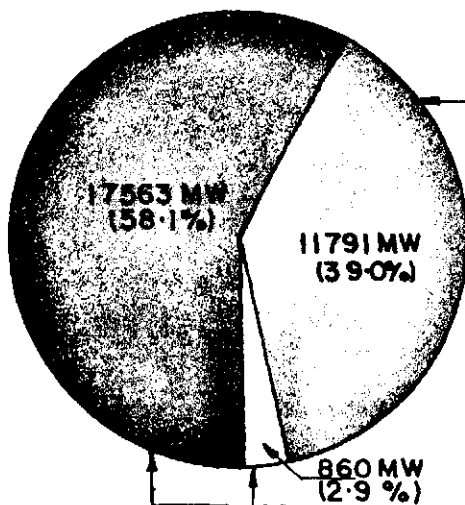
	Ownership	Diesel		
		1980-81	1979-80	% Increase
<i>Northern Region</i>	<i>I. Electy. Dept./Govt. Undertakings/Corpn/Central Sector.</i>			
	Chandigarh . . . . .	0.07	0.06	16.67
	Central Sector . . . . .	..	..	..
<i>Western Region</i>	Central Sector . . . . .	..	..	..
<i>Eastern Region</i>	Bihar . . . . .	..	..	..
	Orissa . . . . .	..	..	..
	Sikkim . . . . .	1.00	0.80	25.00
	West Bengal . . . . .	..	..	..
	D. V. C. . . . .	..	..	..
	A & N Islands . . . . .	6.00	5.66	6.01
	Central Sector . . . . .	..	..	..
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	..	..
	Karnataka . . . . .	..	..	..
	Lakshadweep . . . . .	1.30	1.10	18.18
	Central Sector . . . . .	..	..	..
<i>North Eastern Region</i>	Manipur . . . . .	23.49	14.05	67.19
	Nagaland . . . . .	0.74	0.59	25.42
	Tripura . . . . .	0.85	0.29	193.10
	Arunachal Pradesh . . . . .	1.85	1.22	51.64
	Mizoram . . . . .	1.94	1.56	24.36
	<b>TOTAL (I)</b> . . . . .	<b>37.24</b>	<b>25.33</b>	<b>47.02</b>
	<i>II. Municipalities</i>			
<i>Northern Region</i>	Delhi . . . . .	1.39	1.36	2.21
<i>Western Region</i>	Gujarat . . . . .	..	..	..
<i>Eastern Region</i>	West Bengal . . . . .	..	..	..
	<b>TOTAL (II)</b> . . . . .	<b>1.39</b>	<b>1.36</b>	<b>2.21</b>
	<i>III. Private Licensees</i>			
<i>Western Region</i>	Gujarat . . . . .	0.07	..	..
	Maharashtra . . . . .	..	..	..
<i>Eastern Region</i>	West Bengal . . . . .	0.37	..	..
	<b>TOTAL (III)</b> . . . . .	<b>0.44</b>	<b>..</b>	<b>..</b>

TABLE No. 26—Contd.

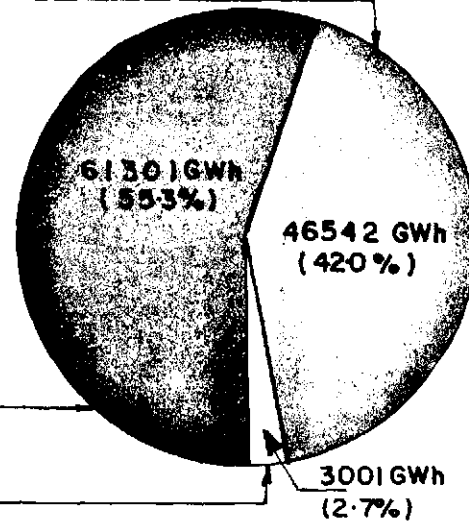
Ownership	Nuclear		
	1980-81	1979-80	% Increase
<i>I. Electricity Department/ Government Undertakings/ Corporation  Central Sector.</i>			
<i>Northern Region</i>	Chandigarh . . . . .	..	..
	Central Sector . . . . .	1,227.64	1,130.98
			8.55
<i>Western Region</i>	Central Sector . . . . .	1,773.70	1,745.61
			1.61
<i>Eastern Region</i>	Bihar . . . . .	..	..
	Orissa . . . . .	..	..
	Sikkim . . . . .	..	..
	West Bengal . . . . .	..	..
	D. V. C. . . . .	..	..
	A & N Islands . . . . .	..	..
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	..
	Karnataka . . . . .	..	..
	Lakshadweep . . . . .	..	..
	Central Sector . . . . .	..	..
<i>North Eastern Region</i>	Manipur . . . . .	..	..
	Nagaland . . . . .	..	..
	Tripura . . . . .	..	..
	Arunachal Pradesh . . . . .	..	..
	Mizoram . . . . .	..	..
	<b>TOTAL (I)</b> . . . . .	<b>3,001.34</b>	<b>2,876.59</b>
			<b>4.34</b>
<i>II. Municipalities</i>			
<i>Northern Region</i>	Delhi . . . . .	..	..
<i>Western Region</i>	Gujarat . . . . .	..	..
<i>Eastern Region</i>	West Bengal . . . . .	..	..
	<b>TOTAL (II)</b> . . . . .	..	..
<i>III. Private Licensees</i>			
<i>Western Region</i>	Gujarat . . . . .	..	..
	Maharashtra . . . . .	..	..
<i>Eastern Region</i>	West Bengal . . . . .	..	..
	<b>TOTAL (III)</b> . . . . .	..	..

**INSTALLED GENERATING CAPACITY & ELECTRICITY GENERATION  
(UTILITIES)  
1980-81**

**INSTALLED CAPACITY  
(30 214 MW)**



**ELECTRICITY GENERATION  
GROSS  
(110844 GWh)**



HYDRO

THERMAL

NUCLEAR

TABLE No. 27

*Classification of Undertakings\* Generationwise—1980-81*

Range of generation (GWH)	No. of Undertakings	Total energy generated by the group (GWH)	% to total	Installed Capacity of the group (MW)	% to total
Under 1.00 . . . . .	3	0.51	Neg.	2.30	0.01
Over 1.00 upto 10.00 . . . . .	5	15.78	0.01	21.34	0.07
Over 10.00 upto 25.00 . . . . .	3	43.04	0.04	42.72	0.14
Over 25.00 upto 50.00 . . . . .	4	128.90	0.12	159.36	0.53
Over 50.00 upto 100.00 . . . . .	1	68.91	0.06	18.00	0.06
Over 100.00 upto 250.00 . . . . .	3	740.96	0.67	296.53	0.98
Over 250.00 upto 500.00 . . . . .	2	817.22	0.74	358.94	1.19
Over 500.00 upto 1000.00 . . . . .	3	2,210.28	1.99	605.93	2.00
Over 1000.00 upto 5000.00 . . . . .	16	42,967.88	38.76	11,248.26	37.23
Over 5000.00 upto 10,000.00 . . . . .	6	39,482.00	35.62	16,478.84	34.68
Above 10,000.00 . . . . .	2	24,368.48	21.99	6,981.46	23.11
<b>TOTAL . . . . .</b>	<b>48</b>	<b>1,10,843.96</b>	<b>100.00</b>	<b>30,213.68</b>	<b>100.00</b>

\*Generating.



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**SECTION IV**  
**CAPTIVE PLANTS**

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## 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 2223 industrial units (units having their own captive plants with capacity 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 1980-81 details of which are enumerated below :—

Sl. No.	Category	Number of industries covered	Energy consumption(GWH)		%increase
			1980-81	1979-80	
1	Aluminium (P)	7	2,964.80	3,699.45	(-) 19.86
2	Cement (P)	49	1,861.33	1,734.23	7.33
3	Chemicals	163	4,180.60	5,011.32	(-) 16.58
4	Fertilizers	26	4,067.37	4,256.36	(-) 4.44
5	Iron & Steel (P)	11	4,300.31	4,445.57	(-) 3.27
6	Non-Ferrous	33	1,506.52	1,267.61	15.86
7	Paper	57	1,715.61	1,617.15	6.09
8	Textiles	454	6,072.38	5,743.23	5.73
<b>TOTAL</b>		<b>800</b>	<b>26,668.92</b>	<b>27,774.92</b>	<b>(-) 3.98</b>

NOTE:—(P) Primary

It is significant from the above table that nearly 72.43% of the total consumption 35356.20 GWH by 2223 industries is accounted for by mere 800 industries out of the above major categories.

Out of 2223 industrial units covered 1218 industrial units have captive plants which generated 8373.63 GWH Electricity. Eight industrial categories viz. Aluminium(Primary), mineral oil and petroleum, paper, sugar, textiles and chemicals generated 7270.14 GWH in aggregate by generating more than 500 GWH by each of the above category, detail of which are given below :—

Name of Industry	Energy generation(GWH)
Aluminium	1,011.42
Fertilizers	571.50
Iron & Steel(P)	2,149.55
Mineral Oil & Petroleum	505.91
Paper	741.31
Sugar	738.67
Textile	993.57
Chemical	558.21
<b>TOTAL</b>	<b>7,270.14</b>

Nearly 86.82% 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 for standby and for emergency purposes. Total capacity of captive plants of Railways during 1980-81 was 61.24 MW and 42.42 GWH were generated by these plants.

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

TABLE No. 28

*Installed generating capacity of Selected Industries*

Regionwise/Statewise as on 31st March, 1981

(in KW)

Region	State/Uts	Aluminium (P)	Aluminium (S)	Automobiles
<i>Northern Region</i>	Haryana . . . . .	..	288	1,813
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	..	..	..
	Punjab . . . . .	..	..	..
	Rajasthan . . . . .	..	..	1,156
	Uttar Pradesh . . . . .	135,000	..	..
	Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..	
	<b>SUB-TOTAL</b>	135,000	288	2,969
<i>Western Region</i>	Gujarat . . . . .	..	..	..
	Madhya Pradesh . . . . .	..	..	..
	Maharashtra . . . . .	..	968	5,998
	Goa, Daman & Diu . . . . .	..	..	..
	D & N Haveli . . . . .	..	..	..
	<b>SUB-TOTAL</b>	..	968	5,998
<i>Eastern Region</i>	Bihar . . . . .	..	4,175	..
	Orissa . . . . .	..	210	..
	West Bengal . . . . .	18,450	968	1,320
	A & N Islands . . . . .	..	..	..
	Sikkim . . . . .	..	..	..
	<b>SUB-TOTAL</b>	18,450	5,353	1,320
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	..	..
	Karnataka . . . . .	340	220	4,640
	Kerala . . . . .	..	400	..
	Tamil Nadu . . . . .	..	..	..
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
	<b>SUB-TOTAL</b>	340	620	4,640
<i>North Eastern Region</i>	Assam . . . . .	..	..	..
	Manipur . . . . .	..	..	..
	Meghalaya . . . . .	..	..	..
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	..	..	..
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
	<b>SUB-TOTAL</b>	..	..	..
	<b>TOTAL (ALL INDIA)</b>	153,790	7,229	14,927

TABLE NO. 28—Contd.

State/Utis	Cement (P)	Cement (S)	Chemicals	Collieries
Haryana	1,760	3,526	1,900	..
Himachal Pradesh	..	..	..	..
Jammu & Kashmir	..	..	..	..
Punjab	..	..	977	..
Rajasthan	27,050	..	7,324	..
Utar Pradesh	1,317	..	15,122	..
Chandigarh	..	..	1,660	..
Delhi	..	..	22,500	..
<b>SUB-TOTAL</b>	<b>30,127</b>	<b>3,526</b>	<b>49,543</b>	<b>..</b>
Gujarat	16,175	630	56,252	..
Madhya Pradesh	19,305	886	1,668	3,600
Maharashtra	..	1,434	61,619	..
Goa, Daman & Diu	..	..	8,996	..
D & N Haveli	..	..	..	..
<b>SUB-TOTAL</b>	<b>35,480</b>	<b>2,950</b>	<b>1,28,535</b>	<b>3,600</b>
Bihar	16,288	..	..	30,080
Orissa	210	540	..	..
West Bengal	688	896	7,335	..
A & N Islands	..	..	..	..
Sikkim	..	..	..	..
<b>SUB-TOTAL</b>	<b>17,186</b>	<b>1,436</b>	<b>7,335</b>	<b>30,080</b>
Andhra Pradesh	2,648	..	429	39,700
Karnataka	20,220	..	3,289	..
Kerala	..	..	1,893	..
Tamil Nadu	4,049	1,296	7,623	..
Pondicherry	..	..	..	..
Lakshadweep	..	..	..	..
<b>SUB-TOTAL</b>	<b>26,917</b>	<b>1,296</b>	<b>13,234</b>	<b>39,700</b>
Assam	..	390	541	715
Manipur	..	..	..	..
Meghalaya	..	..	..	..
Nagaland	..	..	..	..
Tripura	..	..	..	..
Arunachal Pradesh	..	..	..	..
Mizoram	..	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>390</b>	<b>541</b>	<b>715</b>
<b>TOTAL (ALL INDIA)</b>	<b>1,09,710</b>	<b>9,598</b>	<b>1,99,188</b>	<b>74,025</b>

TABLE NO. 28—Contd.

State/Uts	Engineering(Elec.)	Fertilizer	Food Products	Heavy Engineering
Haryana . . . . .	2,355	1,500	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	300	545	1,695	..
Rajasthan . . . . .	1,006	35,660	420	727
Uttar Pradesh . . . . .	18,032	..	5,579	4,841
Chandigarh . . . . .	112	..	..	..
Delhi . . . . .	..	..	294	..
<b>SUB-TOTAL</b> . . . . .	<b>21,805</b>	<b>37,705</b>	<b>7,988</b>	<b>5,568</b>
Gujarat . . . . .	723	2,358	62	..
Madhya Pradesh . . . . .	3,348	..	1,478	..
Maharashtra . . . . .	12,361	19,352	4,591	7,532
Goa, Daman & Diu . . . . .	..	..	..	..
D & N Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>16,432</b>	<b>21,710</b>	<b>6,131</b>	<b>7,532</b>
Bihar . . . . .	630	81,780	800	14,400
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	6,891	2,250	14,735	10,120
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>7,521</b>	<b>84,030</b>	<b>15,535</b>	<b>24,520</b>
Andhra Pradesh . . . . .	716	5,534	2,676	2,486
Karnataka . . . . .	10,143	..	1,461	7,414
Kerala . . . . .	56	15,950	1,354	..
Tamil Nadu . . . . .	1,364	3,045	1,763	4,352
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>12,279</b>	<b>24,529</b>	<b>7,254</b>	<b>14,252</b>
Assam . . . . .	..	1,000	1,103	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>1,000</b>	<b>1,103</b>	<b>..</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>58,037</b>	<b>1,68,974</b>	<b>38,011</b>	<b>51,872</b>

TABLE NO. 28—Contd.

State/Uts	Iron & Steel(P)	Iron & Steel(S)	Jute	Light Engineering
Haryana . . . . .	..	3,279	..	6,365
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	399
Punjab . . . . .	..	27	..	1,560
Rajasthan . . . . .	..	280	..	12,135
Uttar Pradesh . . . . .	..	1,517	2,228	4,674
Chandigarh . . . . .	..	..	..	20
Delhi . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	5,103	2,228	25,153
Gujarat . . . . .	..	1,385	..	980
Madhya Pradesh . . . . .	36,000	..	..	..
Maharashtra . . . . .	..	6,132	..	12,566
Goa, Daman & Diu . . . . .	..	..	..	..
D & N Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	36,000	7,517	..	13,546
Bihar . . . . .	265,000	5,458	8,700	..
Orissa . . . . .	1,40,130	..	..	..
West Bengal . . . . .	80,000	2,384	1,25,777	2,468
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	4,85,730	7,842	1,34,477	2,468
Andhra Pradesh . . . . .	..	..	4,159	..
Karnataka . . . . .	1,760	..	..	5,683
Kerala . . . . .	..	..	..	779
Tamil Nadu . . . . .	..	618	..	5,144
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	1,760	618	4,159	11,605
Assam . . . . .	..	..	150	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	150	..
<b>TOTAL (ALL INDIA)</b> . . . . .	5,22,890	21,080	1,41,014	52,773

TABLE NO. 28—Contd.

State/UT	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous	Paper
Haryana	..	..	5,484	136	9,750
Himachal Pradesh	..	..	364	..	..
Jammu & Kashmir	..	..	..	..	..
Punjab	..	..	1,677	..	..
Rajasthan	..	135	..	19,794	..
Uttar Pradesh	..	..	6,346	..	10,840
Chandigarh	..	..	720	..	..
Delhi	..	..	..	..	..
<b>Sub-TOTAL</b>	..	135	14,591	19,930	20,590
Gujarat	24,000	200	236	..	6,000
Madhya Pradesh	..	..	1,930	1,385	33,000
Maharashtra	..	..	9,640	48	9,125
Goa, Daman & Diu	..	100	248	..	..
D. & N. Haveli	..	..	..	..	..
<b>Sub-TOTAL</b>	24,000	300	12,054	1,433	48,125
Bihar	24,000	..	832	9,980	16,032
Orissa	..	..	..	..	16,700
West Bengal	31,751	..	11,818	..	35,859
A & N Islands	..	..	..	..	..
Sikkim	..	..	..	..	..
<b>Sub-TOTAL</b>	55,751	..	12,650	9,980	68,591
Andhra Pradesh	75	..	3,064	1,390	33,100
Karnataka	..	..	3,959	7,331	11,913
Kerala	..	..	440	..	180
Tamil Nadu	22,400	..	2,129	..	7,500
Pondicherry	..	..	..	..	..
Lakshadweep	..	..	..	..	..
<b>Sub-TOTAL</b>	22,475	..	9,592	8,721	52,693
Assam	43,786	..	755	..	8,300
Manipur	..	..	..	..	..
Meghalaya	..	..	..	..	..
Nagaland	..	..	..	..	..
Tripura	..	..	..	..	..
Arunachal Pradesh	..	..	..	..	..
Mizoram	..	..	..	..	..
<b>Sub-TOTAL</b>	43,786	..	755	..	8,300
<b>TOTAL (ALL INDIA)</b>	14,6,012	435	49,642	40,064	1,98,299

TABLE NO. 28—Contd.

State/Uts	Plastic	Rubber	Sugar	Textile	Total
Haryana . . . . .	..	1,731	8,440	15,139	63,526
Himachal Pradesh . . . . .	..	..	..	..	364
Jammu & Kashmir . . . . .	..	..	..	..	399
Punjab . . . . .	..	..	9,226	7,800	24,963
Rajasthan . . . . .	..	..	1,170	34,859	1,40,560
Uttar Pradesh . . . . .	..	9,686	1,34,093	43,721	3,92,996
Chandigarh . . . . .	..	..	..	..	2,512
Delhi . . . . .	..	..	..	8,388	31,182
<b>SUB-TOTAL</b> . . . . .	..	<b>11,417</b>	<b>1,52,929</b>	<b>1,09,907</b>	<b>65,6,502</b>
Gujarat . . . . .	..	..	30,620	4,77,011	1,87,322
Madhya Pradesh . . . . .	..	..	5,375	65,566	1,73,541
Maharashtra . . . . .	1,304	5,573	1,36,132	86,995	3,81,370
Goa, Daman & Diu . . . . .	..	..	..	9	9,353
D & N Haveli . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,304</b>	<b>5,573</b>	<b>1,72,127</b>	<b>2,00,271</b>	<b>7,51,586</b>
Bihar . . . . .	..	..	24,976	..	5,03,131
Orissa . . . . .	..	..	1,685	2,000	1,61,475
West Bengal . . . . .	133	7,200	778	25,639	3,87,460
A & N Islands . . . . .	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>133</b>	<b>7,200</b>	<b>27,439</b>	<b>27,639</b>	<b>10,52,066</b>
Andhra Pradesh . . . . .	2,970	..	47,928	13,081	1,59,956
Karnataka . . . . .	..	228	42,898	19,924	1,41,423
Kerala . . . . .	..	1,100	4,805	12,636	39,593
Tamil Nadu . . . . .	1,860	2,455	40,621	65,661	1,71,880
Pondicherry . . . . .	..	..	3,500	3,014	6,514
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>4,830</b>	<b>3,783</b>	<b>1,39,752</b>	<b>1,14,316</b>	<b>5,19,366</b>
Assam . . . . .	..	..	2,567	800	60,107
Manipur . . . . .	..	..	..	..	..
Meghalaya . . . . .	..	..	..	..	..
Nagaland . . . . .	..	..	1,500	..	1,500
Tripura . . . . .	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	<b>4,067</b>	<b>800</b>	<b>61,607</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>6,267</b>	<b>27,973</b>	<b>4,96,314</b>	<b>4,52,933</b>	<b>30,41,127</b>



TABLE NO. 29

*Gross Electricity Generation by Selected Industries*  
Regionwise/Statewise during 1980-81

(GWH)				
Region	State/Uts	Aluminium(P)	Aluminium(S)	Automobiles
<i>Northern Region</i>	Haryana	..	0.11	1.57
	Himachal Pradesh	..	..	..
	Jammu & Kashmir	..	..	..
	Punjab	..	..	0.06
	Rajasthan	..	..	..
	Uttar Pradesh	1,011.42	..	..
	Chandigarh	..	..	..
	Delhi	..	..	..
	<b>SUB-TOTAL</b>	<b>1,011.42</b>	<b>0.11</b>	<b>1.63</b>
<i>Western Region</i>	Gujarat	..	..	..
	Madhya Pradesh	..	..	..
	Maharashtra	..	3.55	9.18
	Goa, Daman & Diu	..	..	..
	Dadra & Nagar Haveli	..	..	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>3.55</b>	<b>9.18</b>
<i>Eastern Region</i>	Bihar	..	22.34	..
	Orissa	..	0.02	..
	West Bengal	..	0.65	..
	Andaman & Nicobar Islands	..	..	..
	Sikkim	..	..	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>23.01</b>	<b>..</b>
<i>Southern Region</i>	Andhra Pradesh	..	..	..
	Karnataka	..	0.34	5.23
	Kerala	..	0.01	..
	Tamil Nadu	..	..	..
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>0.35</b>	<b>5.23</b>
<i>North-Eastern Region</i>	Assam	..	..	..
	Manipur	..	..	..
	Meghalaya	..	..	..
	Nagaland	..	..	..
	Tripura	..	..	..
	Arunachal Pradesh	..	..	..
	Mizoram	..	..	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL(ALL INDIA)</b>		<b>1,011.42</b>	<b>27.02</b>	<b>16.04</b>

TABLE No. 29—Contd.

State/UTs	Cement(P)	Cement(S)	Chemicals	Collieries
Haryana . . . . .	0.01	5.06	0.58	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	..	..
Rajasthan . . . . .	55.95	..	32.41	..
Uttar Pradesh . . . . .	..	..	34.44	..
Chandigarh . . . . .	..	..	0.25	..
Delhi . . . . .	..	..	149.41	..
<b>SUB-TOTAL</b> . . . . .	<b>55.96</b>	<b>5.06</b>	<b>217.09</b>	<b>..</b>
Gujarat . . . . .	35.33	0.13	184.51	..
Madhya Pradesh . . . . .	116.39	0.07	0.19	6.30
Maharashtra . . . . .	..	1.80	86.39	..
Goa, Daman & Diu . . . . .	..	..	45.45	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>151.72</b>	<b>2.00</b>	<b>316.54</b>	<b>6.30</b>
Bihar . . . . .	50.64	..	..	38.62
Orissa . . . . .	..	0.16	..	..
West Bengal . . . . .	0.28	0.49	10.78	..
Andaman & Nicobar Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>50.92</b>	<b>0.65</b>	<b>10.78</b>	<b>38.62</b>
Andhra Pradesh . . . . .	1.16	..	..	134.28
Karnataka . . . . .	38.21	..	1.64	..
Kerala . . . . .	..	..	0.01	..
Tamil Nadu . . . . .	1.15	0.78	12.14	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>40.52</b>	<b>0.78</b>	<b>13.79</b>	<b>134.28</b>
Assam . . . . .	..	..	0.01	0.04
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>0.01</b>	<b>0.04</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>299.12</b>	<b>8.49</b>	<b>558.21</b>	<b>179.24</b>

TABLE No. 29—Contd.

(GWH)

State/UTs.	Engineering(Elect.)	Fertilizer	Food Products	Heavy Engineering
Haryana . . . . .	1.32	0.04	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	0.08	..	0.72	..
Rajasthan . . . . .	0.93	247.79	0.44	0.12
Uttar Pradesh . . . . .	26.82	..	6.82	3.30
Chandigarh . . . . .	0.05	..	..	..
Delhi . . . . .	..	..	0.07	..
<b>SUB-TOTAL</b> . . . . .	<b>29.20</b>	<b>247.83</b>	<b>8.05</b>	<b>3.42</b>
Gujarat . . . . .	0.12	..	..	..
Madhya Pradesh . . . . .	2.10	..	0.05	..
Maharashtra . . . . .	17.02	84.45	3.40	11.06
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>19.24</b>	<b>84.45</b>	<b>3.45</b>	<b>11.06</b>
Bihar . . . . .	1.61	178.23	1.15	15.37
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	5.76	2.80	13.50	10.07
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>7.37</b>	<b>181.03</b>	<b>14.65</b>	<b>25.44</b>
Andhra Pradesh . . . . .	0.21	0.63	3.25	0.14
Karnataka . . . . .	8.68	..	0.92	2.82
Kerala . . . . .	..	56.83	0.23	..
Tamil Nadu . . . . .	0.53	0.60	0.94	2.45
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>9.82</b>	<b>58.06</b>	<b>5.34</b>	<b>5.41</b>
Assam . . . . .	..	0.13	0.11	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>0.13</b>	<b>0.11</b>	<b>..</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>65.63</b>	<b>571.50</b>	<b>31.60</b>	<b>45.33</b>

TABLE No. 29—Contd.

State/UTs.	Iron & Steel(F)	Iron & Steel(S)	Jute	Light Engineering
Haryana . . . . .	..	1.90	..	6.41
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	0.04
Punjab . . . . .	..	0.01	..	0.90
Rajasthan . . . . .	..	0.58	..	17.21
Uttar Pradesh . . . . .	..	1.66	3.78	1.08
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	4.21	3.78	25.64
Gujarat . . . . .	..	0.26	..	0.12
Madhya Pradesh . . . . .	281.18	..	..	..
Maharashtra . . . . .	..	4.62	..	19.40
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	281.18	4.88	..	19.52
Bihar . . . . .	1,155.20	7.56	0.84	..
Orissa . . . . .	501.03	..	..	..
West Bengal . . . . .	212.14	0.60	183.40	0.82
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	1,868.37	8.16	184.24	0.82
Andhra Pradesh . . . . .	..	..	3.51	..
Karnataka . . . . .	..	..	..	5.41
Kerala . . . . .	..	..	..	0.03
Tamil Nadu . . . . .	..	0.16	..	8.47
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	0.16	3.51	13.91
Assam . . . . .	..	..	..	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..	..
<b>TOTAL (ALL INDIA)</b> . . . . .	2,149.55	17.41	191.53	59.89

TABLE No. 29—Contd.

State/UTs	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous	P. per
Haryana . . . . .	..	..	3.78	0.22	66.13
Himachal Pradesh . . . . .	..	..	0.10	..	..
Jammu & Kashmir . . . . .	..	..	..	..	..
Punjab . . . . .	..	..	1.55	..	..
Rajasthan . . . . .	..	0.05	..	24.69	..
Uttar Pradesh . . . . .	..	..	4.94	..	22.61
Chandigarh . . . . .	..	..	0.04	..	..
Delhi . . . . .	..	..	..	..	..
<b>SUB TOTAL</b> . . . . .	..	0.05	10.41	24.91	88.74
Gujarat . . . . .	135.27	0.05	0.10	..	23.48
Madhya Pradesh . . . . .	..	..	0.41	0.04	116.93
Madharashtra . . . . .	..	..	7.82	..	31.59
Goa, Daman & Diu . . . . .	..	0.01	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..	..
<b>SUB TOTAL</b> . . . . .	135.27	0.06	8.33	0.04	172.00
Bihar . . . . .	40.11	..	0.38	22.70	65.99
Orissa . . . . .	..	..	..	..	87.79
West Bengal . . . . .	108.56	..	12.04	..	98.46
A & N Islands . . . . .	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	148.67	..	12.42	22.70	252.24
Andhra Pradesh . . . . .	..	..	0.29	..	150.29
Karnataka . . . . .	..	..	1.77	2.69	32.42
Kerala . . . . .	..	..	..	..	..
Tamil Nadu . . . . .	107.59	..	1.61	..	35.33
Pondicherry . . . . .	..	..	..	..	..
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB TOTAL</b> . . . . .	107.59	..	3.67	2.69	218.04
Assam . . . . .	114.38	..	0.03	..	10.29
Manipur . . . . .	..	..	..	..	..
Meghalaya . . . . .	..	..	..	..	..
Nagaland . . . . .	..	..	..	..	..
Tripura . . . . .	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	114.38	..	0.03	..	10.29
<b>TOTAL(ALL INDIA)</b> . . . . .	505.91	0.11	34.86	50.34	741.31

TABLE NO. 29—Contd.

(GWH)

State/UTs	Plastic	Rubber	Sugar	Textile	Total
Haryana . . . . .	..	3.54	17.59	12.61	120.93
Himachal Pradesh . . . . .	..	..	..	..	0.10
Jammu & Kashmir . . . . .	..	..	..	..	0.04
Punjab . . . . .	..	..	7.56	8.56	19.44
Rajasthan . . . . .	..	..	0.42	77.23	457.82
Uttar Pradesh . . . . .	..	33.41	199.81	46.51	1,396.60
Chandigarh . . . . .	..	..	..	..	0.34
Delhi . . . . .	..	..	..	122.60	172.08
<b>SUB-TOTAL</b> . . . . .	..	36.95	225.38	167.51	2,167.35
Gujarat . . . . .	..	..	55.82	88.15	523.34
Madhya Pradesh . . . . .	..	..	4.18	198.82	726.66
Maharashtra . . . . .	1.16	17.26	232.05	254.35	785.10
Goa, Daman & Diu . . . . .	..	..	..	..	45.46
Delhi & Nagar Haveli . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	1.16	17.26	292.05	541.32	2,080.56
Bihar . . . . .	..	..	23.59	..	1,624.33
Orissa . . . . .	..	..	1.40	11.04	601.44
West Bengal . . . . .	..	11.44	0.14	42.81	714.74
A & N Islands . . . . .	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	11.44	25.13	53.85	2,540.51
Andhra Pradesh . . . . .	3.54	..	47.25	11.42	355.97
Karnataka . . . . .	..	0.22	54.94	48.28	203.57
Kerala . . . . .	..	..	5.52	15.80	88.13
Tamil Nadu . . . . .	2.85	3.46	79.96	143.39	401.81
Pondicherry . . . . .	..	..	4.79	1.67	6.48
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	6.39	3.68	217.56	230.56	1,056.24
Assam . . . . .	..	..	1.15	0.33	126.47
Manipur . . . . .	..	..	..	..	..
Meghalaya . . . . .	..	..	..	..	..
Nagaland . . . . .	..	..	2.50	..	2.50
Tripura . . . . .	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	3.65	0.33	128.97
<b>TOTAL (ALL INDIA)</b> . . . . .	7.55	69.33	738.67	993.57	8,373.63

TABLE NO. 30

*Electricity Production and Consumption in Selected Industries Industrywise during 1980-81*

Name of Industry	No. of Factories covered	Installed Capacity(KW)			Total
		Steam	Diesel	Hydro/Gas	
Aluminium(P)	7	1,53,450	340	..	1,53,790
Aluminium(S)	13	4,000	3,229	..	72,29
Automobile	15	..	14,927	..	14,927
Cement(P)	49	97,150	12,560	..	1,09,710
Cement(S)	24	..	9,598	..	9,598
Chemical	163	1,01,391	77,797	20,000 (G)	1,99,188
Collieries	441	59,800	14,295	..	74,095
Electrical Engg.	80	15,440	42,597	..	58,037
Fertilizer	26	1,58,330	10,644	..	1,68,974
Food Products	113	2,740	35,271	..	38,011
Heavy Engineering	35	..	51,872	..	51,872
Iron & Steel (P)	11	5,21,800	1,090	..	5,22,890
Iron & Steel(S)	114	944	20,136	..	21,080
Jute	77	33,160	1,07,854	..	1,41,014
Light Engineering	119	..	52,773	..	52,773
Mineral Oil & Petroleum	15	1,07,900	3,842	34,270 (G)	1,46,012
Mining & Quarrying	19	..	435	..	435
Miscellaneous	108	1,569	48,073	..	49,642
Non-Ferrous	33	6,000	34,064	..	40,064
Paper	57	1,91,275	7,024	..	1,98,299
Plastic	7	2,970	3,297	..	6,267
Rubber	16	6,000	21,973	..	27,973
Sugar	227	4,61,298	35,016	..	4,96,314
Textile	454	1,91,331	2,58,990	2,612 (H)	4,52,933
<b>TOTAL</b>	<b>2,223</b>	<b>2,116,548</b>	<b>8,67,697</b>	<b>54,270 (Gas) 2,612 (Hydro)</b>	<b>30,41,127</b>

TABLE No. 30—Contd.

Name of the Industry	Energy Generated(GWH)			Total
	Steam	Diesel	Hydro/Gas	
Aluminium(P)	1,011.42	..	..	1,011.42
Aluminium(S)	22.26	4.76	..	27.02
Automobile	..	16.04	..	16.04
Cement(P)	296.39	2.73	..	299.12
Cement(S)	..	8.49	..	8.49
Chemical	444.92	89.44	23.85(G)	558.21
Collieries	171.08	8.16	..	179.24
Electrical Engg.	22.02	43.61	..	65.63
Fertilizer	570.37	1.13	..	571.50
Food Products	2.52	29.08	..	31.60
Heavy Engineering	..	45.33	..	45.33
Iron & Steel(P)	2,149.55	..	..	2,149.55
Iron & Steel(S)	1.14	16.27	..	17.41
Jute	70.98	120.55	..	191.53
Light Engineering	..	59.89	..	59.89
Mineral Oil & Petroleum	416.17	11.77	77.97(G)	505.91
Mining & Quarrying	..	0.11	..	0.11
Miscellaneous	1.26	33.60	..	34.86
Non-Ferrous	8.83	41.51	..	50.34
Paper	733.01	8.30	..	741.31
Plastic	3.54	4.01	..	7.55
Rubber	27.59	41.74	..	69.33
Sugar	726.76	11.91	..	738.67
Textile	522.96	455.55	15.06(H)	993.57
<b>TOTAL</b>	<b>7,202.77</b>	<b>1,053.98</b>	<b>101.82 (Gas) 15.06 (Hydro)</b>	<b>8,773.63</b>



TABLE NO. 30—Contd.

(GWH)			
Name of the Industry	Energy used in Station Auxiliary	Energy purchased from utilities	Energy used in Industry
Aluminium (P)	88.44	2,041.82	2,964.80
Aluminium (S)	1.27	71.55	97.24
Automobile	0.78	156.60	171.86
Cement (P)	30.89	1,593.10	1,861.33
Cement (S)	0.25	312.97	321.21
Chemical	47.87	3,680.17	4,180.60
Collieries	23.71	1,307.76	1,463.29
Electrical Engg.	10.65	470.27	525.25
Fertilizer	72.96	3,589.25	4,067.37
Food Products	1.21	272.56	302.95
Heavy Engineering	1.78	516.26	559.81
Iron & Steel (P)	373.70	2,525.00	4,300.31
Iron & Steel (S)	0.73	1,308.96	1,325.64
Jute	12.24	539.53	716.59
Light Engineering	2.54	486.24	543.59
Mineral Oil & Petroleum	53.45	289.73	647.71
Mining & Quarrying	..	87.15	87.26
Miscellaneous	2.26	712.75	745.35
Non-Ferrous	2.63	1,458.91	1,506.52
Paper	75.93	1,050.23	1,715.61
Plastic	0.73	86.53	93.35
Rubber	4.56	205.84	270.61
Sugar	68.43	145.33	815.57
Textile	89.93	5,168.74	6,072.38
<b>TOTAL</b>	<b>966.94</b>	<b>28,077.15</b>	<b>35,356.20</b>

TABLE NO. 30—Contd.

(GWH)

Name of Industry	Energy sold to		Aggregate Max. Demand	
	Utilities	Non-Utilities	Generation	Purchase
Aluminium (P)	..	..	1,24,000	3,80,019
Aluminium (S)	..	0.06	5,012	21,812
Automobile	..	..	10,434	55,375
Cement (P)	..	..	72,700	3,64,986
Cement (S)	..	..	5,873	70,435
Chemical	9.91	..	1,32,745	7,71,616
Collieries	..	..	44,143	3,10,406
Electrical Engg.	..	..	39,848	1,59,613
Fertilizer	20.42	..	1,07,952	6,92,535
Food Products	..	..	20,108	82,410
Heavy Engineering	..	..	31,970	1,82,597
Iron & Steel (P)	0.54	..	3,94,600	6,12,204
Iron & Steel (S)	..	..	13,722	4,86,213
Jute	..	2.33	86,312	1,25,437
Light Engineering	..	..	37,049	1,75,631
Mineral Oil & Petroleum	81.94	12.54	92,116	1,03,448
Mining & Quarrying	..	..	250	29,474
Miscellaneous	..	..	26,482	2,19,099
Non-Ferrous	..	..	28,110	3,54,297
Paper	..	..	1,46,080	2,13,367
Plastic	..	..	4,010	32,918
Rubber	..	..	18,845	54,372
Sugar	..	..	3,66,006	85,777
Textile	..	..	2,82,166	10,34,635
<b>TOTAL</b>	<b>112.81*</b>	<b>14.83</b>	<b>20,90,533</b>	<b>66,18,674</b>

\*This does not include 2.92GWH energy purchased by A &amp; N Islands Elect. Department.

TABLE No. 31

*Installed Capacity, Electricity Generation and Consumption in Selected Industries*  
Regionwise/Statewise during 1980-81

Region	State/UTs.	Total No. of Industrial units covered	Installed Capacity (KW)			
			Steam	Diesel	Hydro/Gas	Total
<i>Northern Region</i>	Haryana . . . . .	65	27,234	36,292	..	63,526
	Himachal Pradesh . . . . .	4	..	364	..	364
	Jammu & Kashmir . . . . .	1	..	399	..	399
	Punjab . . . . .	46	10,505	14,458	..	24,963
	Rajasthan . . . . .	74	73,284	67,276	..	1,40,560
	Uttar Pradesh . . . . .	169	3,16,815	76,181	..	3,92,996
	Chandigarh . . . . .	6	..	2,512	..	2,512
	Delhi . . . . .	14	29,500	1,682	..	31,182
	<b>SUB-TOTAL</b> . . . . .	<b>379</b>	<b>4,57,338</b>	<b>1,99,164</b>	<b>..</b>	<b>6,56,502</b>
<i>Western Region</i>	Gujarat . . . . .	217	1,36,405	50,917	..	1,87,322
	Madhya Pradesh . . . . .	109	1,63,245	10,296	..	1,73,541
	Maharashtra . . . . .	403	1,79,473	1,81,897	20,000 (G)	3,81,370
	Goa, Daman & Diu . . . . .	10	7,500	1,853	..	9,353
	Dadra & Nagar Haveli . . . . .	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>739</b>	<b>4,86,623</b>	<b>2,44,963</b>	<b>20,000</b>	<b>7,51,586</b>
<i>Eastern Region</i>	Bihar . . . . .	254	4,57,352	45,779	..	5,03,131
	Orissa . . . . .	34	1,60,385	1,090	..	1,61,475
	West Bengal . . . . .	384	1,95,875	1,91,585	..	3,87,460
	A & N Islands . . . . .	..	..	..	..	..
	Sikkim . . . . .	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>672</b>	<b>8,13,612</b>	<b>2,38,454</b>	<b>..</b>	<b>10,52,066</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	88	1,36,050	23,906	..	1,59,956
	Karnataka . . . . .	117	80,395	58,416	2,612 (H)	1,41,423
	Kerala . . . . .	57	32,100	7,493	..	39,593
	Tamil Nadu . . . . .	136	87,110	84,770	..	1,71,880
	Pondicherry (R) . . . . .	11	4,395	2,119	..	6,514
	Lakshadweep . . . . .	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>409</b>	<b>3,40,050</b>	<b>1,76,704</b>	<b>2,612</b>	<b>5,19,266</b>
<i>North Eastern Region</i>	Assam . . . . .	22	17,425	8,412	34,270 (G)	60,107
	Manipur . . . . .	..	..	..	..	..
	Meghalaya . . . . .	1	..	..	..	..
	Nagaland . . . . .	1	1,500	..	..	1,500
	Tripura . . . . .	..	..	..	..	..
	Arunachal Pradesh . . . . .	..	..	..	..	..
	Mizoram . . . . .	..	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>24</b>	<b>18,925</b>	<b>8,412</b>	<b>34,270</b>	<b>61,007</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>2,223</b>	<b>21,16,548</b>	<b>8,67,697</b>	<b>2,612 (H) 54,270 (G)</b>	<b>30,41,127</b>

NOTE:— G=Gas  
H=Hydro

TABLE No. 31—Contd.

State/UTs.	Aggregate Maximum Demand (KW)		Energy Generation (GWH)			
	Generation	Purchase	Steam	Diesel	Hydro/Gas	Total
Haryana . . . . .	45,193	1,36,741	94.17	26.76	..	120.93
Himachal Pradesh . . . . .	170	3,610	..	0.10	..	0.10
Jammu & Kashmir . . . . .	250	896	..	0.04	..	0.04
Punjab . . . . .	14,865	2,45,816	6.38	13.06	..	19.44
Rajasthan . . . . .	1,07,515	2,64,551	345.79	112.03	..	457.82
Uttar Pradesh . . . . .	3,04,204	5,74,419	1,320.09	76.51	..	1,396.60
Chandigarh . . . . .	1,700	5,740	..	0.34	..	0.34
Delhi . . . . .	26,400	24,738	172.01	0.07	..	172.08
<b>Sub-TOTAL</b> . . . . .	<b>4,99,997</b>	<b>12,56,511</b>	<b>1,938.44</b>	<b>228.91</b>	<b>..</b>	<b>2,167.35</b>
Gujarat . . . . .	1,22,380	6,62,262	472.73	50.61	..	523.34
Madhya Pradesh . . . . .	1,33,736	5,28,936	721.08	5.58	..	726.66
Maharashtra . . . . .	2,63,909	9,46,945	444.44	316.81	23.85 (G)	785.10
Goa, Daman & Diu . . . . .	6,890	18,132	45.14	0.32	..	45.46
D & N Haveli . . . . .	..	..	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	<b>5,26,915</b>	<b>21,56,275</b>	<b>1,683.39</b>	<b>373.32</b>	<b>23.85</b>	<b>2,080.56</b>
Bihar . . . . .	3,41,993	6,02,910	1,574.62	49.71	..	1,624.33
Orissa . . . . .	1,27,440	3,44,329	601.26	0.18	..	601.44
West Bengal . . . . .	2,15,598	6,47,000	503.95	210.79	..	714.74
A & N Islands . . . . .	..	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	<b>1,59,423</b>	<b>15,94,239</b>	<b>2,679.83</b>	<b>260.68</b>	<b>..</b>	<b>2,940.51</b>
Andhra Pradesh . . . . .	95,686	3,81,705	346.62	9.35	..	355.97
Karnataka . . . . .	98,901	5,18,609	145.47	43.04	15.06 (H)	203.57
Kerala . . . . .	27,805	2,19,841	88.05	0.38	..	88.43
Tamil Nadu . . . . .	1,19,067	4,78,453	278.02	123.79	..	401.81
Pondicherry (R) . . . . .	3,240	13,041	5.25	1.21	..	6.46
Lakshadweep . . . . .	..	..	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	<b>3,44,699</b>	<b>16,11,649</b>	<b>863.41</b>	<b>177.77</b>	<b>15.06</b>	<b>1,056.24</b>
Assam . . . . .	33,091	76,141	35.20	13.30	77.97 (G)	126.47
Manipur . . . . .	..	..	..	..	..	..
Meghalaya . . . . .	..	5,350	..	..	..	..
Nagaland . . . . .	800	500	2.50	..	..	2.50
Tripura . . . . .	..	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	<b>33,891</b>	<b>81,991</b>	<b>37.70</b>	<b>13.30</b>	<b>77.97</b>	<b>128.97</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>20,90,533</b>	<b>66,18,674</b>	<b>7,202.77</b>	<b>1,053.98</b>	<b>101.82 (G) 15.06 (H)</b>	<b>8,373.63</b>

TABLE NO. 31—Contd.

(GWH)

State/UTs	Energy used in Auxiliaries	Energy purchased from		Energy used in industries	Energy sold to	
		Utilities	Non-Utilities		Utilities	Non-Utilities
Haryana . . . . .	10.21	450.48	..	561.20	..	..
Himachal Pradesh . . . . .	..	11.43	..	11.53	..	..
Jammu & Kashmir . . . . .	..	1.36	..	1.40	..	..
Punjab . . . . .	1.27	1,150.17	..	1,168.34	..	..
Rajasthan . . . . .	48.91	913.21	..	1,322.12	..	..
Uttar Pradesh . . . . .	131.52	2,005.43	..	3,270.51	..	..
Chandigarh . . . . .	0.01	20.71	..	21.04	..	..
Delhi . . . . .	20.69	80.12	..	231.51	..	..
<b>SUB-TOTAL</b> . . . . .	<b>212.61</b>	<b>4,632.91</b>	<b>..</b>	<b>6,587.65</b>	<b>..</b>	<b>..</b>
Gujarat . . . . .	49.11	3,376.74	..	3,821.51	13.11	10.35
Madhya Pradesh . . . . .	106.10	2,450.18	..	3,070.74	..	..
Maharashtra . . . . .	50.06	4,329.85	..	5,064.89	..	..
Goa, Daman & Diu . . . . .	0.58	55.34	..	100.22	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>205.85</b>	<b>10,212.11</b>	<b>..</b>	<b>12,063.36</b>	<b>13.11</b>	<b>10.35</b>
Bihar . . . . .	245.24	2,201.32	..	3,559.63	20.72	0.06
Orissa . . . . .	103.08	1,594.05	..	2,091.87	0.54	..
West Bengal . . . . .	85.21	2,357.32	..	2,984.62	..	2.23
A & N Islands . . . . .	..	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>433.53</b>	<b>6,152.69</b>	<b>..</b>	<b>8,636.12</b>	<b>21.26</b>	<b>2.29</b>
Andhra Pradesh . . . . .	36.90	1,634.38	..	1,953.45	..	..
Karnataka . . . . .	13.67	1,830.84	..	2,020.74	..	..
Kerala . . . . .	14.18	1,109.49	..	1,183.74	..	..
Tamil Nadu . . . . .	42.10	2,283.13	..	2,631.79	11.05	..
Pondicherry . . . . .	0.57	50.26	..	56.15	..	..
Lakshadweep . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>107.42</b>	<b>6,908.10</b>	<b>..</b>	<b>7,845.87</b>	<b>11.05</b>	<b>..</b>
Assam . . . . .	7.28	159.66	..	209.27	67.39	2.19
Manipur . . . . .	..	..	..	..	..	..
Meghalaya . . . . .	..	11.46	..	11.46	..	..
Nagaland . . . . .	0.25	0.22	..	2.47	..	..
Tripura . . . . .	..	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>7.53</b>	<b>171.34</b>	<b>..</b>	<b>223.20</b>	<b>67.39</b>	<b>2.19</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>966.94</b>	<b>28,077.15</b>	<b>..</b>	<b>35,356.20</b>	<b>112.81*</b>	<b>14.83</b>

\*This does not include 2.92 GWH energy purchased by A &amp; N Islands Electricity Department.

TABLE NO. 32  
*Energy Consumption by Selected Industries*  
 Regionwise/Statewise during 1980-1981

(GWH)				
Region	State/UTs.	Aluminium (P)	Aluminium (S)	Automobile
<i>Northern Region</i>	Haryana . . . . .	..	1.30	9.81
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	..	..	..
	Punjab . . . . .	..	..	13.86
	Rajasthan . . . . .	..	..	..
	Uttar Pradesh . . . . .	1,410.63	..	..
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	..	..	..
	<b>SUB-TOTAL . . . . .</b>	<b>1,410.63</b>	<b>1.30</b>	<b>23.67</b>
<i>Western Region</i>	Gujarat . . . . .	..	..	..
	Madhya Pradesh . . . . .	608.13	..	2.08
	Maharashtra . . . . .	..	28.32	61.44
	Goa, Daman & Diu . . . . .	..	..	..
	Dadra & Nagar Haveli . . . . .	..	..	..
		<b>SUB-TOTAL . . . . .</b>	<b>608.13</b>	<b>28.32</b>
<i>Eastern Region</i>	Bihar . . . . .	..	21.46	..
	Orissa . . . . .	317.48	4.19	..
	West Bengal . . . . .	4.31	32.38	55.60
	A & N Islands . . . . .	..	..	..
	Sikkim . . . . .	..	..	..
		<b>SUB-TOTAL . . . . .</b>	<b>321.79</b>	<b>58.03</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	..	..
	Karnataka . . . . .	26.30	2.59	29.07
	Kerala . . . . .	151.11	7.00	..
	Tamil Nadu . . . . .	446.84	..	..
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
		<b>SUB-TOTAL . . . . .</b>	<b>624.25</b>	<b>9.59</b>
<i>North-Eastern Region</i>	Assam . . . . .	..	..	..
	Manipur . . . . .	..	..	..
	Meghalaya . . . . .	..	..	..
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	..	..	..
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
		<b>SUB-TOTAL . . . . .</b>	<b>..</b>	<b>..</b>
	<b>TOTAL (ALL INDIA) . . . . .</b>	<b>2,964.80</b>	<b>97.24</b>	<b>171.86</b>

NOTE:—P=Primary, S=Secondary

TABLE NO. 32—Contd.

State/UTs	Cement (P)	Cement (S)	Chemicals	Collieries
Haryana . . . . .	38.44	25.19	13.07	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	5.35	..
Rajasthan . . . . .	220.67	..	38.98	..
Uttar Pradesh . . . . .	85.46	..	258.00	4.92
Chandigarh . . . . .	..	..	8.86	..
Delhi . . . . .	..	..	145.76	..
<b>SUB-TOTAL</b> . . . . .	<b>344.57</b>	<b>25.19</b>	<b>467.02</b>	<b>4.92</b>
Gujarat . . . . .	153.20	39.97	1,161.36	..
Madhya Pradesh . . . . .	250.90	166.84	211.88	281.87
Maharashtra . . . . .	62.97	17.34	710.12	63.27
Goa, Daman & Diu . . . . .	..	..	59.91	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>467.07</b>	<b>224.15</b>	<b>2,143.27</b>	<b>345.14</b>
Bihar . . . . .	190.21	..	65.18	541.83
Orissa . . . . .	56.65	55.70	50.20	44.55
West Bengal . . . . .	25.91	5.90	230.11	292.40
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>272.77</b>	<b>61.60</b>	<b>345.49</b>	<b>878.78</b>
Andhra Pradesh . . . . .	265.67	..	175.57	229.34
Karnataka . . . . .	200.68	..	202.06	..
Kerala . . . . .	7.63	..	334.75	..
Tamil Nadu . . . . .	273.67	4.87	510.55	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>747.65</b>	<b>4.87</b>	<b>1,222.93</b>	<b>229.34</b>
Assam . . . . .	17.81	5.40	1.89	5.11
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	11.46	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>29.27</b>	<b>5.40</b>	<b>1.89</b>	<b>5.11</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>1,861.33</b>	<b>321.21</b>	<b>4,180.60</b>	<b>1,463.29</b>

TABLE No. 32—Contd.

State/UTs.	Electrical Engineering	Fertilizer	Food Products	Heavy Engg.
Haryana . . . . .	12.97	103.27	2.84	..
Himachal Pradesh . . . . .	..	..	0.77	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	0.99	835.61	23.26	..
Rajasthan . . . . .	4.96	578.73	20.47	3.14
Uttar Pradesh . . . . .	98.68	445.60	34.70	33.29
Chandigarh . . . . .	1.16	..	..	..
Delhi . . . . .	..	..	12.13	..
<b>SUB-TOTAL</b> . . . . .	<b>118.76</b>	<b>1,763.21</b>	<b>94.17</b>	<b>36.43</b>
Gujarat . . . . .	13.02	453.25	37.60	..
Madhya Pradesh . . . . .	49.82	..	14.72	..
Maharashtra . . . . .	162.99	402.38	46.77	66.37
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>225.83</b>	<b>855.63</b>	<b>99.09</b>	<b>66.37</b>
Bihar . . . . .	11.38	211.48	2.92	255.28
Orissa . . . . .	..	145.60	..	15.22
West Bengal . . . . .	26.27	79.00	25.76	90.64
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>37.65</b>	<b>436.08</b>	<b>28.68</b>	<b>361.14</b>
Andhra Pradesh . . . . .	31.92	134.92	26.82	34.75
Karnataka . . . . .	78.57	..	17.74	38.17
Kerala . . . . .	6.34	370.78	21.52	..
Tamil Nadu . . . . .	26.18	424.03	12.11	22.95
Pondicherry . . . . .	..	..	1.15	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>143.01</b>	<b>929.73</b>	<b>79.34</b>	<b>95.87</b>
Assam . . . . .	..	82.72	1.67	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>82.72</b>	<b>1.67</b>	<b>..</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>525.25</b>	<b>4,067.37</b>	<b>302.95</b>	<b>559.81</b>



TABLE No. 32—Contd.

State/UTs.	Iron & Steel(P)	Iron & Steel(S)	Jute	Light Engineering
Haryana . . . . .	..	42.04	..	38.73
Himachal Pradesh . . . . .	..	9.86	..	..
Jammu & Kashmir . . . . .	..	..	..	1.40
Punjab . . . . .	..	116.75	..	33.56
Rajasthan . . . . .	..	25.56	0.73	73.01
Uttar Pradesh . . . . .	..	67.75	14.00	24.28
Chandigarh . . . . .	..	..	..	3.17
Delhi . . . . .	..	3.12	..	1.52
<b>SUB-TOTAL</b> . . . . .	..	265.08	14.73	175.67
Gujarat . . . . .	..	125.66	..	21.56
Madhya Pradesh . . . . .	696.31	69.57	..	12.47
Maharashtra . . . . .	..	322.02	..	163.61
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	696.31	517.25	..	197.64
Bihar . . . . .	1,690.03	198.46	13.20	..
Orissa . . . . .	903.99	1.76	..	..
West Bengal . . . . .	543.86	220.72	643.55	21.10
Andaman & Nicobar Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	3,137.88	420.94	656.75	21.10
Andhra Pradesh . . . . .	..	36.53	45.11	6.91
Karnataka . . . . .	466.12	58.46	..	113.59
Kerala . . . . .	..	24.21	..	1.94
Tamil Nadu . . . . .	..	2.93	..	26.74
Pondicherry . . . . .	..	0.24	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	466.12	122.37	45.11	149.18
Assam . . . . .	..	..	..	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..	..
<b>TOTAL (ALL INDIA)</b> . . . . .	4,300.31	1,325.64	716.59	543.59

TABLE NO. 32—Contd.

State/UTs.	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous
Haryana . . . . .	..	..	30.60	0.54
Himachal Pradesh . . . . .	..	..	0.90	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	15.76	..
Rajasthan . . . . .	..	1.96	..	292.07
Uttar Pradesh . . . . .	..	..	103.97	..
Chandigarh . . . . .	..	..	7.85	..
Delhi . . . . .	..	..	2.34	..
<b>Sub-TOTAL</b> . . . . .	..	1.96	161.42	292.61
Gujarat . . . . .	138.59	0.05	8.66	..
Madhya Pradesh . . . . .	..	1.68	103.19	3.86
Maharashtra . . . . .	181.82	..	235.88	88.85
Goa, Daman & Diu . . . . .	..	31.21	6.11	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	320.41	32.94	353.84	92.71
Bihar . . . . .	36.64	16.49	8.96	120.01
Orissa . . . . .	..	27.55	..	253.19
West Bengal . . . . .	87.07	..	139.61	..
Andaman & Nicobar Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	123.71	44.04	148.57	373.20
Andhra Pradesh . . . . .	20.47	..	12.65	402.56
Karnataka . . . . .	..	8.32	43.13	345.44
Kerala . . . . .	37.15	..	12.80	..
Tamil Nadu . . . . .	90.15	..	11.89	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>Sub-TOTAL</b> . . . . .	147.77	8.32	80.47	748.00
Assam . . . . .	55.82	..	1.05	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>Sub-Total</b> . . . . .	55.82	..	1.05	..
<b>TOTAL (ALL INDIA)</b> . . . . .	647.71	87.26	745.35	1,506.52

TABLE NO. 32—Contd.

State/UTs.	Paper	Plastic	Rubber
Haryana . . . . .	115.20	..	25.86
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	1.00	..	..
Uttar Pradesh . . . . .	54.29	..	76.91
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>170.49</b>	<b>..</b>	<b>102.77</b>
Gujarat . . . . .	77.70	..	..
Madhya Pradesh . . . . .	240.45	..	..
Maharashtra . . . . .	155.85	63.56	56.58
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>474.00</b>	<b>63.56</b>	<b>56.58</b>
Bihar . . . . .	139.49	..	..
Orissa . . . . .	185.90	..	..
West Bengal . . . . .	193.33	0.52	62.15
A & N Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>518.72</b>	<b>0.52</b>	<b>62.15</b>
Andhra Pradesh . . . . .	304.64	7.37	..
Karnataka . . . . .	109.82	..	1.84
Kerala . . . . .	21.31	..	26.41
Tamil Nadu . . . . .	81.12	21.90	20.86
Pondicherry . . . . .	7.53	..	..
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>534.42</b>	<b>29.27</b>	<b>49.11</b>
Assam . . . . .	27.98	..	..
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>27.98</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,715.16</b>	<b>93.35</b>	<b>270.61</b>

TABLE NO. 32—Contd.

State/Uts	Sugar	Textile	Total
Haryana . . . . .	19.71	81.63	561.20
Himachal Pradesh . . . . .	..	..	11.53
Jammu & Kashmir . . . . .	..	..	1.40
Punjab . . . . .	10.90	112.30	1,168.34
Rajasthan . . . . .	3.94	259.90	1,322.12
Uttar Pradesh . . . . .	229.59	328.44	3,270.51
Chandigarh . . . . .	..	..	21.04
Delhi . . . . .	..	66.64	231.51
<b>SUB-TOTAL</b> . . . . .	<b>264.14</b>	<b>848.91</b>	<b>6,587.65</b>
Gujarat . . . . .	54.43	1,542.46	3,827.51
Madhya Pradesh . . . . .	4.47	352.50	3,070.74
Maharashtra . . . . .	245.66	1,929.09	5,064.89
Goa, Daman & Diu . . . . .	..	2.99	100.22
Dadra & Nagar Haveli . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>304.56</b>	<b>3,827.04</b>	<b>12,063.36</b>
Bihar . . . . .	24.48	12.13	3,559.63
Orissa . . . . .	2.62	27.27	2,091.87
West Bengal . . . . .	1.94	202.49	2,984.62
A & N Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>29.04</b>	<b>241.89</b>	<b>8,636.12</b>
Andhra Pradesh . . . . .	55.13	163.09	1,953.45
Karnataka . . . . .	68.67	210.17	2,020.74
Kerala . . . . .	6.03	154.76	1,183.74
Tamil Nadu . . . . .	78.96	576.04	2,631.79
Pondicherry . . . . .	5.40	41.83	56.15
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>214.19</b>	<b>1,145.89</b>	<b>7,845.87</b>
Assam . . . . .	1.17	8.65	209.27
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	11.46
Nagaland . . . . .	2.47	..	2.47
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3.64</b>	<b>8.65</b>	<b>223.20</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>815.57</b>	<b>6,072.38</b>	<b>35,356.20</b>

TABLE NO. 33

*Classification of Captive Plants—Capacitywise during 1980-81*

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 . . . . .	700	348.00	11.44	304.63	3.64
Over 1.00 upto 10.00 . . . . .	477	1,338.67	44.02	2,402.43	28.69
Over 10.00 upto 25.00 . . . . .	29	466.29	15.33	1,665.97	19.89
Above 25.00 . . . . .	12	888.17	29.21	4,000.60	47.78
<b>TOTAL</b> . . . . .	1,218	3,041.13	100.00	8,373.63	100.00

TABLE NO. 34

*Installed Plant Capacity and Electricity Generation by the Railways—Regionwise/Statewise during the year 1980-81*

Region	Name of State/UT	Installed Plant Capacity (KW)		
		Steam	Diesel	Total
<i>Northern Region</i>	Haryana . . . . .	..	1,444	1,444
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	..	160	160
	Punjab . . . . .	..	2,036	2,036
	Rajasthan . . . . .	2,000	5,756	7,756
	Uttar Pradesh . . . . .	5,500	6,779	12,279
	Delhi . . . . .	..	909	909
	<b>SUB-TOTAL</b> . . . . .	<b>7,500</b>	<b>17,084</b>	<b>24,584</b>
<i>Western Region</i>	Gujarat . . . . .	2,500	1,837	4,337
	Madhya Pradesh . . . . .	..	1,622	1,622
	Maharashtra . . . . .	..	1,899	1,899
	<b>SUB-TOTAL</b> . . . . .	<b>2,500</b>	<b>5,358</b>	<b>7,858</b>
<i>Eastern Region</i>	Bihar . . . . .	2,800	2,538	5,338
	West Bengal . . . . .	7,160	8,332	15,492
	<b>SUB-TOTAL</b> . . . . .	<b>9,960</b>	<b>10,870</b>	<b>20,830</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	1,362	1,362
	Karnataka . . . . .	..	1,496	1,496
	Kerala . . . . .	..	115	115
	Tamil Nadu . . . . .	..	1,022	1,022
	<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>3,995</b>	<b>3,995</b>
<i>North Eastern Region</i>	Assam . . . . .	..	3,854	3,854
	Nagaland . . . . .	..	120	120
	Tripura . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>3,974</b>	<b>3,974</b>
	<b>TOTAL (ALL INDIA)</b>	<b>19,960</b>	<b>41,281</b>	<b>61,241</b>

TABLE NO. 34—Contd.

(GWH)

Name of State/UTs.	Maximum Demand (KVA)	Electricity Generation			Energy used in Auxiliaries (GWH)
		Steam	Diesel	Total	
Haryana . . . . .	797	..	0.48	0.48	Neg
Himachal Pradesh . . . . .	..	..	..	..	..
Jammu & Kashmir . . . . .	120	..	0.03	0.03	Neg.
Punjab . . . . .	1,636	..	0.15	0.15	Neg.
Rajasthan . . . . .	3,718	1.72	1.48	3.20	0.16
Uttar Pradesh . . . . .	7,729	5.06	2.12	7.18	0.31
Delhi . . . . .	388	..	0.02	0.02	Neg.
<b>SUB-TOTAL</b> . . . . .	<b>14,388</b>	<b>6.78</b>	<b>4.28</b>	<b>11.06</b>	<b>0.47</b>
Gujarat . . . . .	1,594	5.88	0.03	5.91	0.48
Madhya Pradesh . . . . .	840	..	0.14	0.14	Neg.
Maharashtra . . . . .	1,151	..	0.21	0.21	0.01
<b>SUB-TOTAL</b> . . . . .	<b>3,585</b>	<b>5.88</b>	<b>0.38</b>	<b>6.26</b>	<b>0.49</b>
Bihar . . . . .	5,026	7.91	1.34	9.25	1.03
West Bengal . . . . .	5,173	8.27	5.52	13.79	0.87
<b>SUB-TOTAL</b> . . . . .	<b>10,199</b>	<b>16.18</b>	<b>6.86</b>	<b>23.04</b>	<b>1.90</b>
Andhra Pradesh . . . . .	694	..	0.16	0.16	..
Karnataka . . . . .	899	..	0.15	0.15	..
Kerala . . . . .	76	..	0.01	0.01	..
Tamil Nadu . . . . .	572	..	0.06	0.06	Neg.
<b>SUB-TOTAL</b> . . . . .	<b>2,241</b>	<b>..</b>	<b>0.38</b>	<b>0.38</b>	<b>..</b>
Assam . . . . .	2,292	..	1.63	1.63	0.04
Nagaland . . . . .	100	..	0.05	0.05	Neg.
Tripura . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>2,392</b>	<b>..</b>	<b>1.68</b>	<b>1.68</b>	<b>0.04</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>32,805</b>	<b>28.84</b>	<b>13.58</b>	<b>42.42</b>	<b>2.90</b>

TABLE NO. 35

*Zonewise Installed Plant Capacity and Electricity Generation by the Railways during the year 1980-81*

Sl. No.	Name of Railways	Installed Capacity(KW)		
		Steam	Diesel	Total
1	Central Railways (P)	..	5,717	5,717
2	Eastern Railways (R)	2,800	3,500	6,300
3	Northern Railways	2,500	10,632	13,132
4	North Eastern Railways (R)	3,000	1,125	4,125
5	North East Frontier Railways	..	7,063	7,063
6	Southern Railways	..	1,238	1,238
7	South Central Railways	..	2,701	2,701
8	South Eastern Railways	7,160	4,180	11,340
9	Western Railways	4,500	5,125	9,625
<b>TOTAL</b>		<b>19,960</b>	<b>41,281</b>	<b>61,241</b>

NOTE.—(P) Data for the year 1979-80.

(R) Data for the earlier year repeated due to the non-availability of information.

TABLE NO. 35—Contd.

Sl. No.	Maximum Demand (KVA)	Electricity Generation (GWH)			Energy used in Auxiliaries (GWH)
		Steam	Diesel	Total	
1	3,520	..	1.27	1.27	0.02
2	4,875	7.91	0.95	8.86	1.03
3	8,570	5.06	2.39	7.45	0.31
4	2,612	Neg.	0.07	0.07	Neg.
5	4,300	..	7.61	7.61	0.08
6	693	..	0.07	0.07	Neg.
7	1,388	..	0.28	0.28	Neg.
8	2,750	8.27	..	8.27	0.81
9	4,097	7.60	0.94	8.54	0.65
<b>TOTAL</b>	<b>32,805</b>	<b>28.84</b>	<b>13.58</b>	<b>42.42</b>	<b>2.90</b>



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

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## ELECTRIC POWER SUPPLY AND SYSTEM LOSSES

During the year 1980-81 gross electricity generation was 110843.96 Gwh, out of this 7230.46 Gwh was used in power station auxiliaries which represents 6.52% of the gross electricity generation. Thus net generation at the bus-bar was 103613.50 Gwh. Electricity purchased by Public Utilities from captive plants was 115.73 Gwh and electricity imported from Nepal was 4.63 Gwh. Thus the total electricity available for supply during the year was 103733.86 Gwh compared to 98199.62 Gwh during the year 1979-80.

Electricity sold to various classes of consumers during the year was 82367.18 Gwh and exported to outside the country i.e. Nepal and Bhutan was 42.09 Gwh. The electricity lost in transformation, transmission and distribution system and electricity unaccounted for worked out to 21324.59 Gwh representing 20.56% of the total electricity available as compared to 20.44% during 1979-80. Amongst all the regions percentage system losses were maximum in North Eastern Region (23.62%). This was followed by Southern Region (21.97%), Northern Region (20.92%), Western Region (19.51%) and Eastern Region (17.42%).

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 and aggregate maximum demand at generating stations.

TABLE NO. 36

*Electricity generated, Purchased, Sold and Energy Losses*  
ALL INDIA UTILITIES during 1980-81

Sl.No.	Item	Energy (GWH)	Percentage of item 6
1	Energy generated(gross)(utilities)	1,10,843.96	100.00
2	Energy used in power station auxiliaries.	7,230.46	6.52
3	Energy generated (Net) i.e. (1)-(2)	1,03,613.50	93.48
		Energy (GWH)	Percentage of item 6
4	Energy purchased from non-utilities	115.73	0.11
5	Energy imported from other countries(Nepal)	4.63	0.01
6	Energy available for supply { i.e.(3)+(4)+(5) }	1,03,733.86	100.00
7	Energy sold to ultimate consumers	82,367.18	79.40
8	Energy sold to other countries (Nepal & Bhutan)	42.09	0.04
9	Total energy sold i.e.(7)+(8)	82,409.27	79.44
10	Energy lost in transformation, transmission & distribution and unaccounted for i.e. { (6)-(9) }	21,324.59	20.56

TABLE NO. 37

*Energy lost in Transmission and Distribution System*  
Regionwise during 1980-81

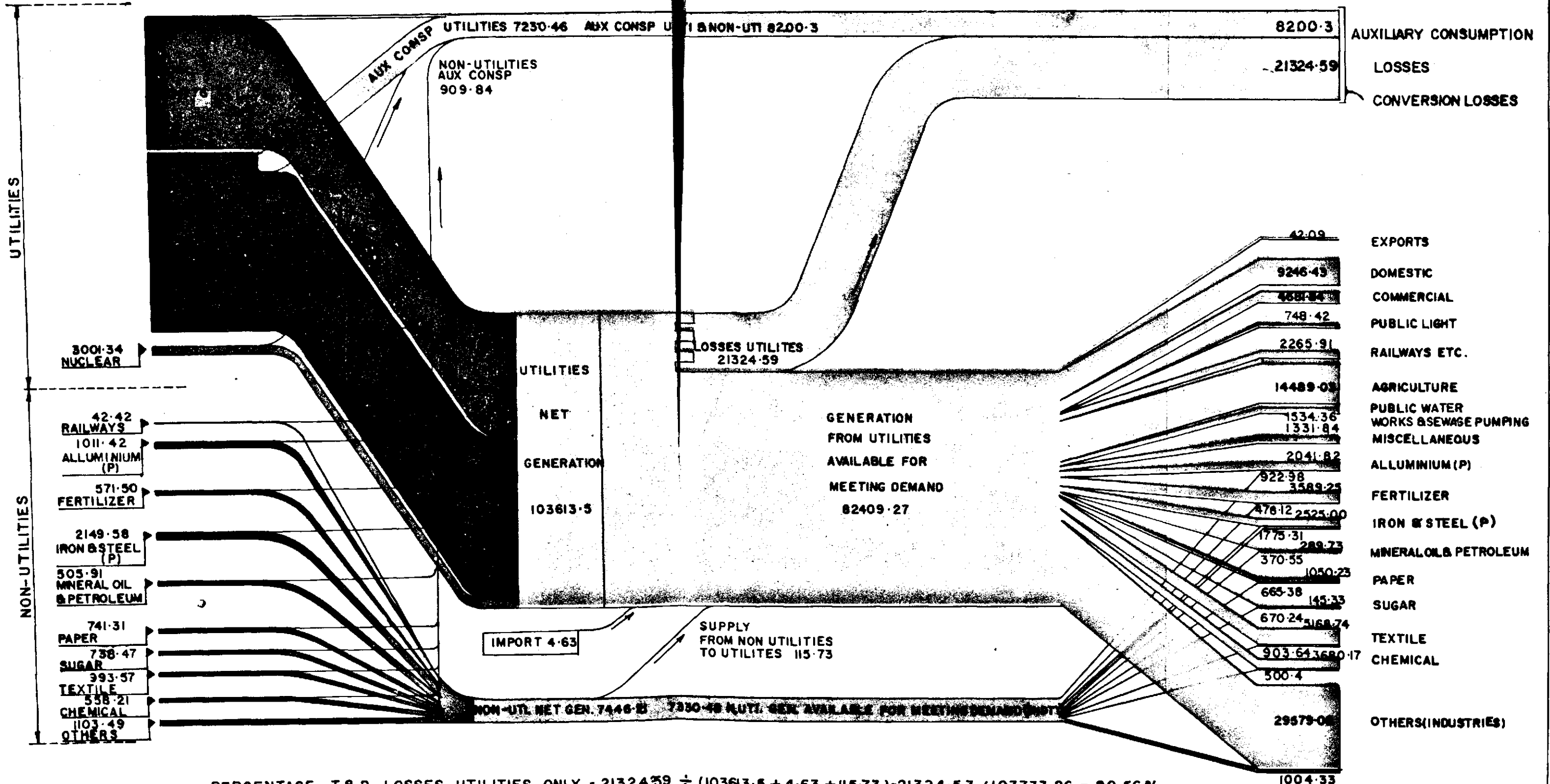
Region	(GWH)				
	Northern	Western	Eastern	Southern	Nor Easte
<b>I. Energy generated net</b>	28,046.01	32,353.77	14,060.64	28,274.09	87.
<b>II. Energy Purchased</b>					
(a) from non-utilities	..	13.11	24.18	11.05	67.39
(b) from other regions	4.61	674.78	426.28	190.10	..
(c) from other countries	..	..	4.63	..	..
Sub-total II	4.61	687.89	455.09	201.15	67.39
<b>III. Total energy available(I+II)</b>	28,050.62	33,041.66	14,515.73	28,475.24	946.8
<b>IV. Sales</b>					
(a) to ultimate consumers	21,530.67	26,428.33	11,933.00	21,753.66	721.52
(b) to other regions	637.68	166.81	27.90	463.38	..
(c) to other countries	14.66	..	26.11	..	1.2
Sub-total IV	22,183.01	26,595.14	11,987.01	22,217.04	722.84
<b>V. Energy lost in transmission &amp; distribution &amp; unaccounted for</b>	5,867.61	6,446.52	2,528.72	6,258.20	223.54
<b>VI. Percentage energy loss(V/III)</b>	20.92	19.51	17.42	21.97	23.62

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 in different regions, excess/less drawal of energy than theoretical share have been treated as inter-regional purchase/sale respectively.

ELECTRICAL ENERGY BALANCE - ALL INDIA 1980-81

ALL FIGURES IN GWh.



PERCENTAGE T & D LOSSES UTILITIES ONLY =  $21324.59 \div (103613.5 + 4.63 + 115.73) \cdot 21324.53 / 103733.86 = 20.56\%$

459-CC-10-83

TABLE NO. 38

Energy Generation(Net), Inter System Transfer of Power, Utilization of Energy and System Losses  
Regionwise/Statewise during 1980-81

(OWH)

Region	State/UTs.	Net generation in own power houses (other than jointly owned projects and Central Govt. Projects)	Energy received from		
			Jointly owned & Central Govts. Projects (except B.B.M.B. & D.V.C.)	Self generating industries	From other states including B.B.M. B. & D.V.C. including from outside the country)
1	2	3	4	5	6
Northern Region	Haryana	838.46	312.48	..	2,459.38
	Himachal Pradesh	244.00	14.07	..	275.78
	Jammu & Kashmir	762.89	74.66	..	149.82
	Punjab	1,819.86	..	..	4,447.56
	Rajasthan	31.82	1,903.06	..	2,188.25
	Chandigarh	0.05	..	..	212.16
	Uttar Pradesh	9,313.71	81.37	..	261.22
	Delhi	616.18	2,130.54	..	80.84
B.B.M.B.	9,523.73	..	..	..	
Western Region	Gujarat	8,516.88	917.64	13.11	10.11
	Madhya Pradesh	3,880.38	1,914.18	..	113.65
	Maharashtra	16,597.12	906.70	..	42.44
	Goa, Daman & Diu	..	..	..	340.04
	D. & N. Haveli	..	..	..	7.72
Southern Region	Bihar	1,974.63	..	0.30	2,964.39
	Orissa	2,822.92	356.65	0.54	72.35
	West Bengal	5,061.27	..	..	1,658.53
	D.V.C.	3,961.52	..	20.42	379.72
	A. & N. Islands	7.13	..	2.92	..
	Sikkim	2.12	12.80	..	..
Central Region	Andhra Pradesh	6,109.90	564.07	..	104.99
	Karnataka	6,314.72	101.92	..	986.05
	Kerala	5,203.42	..	..	31.65
	Tamil Nadu	7,030.58	2,809.80	11.05	1,092.50
	Pondicherry	..	..	..	179.97
Lakshadweep	1.28	..	..	..	
Eastern Region	Assam	446.83	..	67.39	279.30
	Manipur	24.12	..	..	0.39
	Meghalaya	349.69	..	..	..
	Nagaland	2.27	..	..	..
	Tripura	40.87	..	..	28.50
	Arunachal Pradesh	13.39	..	..	2.09
	Mizoram	1.82	..	..	1.21
					1.65@

@Provisional

TABLE NO. 38—Contd.

Name of State/UTs	Energy Available in the state (3+4+5+6)	Energy sent out to/sold to		
		other states including outside the country	Ultimate consumers within the state	Total (8+9)
	7	8	9	10
Haryana . . . . .	3,610.32	237.26	2,555.89	2,793.15
Himachal Pradesh . . . . .	533.85	154.53	278.80	433.33
Jammu & Kashmir . . . . .	987.37	75.09	439.68	514.70
Punjab . . . . .	6,267.42	199.64	4,997.49	5,197.93
Rajasthan . . . . .	4,123.13	66.45	2,935.27	3,061.72
Uttar Pradesh . . . . .	9,656.30	296.86	7,845.60	8,142.46
Chandigarh . . . . .	212.21	..	170.05	170.05
Delhi . . . . .	2,827.56	..	2,307.89	2,307.89
B.B.M.B. . . . .	9,523.73	9,313.78	..	9,313.78
Gujarat . . . . .	9,457.74	7.72	7,565.53	7,573.25
Madhya Pradesh . . . . .	5,908.21	15.81	4,566.86	4,582.67
Maharashtra . . . . .	17,546.26	361.59	14,037.41	14,399.00
Goa, Daman & Diu . . . . .	340.04	..	252.79	252.79
D. & N. Haveli . . . . .	7.72	..	5.74	5.74
Bihar . . . . .	4,939.32	346.70	3,755.82	4,102.52
Orissa . . . . .	3,252.46	144.14	2,480.02	2,624.16
West Bengal . . . . .	6,719.80	69.63	5,677.84	5,747.47
D.V.C. . . . .	4,361.66	4,276.02	..	4,276.02
A. & N. Islands . . . . .	10.05	..	7.82	7.82
Sikkim . . . . .	14.92	..	11.50	11.50
Andhra Pradesh . . . . .	6,778.96	137.52	5,085.55	5,223.07
Karnataka . . . . .	7,402.69	410.86	5,163.94	5,574.80
Kerala . . . . .	5,235.07	1,695.41	2,755.81	4,451.22
Tamil Nadu . . . . .	10,943.93	286.25	8,595.22	8,881.47
Pondicherry . . . . .	179.97	..	152.07	152.07
Lakshadweep . . . . .	1.28	..	1.07	1.07
Assam . . . . .	793.52	35.04	605.21	640.25
Manipur . . . . .	24.51	..	10.89	10.89
Meghalaya . . . . .	349.69	277.28	40.65	317.93
Nagaland . . . . .	30.77	0.12	23.55	23.67
Tripura . . . . .	42.96	..	29.44	29.44
Arunachal Pradesh . . . . .	14.60	2.02	9.08	11.10
Mizoram . . . . .	3.47	..	2.70	2.70

TABLE NO. 38—Contd.

Name of State/UTs	Transformation, Transmission, Distribution losses & energy unaccounted for	
	in GWH(7-10)	% of column 7
	11	12
Haryana . . . . .	817.17	22.63
Himachal Pradesh . . . . .	100.52	18.83
Jammu & Kashmir . . . . .	472.60	47.86
Punjab . . . . .	1,070.29	17.08
Rajasthan . . . . .	1,121.41	27.20
Uttar Pradesh . . . . .	1,513.84	15.68
Chandigarh . . . . .	42.16	19.87
Delhi . . . . .	519.67	18.33
B.B.M.B. . . . .	209.95	2.20
<b>NORTHERN REGION</b> . . . . .	<b>5,867.61</b>	<b>20.92</b>
Gujarat . . . . .	1,884.49	19.93
Madhya Pradesh . . . . .	1,325.54	22.44
Maharashtra . . . . .	3,147.26	17.94
Goa, Daman & Diu . . . . .	87.25	25.66
Dadra Nagar Haveli . . . . .	1.98	25.65
<b>WESTERN REGION</b> . . . . .	<b>6,446.52</b>	<b>19.51</b>
Bihar . . . . .	836.80	10.94
Orissa . . . . .	628.30	19.32
West Bengal . . . . .	972.33	14.47
D.V.C. . . . .	85.64	1.96
Andaman & Nicobar Islands . . . . .	2.23	22.19
Sikkim . . . . .	3.42	22.92
<b>EASTERN REGION</b> . . . . .	<b>2,528.72</b>	<b>17.42</b>
Andhra Pradesh . . . . .	1,555.89	22.95
Karnataka . . . . .	1,827.89	24.69
Kerala . . . . .	783.85	14.97
Tamil Nadu . . . . .	2,062.46	18.84
Pondicherry . . . . .	27.90	15.50
Lakshadweep . . . . .	0.21	16.41
<b>SOUTHERN REGION</b> . . . . .	<b>6,258.20</b>	<b>21.97</b>
Assam . . . . .	153.27	19.32
Manipur . . . . .	13.62	55.57
Meghalaya . . . . .	31.76	9.08
Nagaland . . . . .	7.10	23.07
Tripura . . . . .	13.52	31.47
Arunachal Pradesh . . . . .	3.50	23.97
Mizoram . . . . .	0.77	22.19@
<b>NORTH EASTERN REGION</b> . . . . .	<b>223.54</b>	<b>23.62</b>
<b>ALL INDIA</b> . . . . .	<b>21,324.59</b>	<b>20.56</b>

NOTE:—For details of All India and Regionwise losses refer tables 36 and 37 respectively.

@Provisional.

TABLE NO. 39

*Energy Generation(Net), Intersystem Transfer of Energy Utilisation and Losses by State Electricity Boards, D.V.C. B.B.M.B., & D.E.S.U. during 1980-81*

(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 D.V.C. and B.B.M.B.	Other Boards/Electric Undertakings (Including D.V.C. & B.B.M.B.)
1	2	3	4
<i>Northern Region</i>			
Haryana . . . . .	838.46	312.48	2,459.38
Himachal Pradesh . . . . .	244.00	..	275.78
Jammu & Kashmir . . . . .	762.89	53.28	149.82
Punjab . . . . .	1,819.86	..	3,696.50
Rajasthan . . . . .	31.82	1,871.36	2,188.25
Uttar Pradesh . . . . .	9,313.71	81.37	261.22
B.B.M.B. . . . .	9,523.73	..	..
D.E.S.U. . . . .	616.18	2,127.52	80.84
<i>Western Region</i>			
Gujarat . . . . .	7,133.47	968.83	10.11
Madhya Pradesh . . . . .	3,880.38	1,914.18	113.65
Maharashtra . . . . .	13,245.12	2,423.00	42.44
<i>Eastern Region</i>			
Bihar . . . . .	1,960.83	..	1,735.98
Orissa . . . . .	2,822.92	356.65	72.35
West Bengal . . . . .	2,839.78	347.65	442.42
D.V.C. . . . .	3,961.52	..	379.72
<i>Southern Region</i>			
Andhra Pradesh . . . . .	6,109.90	553.10	104.94
Karnataka . . . . .	6,314.72	99.18	986.05
Kerala . . . . .	5,203.42	..	31.65
Tamil Nadu . . . . .	7,030.58	2,454.13	1,092.50
<i>North Eastern Region</i>			
Assam . . . . .	446.83	..	279.30
Meghalaya . . . . .	349.69	..	..

Abbreviations— B.B.M.B.—Bhakra Beas Management Board.  
D.E.S.U.—Delhi Electric Supply Undertaking.



TABLE NO. 39—Contd.

(GWH)

Name of the Board/ Undertaking	Energy received from self-generating industries	Energy available for supply (including sales outside the State)(2+3+4+5)	Energy sold to	
			Licensees within the State	Other Boards/ Undertakings/D.V.C
	5	6	7	8
Haryana . . . . .	..	3,610.32	..	237.26
Himachal Pradesh . . . . .	..	519.78	..	154.53
Jammu & Kashmir . . . . .	..	965.99	15.78	75.09
Punjab . . . . .	..	5,516.36	170.80	199.64
Rajasthan . . . . .	..	4,091.43	8.14	66.45
Uttar Pradesh . . . . .	..	9,656.30	40.00	296.86
B.B.M.B. . . . .	..	9,523.73	..	9,313.78
D.E.S.U. . . . .	..	2,824.54	411.58	..
Gujarat . . . . .	13.11	8,125.52	1,151.92	7.72
Madhya Pradesh . . . . .	..	5,908.21	22.48	15.81
Maharashtra . . . . .	..	15,711.21	4,466.53	361.59
Bihar . . . . .	0.30	3,697.11	17.77	346.70
Orissa . . . . .	0.54	3,252.46	7.19	144.14
West Bengal . . . . .	..	3,629.20	1,361.30	5.01
D.V.C. . . . .	20.42	4,361.6	..	4,276.02
Andhra Pradesh . . . . .	..	6,767.94	66.26	157.52
Karnataka . . . . .	..	7,399.95	22.09	410.86
Kerala . . . . .	..	5,235.07	44.72	1,695.41
Tamil Nadu . . . . .	11.05	10,588.26	205.00	286.25
Assam . . . . .	67.39	793.52	..	35.04
Meghalaya . . . . .	..	349.69	..	277.28

TABLE NO. 39—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 Col. 6
	9	10	11	12
Haryana . . . . .	2,555.89	2,793.15	817.17	22.63
Himachal Pradesh . . . . .	264.73	419.26	100.52	19.34
Jammu & Kashmir . . . . .	411.00	501.87	464.12	48.05
Punjab . . . . .	4,065.57	4,436.01	1,080.35	19.58
Rajasthan . . . . .	2,928.98	3,003.57	1,087.86	26.59
Uttar Pradesh . . . . .	7,809.02	8,145.88	1,510.42	15.64
B.B.M.B. . . . .	..	9,313.78	209.95	2.20
D.E.S.U. . . . .	1,936.07	2,347.65	476.89	16.88
Gujarat . . . . .	5,358.25	6,517.89	1,607.63	19.78
Madhya Pradesh . . . . .	4,550.67	4,588.96	1,319.25	22.33
Maharashtra . . . . .	8,336.13	13,164.25	2,546.96	16.21
Bihar . . . . .	2,516.52	2,880.99	816.12	22.07
Orissa . . . . .	2,477.11	2,628.44	624.02	19.19
West Bengal . . . . .	17,66.29	3,132.60	496.60	13.68
D.V.C. . . . .	..	4,276.02	85.64	1.96
Andhra Pradesh . . . . .	5,037.66	5,241.44	1,526.50	22.55
Karnataka . . . . .	5,148.12	5,581.07	1,818.88	24.58
Kerala . . . . .	2,717.14	4,457.27	777.80	14.86
Tamil Nadu . . . . .	8,073.00	8,564.25	2,024.01	19.12
Assam . . . . .	605.21	640.25	153.27	19.32
Meghalaya . . . . .	40.65	317.93	31.76	9.08

NOTE.—For details of inter-state transfer of energy please see Table No. 44.

TABLE No. 40

Statement showing Pilferage/Misuse of Energy as reported by State Electricity Boards during 1980-81

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)
<i>Southern Region</i>	Haryana . . . . .	5,354	625	N.A.
	Himachal Pradesh . . . . .	407	173	N.A.
	Jammu & Kashmir . . . . .	N.A.	N.A.	N.A.
	Punjab . . . . .	9,976	1,715	12.85
	Rajasthan . . . . .	9,328	959	1.96
	Uttar Pradesh . . . . .	42,842	10,245	24.47
<i>Western Region</i>	Gujarat . . . . .	7,108	1,891	19.17
	Madhya Pradesh . . . . .	3,81,689	1,092	N.A.
	Maharashtra . . . . .	2,79,007	6,499	N.A.
<i>Eastern Region</i>	Bihar . . . . .	1,616	1,161	N.A.
	Orissa . . . . .	Nil	Nil	Nil
	West Bengal . . . . .	N.A.	N.A.	N.A.
<i>Southern Region</i>	Andhra Pradesh . . . . .	9,566	6,329	21.05
	Karnataka . . . . .	71,381	6,606	N.A.
	Kerala . . . . .	N.A.	N.A.	N.A.
	Tamil Nadu . . . . .	18,695	4,987	1.56
<i>North Eastern Region</i>	Assam . . . . .	157	4	3.50
	Meghalaya . . . . .	40	Nil	Nil

NOTE—N.A.—Date not available.

TABLE NO. 41

Maximum Demand and Net Energy Generation(Utilities only) Primemoverwise-Regionwise/Statewise during 1980-81

Region	Name of State/UTs	TOTAL			
		Aggregate Maximum Demand(MW)	Net Generation (GWH)	Auxiliary Consumption (GWH)	% to Gross Generation
<i>Northern Region</i>	Haryana . . . . .	1,026.33	4,092.49	196.26	4.58
	Himachal Pradesh . . . . .	96.28	244.00	1.06	0.43
	Jammu & Kashmir . . . . .	168.00	762.89	5.22	0.70
	Punjab . . . . .	1,559.91	6,274.69	208.26	3.21
	Rajasthan . . . . .	778.63	3,312.26	80.68	2.38
	Uttar Pradesh . . . . .	3,194.46	9,313.71	876.68	8.60
	Chandigarh . . . . .	1.00	0.05	0.02	28.57
	Delhi . . . . .	236.80	1,184.47	128.70	9.80
	Central Sector . . . . .	1,010.00	2,861.45	455.16	13.72
	<b>SUB-TOTAL</b> . . . . .	<b>8,071.41</b>	<b>28,046.01</b>	<b>1,952.04</b>	<b>6.51</b>
<i>Western Region</i>	Gujarat . . . . .	1,934.46	8,516.88	846.44	9.94
	Madhya Pradesh . . . . .	1,219.00	5,415.43	536.69	9.02
	Maharashtra . . . . .	3,374.10	16,597.12	1,066.97	6.04
	Goa, Daman & Diu . . . . .	..	..	..	..
	D & N Haveli . . . . .	..	..	..	..
	Central Sector . . . . .	352.10	1,824.34	149.34	7.57
		<b>SUB-TOTAL</b> . . . . .	<b>6,879.66</b>	<b>32,353.77</b>	<b>2,599.44</b>
<i>Eastern Region</i>	Bihar . . . . .	537.83	1,974.63	306.07	13.42
	Orissa . . . . .	846.50	3,041.17	96.16	3.07
	West Bengal . . . . .	1,175.46	5,061.27	501.41	9.01
	D.V.C. . . . .	1,074.00	3,961.52	523.09	11.66
	A. & N. Islands . . . . .	3.35	7.13	0.54	7.04
	Sikkim . . . . .	0.98	2.12	0.42	16.58
	Central Sector . . . . .	3.56	12.84	2.10	14.09
	<b>SUB-TOTAL</b> . . . . .	<b>3,641.68</b>	<b>14,060.64</b>	<b>1,429.79</b>	<b>9.23</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	2,021.50	6,854.26	465.19	6.36
	Karnataka . . . . .	1,430.60	6,374.75	16.84	0.26
	Kerala . . . . .	1,004.70	5,203.42	38.21	0.73
	Tamil Nadu . . . . .	2,143.54	7,030.58	341.10	4.63
	Pondicherry . . . . .	..	..	..	..
	Lakshadweep . . . . .	0.80	1.28	0.02	1.54
	Central Sector . . . . .	520.00	2,809.80	364.80	11.49
	<b>SUB-TOTAL</b> . . . . .	<b>7,121.14</b>	<b>28,274.09</b>	<b>1,226.16</b>	<b>4.16</b>
<i>North Eastern Region</i>	Assam . . . . .	116.40	446.83	17.85	3.84
	Manipur . . . . .	11.00	24.12	1.27	5.00
	Meghalaya . . . . .	102.81	349.69	2.85	0.81
	Nagaland . . . . .	2.50	2.27	0.06	2.58
	Tripura . . . . .	9.60	40.87	0.44	1.06
	Arunachal Pradesh . . . . .	5.14	13.39	0.44	3.18
	Mizoram . . . . .	2.50	1.82	0.12	6.18
		<b>SUB-TOTAL</b> . . . . .	<b>249.95</b>	<b>878.99</b>	<b>23.03</b>
	<b>TOTAL(ALL INDIA)</b> . . . . .	<b>25,963.84</b>	<b>1,03,613.50</b>	<b>7,230.46</b>	<b>6.52</b>

TABLE NO. 41—Contd.

Name of the State/UT	HYDRO			
	Aggregate Maximum Demand (MW)	Net Generation (GWH)	Auxiliary Consumption (GWH)	% to Gross Generation
Haryana . . . . .	677.33	2,969.88	7.51	0.25
Himachal Pradesh . . . . .	95.18	243.87	1.06	0.43
Jammu & Kashmir . . . . .	150.00	759.81	3.66	0.48
Punjab . . . . .	1,114.91	5,010.97	12.59	0.25
Rajasthan . . . . .	650.66	2,573.17	6.53	0.25
Uttar Pradesh . . . . .	1,181.59	3,445.98	10.53	0.30
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
Central Sector . . . . .	120.00	27.62	6.38	18.76
<b>SUB-TOTAL</b> . . . . .	<b>3,989.67</b>	<b>15,031.30</b>	<b>48.26</b>	<b>0.32</b>
Gujarat . . . . .	300.00	882.31	6.15	0.69
Madhya Pradesh . . . . .	193.00	474.15	0.91	0.19
Maharashtra . . . . .	1,211.40	6,418.01	30.14	0.47
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,704.40</b>	<b>7,774.47</b>	<b>37.20</b>	<b>0.48</b>
Bihar . . . . .	78.00	149.97	0.77	0.51
Orissa . . . . .	606.50	2,382.13	11.20	0.47
West Bengal . . . . .	17.69	55.65	0.80	1.42
D.V.C. . . . .	104.00	342.03	2.73	0.79
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	0.72	1.32	0.22	14.29
Central Sector . . . . .	3.56	12.80	2.10	14.09
<b>SUB-TOTAL</b> . . . . .	<b>810.47</b>	<b>2,943.90</b>	<b>17.82</b>	<b>0.60</b>
Andhra Pradesh . . . . .	989.00	3,701.96	21.59	0.58
Karnataka . . . . .	1,430.60	6,374.75	16.84	0.26
Kerala . . . . .	1,004.70	5,203.42	38.21	0.73
Tamil Nadu . . . . .	1,303.40	4,914.03	11.70	0.24
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>4,727.70</b>	<b>20,194.16</b>	<b>88.34</b>	<b>0.44</b>
Assam . . . . .	..	..	..	..
Manipur . . . . .	0.50	1.70	0.20	10.53
Meghalaya . . . . .	101.81	347.58	2.80	0.80
Nagaland . . . . .	0.81	1.58	0.01	0.63
Tripura . . . . .	7.00	40.10	0.36	0.89
Arunachal Pradesh . . . . .	3.94	11.60	0.38	3.17
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>114.06</b>	<b>402.56</b>	<b>3.75</b>	<b>0.92</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>11,346.30</b>	<b>46,346.39</b>	<b>195.37</b>	<b>0.42</b>

TABLE NO. 41—Contd.

Name of State/U.Ts.	STEAM			
	Aggregate Maximum Demand (MW)	Net Generation (GWH)	Auxiliary Consumption (GWH)	% to Gross Generation
Haryana . . . . .	348.00	1,122.49	188.75	14.39
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	15.00	2.76	1.52	35.51
Punjab . . . . .	440.00	1,262.31	195.61	15.42
Rajasthan . . . . .	125.97	738.76	74.12	19.12
Uttar Pradesh . . . . .	2,007.87	5,867.51	866.05	12.86
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	227.50	1,183.10	128.68	9.81
Central Sector . . . . .	470.00	1,751.22	303.75	14.78
<b>SUB-TOTAL</b> . . . . .	<b>3,634.34</b>	<b>11,928.15</b>	<b>1,758.48</b>	<b>12.85</b>
Gujarat . . . . .	1,603.40	7,588.67	838.70	9.95
Madhya Pradesh . . . . .	1,026.00	4,941.28	535.78	9.78
Maharashtra . . . . .	2,162.70	10,179.11	1,036.83	9.24
Goa, Damann & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
Central Sector . . . . .	42.10	174.24	25.74	12.87
<b>SUB-TOTAL</b> . . . . .	<b>4,834.20</b>	<b>22,883.30</b>	<b>2,437.05</b>	<b>10.54</b>
Bihar . . . . .	456.09	1,822.59	305.21	14.34
Orissa . . . . .	240.00	659.04	84.96	11.42
West Bengal . . . . .	1,040.00	4,811.29	498.32	8.96
D.V.C. . . . .	970.00	3,619.49	520.36	12.57
A & N Islands . . . . .	0.70	1.38	0.29	17.36
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>2,706.79</b>	<b>10,913.79</b>	<b>1,409.14</b>	<b>11.44</b>
Andhra Pradesh . . . . .	1,032.50	3,152.30	443.60	12.34
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	840.14	2,116.55	329.40	13.47
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	520.00	2,809.80	364.80	11.49
<b>SUB-TOTAL</b> . . . . .	<b>2,392.64</b>	<b>8,078.65</b>	<b>1,137.80</b>	<b>12.35</b>
Assam . . . . .	46.40	155.90	11.52	6.88
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>46.40</b>	<b>155.90</b>	<b>11.52</b>	<b>6.88</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>13,614.37</b>	<b>53,959.79</b>	<b>6,753.99</b>	<b>11.11</b>

TABLE NO. 41—Contd.

Name of the State/U.Ts.	DIESEL			
	Aggregate Maximum Demand (MW)	Net Generation (GWH)	Auxiliary Consumption	
			GWH	% to Gross Generation
Haryana . . . . .	1.00	0.12	Neg	..
Himachal Pradesh . . . . .	1.10	0.13	Neg	..
Jammu & Kashmir . . . . .	3.00	0.32	0.04	11.11
Punjab . . . . .	5.00	1.41	0.06	4.08
Rajasthan . . . . .	2.00	0.33	0.03	8.33
Uttar Pradesh . . . . .	..	..	..	..
Chandigarh . . . . .	1.00	0.05	0.02	28.57
Delhi . . . . .	9.30	1.37	0.02	1.44
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>22.40</b>	<b>3.73</b>	<b>0.17</b>	<b>4.36</b>
Gujarat . . . . .	1.06	0.08	0.01	11.11
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	..	..	..	..
Goa, Daman & Diu . . . . .	..	..	..	..
D & N Haveli . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1.06</b>	<b>0.08</b>	<b>0.01</b>	<b>11.11</b>
Bihar . . . . .	3.74	2.07	0.09	4.17
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	14.07	16.52	0.60	3.50
D.V.C. . . . .	..	..	..	..
A & N Islands . . . . .	2.65	5.75	0.25	4.17
Sikkim . . . . .	0.26	0.80	0.20	20.00
<b>SUB-TOTAL</b> . . . . .	<b>20.72</b>	<b>25.14</b>	<b>1.14</b>	<b>4.34</b>
Andhra Pradesh . . . . .	..	..	..	..
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	..	..	..	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	0.80	1.28	0.02	1.54
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>0.80</b>	<b>1.28</b>	<b>0.02</b>	<b>1.54</b>
Assam . . . . .	10.00	2.23	0.25	10.08
Manipur . . . . .	10.50	22.42	1.07	4.56
Meghalaya . . . . .	1.00	2.11	0.05	2.31
Nagaland . . . . .	1.69	0.69	0.05	6.76
Tripura . . . . .	2.60	0.77	0.08	9.41
Arunachal Pradesh . . . . .	1.20	1.79	0.06	3.24
Mizoram . . . . .	2.50	1.82	0.12	6.18
<b>SUB-TOTAL</b> . . . . .	<b>29.49</b>	<b>31.83</b>	<b>1.68</b>	<b>5.01</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>74.47</b>	<b>62.06</b>	<b>3.02</b>	<b>4.64</b>

TABLE NO. 41-Contd.

Name of State/U.T.s	GAS			
	Aggregate Maximum Demand (MW)	Net Generation (GWH)	Auxiliary Consumption	
			(GWH)	% to Gross Generation
Haryana . . . . .	..	..	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	..	..
Rajasthan . . . . .	..	..	..	..
Uttar Pradesh . . . . .	5.00	0.22	0.10	31.25
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>5.00</b>	<b>0.22</b>	<b>0.10</b>	<b>31.25</b>
Gujarat . . . . .	30.00	45.82	1.58	3.33
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	..	..	..	..
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>30.00</b>	<b>45.82</b>	<b>1.58</b>	<b>3.33</b>
Bihar . . . . .	..	..	..	..
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	103.70	177.81	1.69	..
D.V.C. . . . .	..	..	..	..
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>103.70</b>	<b>177.81</b>	<b>1.69</b>	<b>..</b>
Andhra Pradesh . . . . .	..	..	..	..
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	..	..	..	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	60.00	288.70	6.08	2.06
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>60.00</b>	<b>288.70</b>	<b>6.08</b>	<b>2.06</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>198.70</b>	<b>512.55</b>	<b>9.45</b>	<b>1.81</b>



TABLE NO. 41—Contd.

Name of State/U.T.s.	NUCLEAR			
	Aggregate	Net Generation (GWH)	Auxiliary Consumption	
			(GWH)	% to gross generation
Haryana . . . . .	..	..	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	..	..
Rajasthan . . . . .	..	..	..	..
Uttar Pradesh . . . . .	..	..	..	..
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
Central Sector . . . . .	420.00	1,082.61	145.03	11.81
<b>SUB-TOTAL</b> . . . . .	<b>420.00</b>	<b>1,082.61</b>	<b>145.03</b>	<b>11.81</b>
Gujarat . . . . .	..	..	..	..
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	..	..	..	..
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
Central Sector . . . . .	310.00	1,650.10	123.60	6.97
<b>SUB-TOTAL</b> . . . . .	<b>310.00</b>	<b>1,650.10</b>	<b>123.60</b>	<b>6.97</b>
Bihar . . . . .	..	..	..	..
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	..	..	..	..
D.V.C. . . . .	..	..	..	..
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
Andhra Pradesh . . . . .	..	..	..	..
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	..	..	..	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	..	..	..	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>730.00</b>	<b>2,732.71</b>	<b>268.63</b>	<b>8.95</b>

NOTE.—Maximum demands and Net Generation on jointly owned projects have been shown divided between the partner states as per their theoretical shares.

TABLE NO. 42

Share of Participating States in Jointly Owned Power Stations during 1980-81

Name of Power Station	Name of participating States	Share of participating States		Total capacity (MW)
		%	I.C.(MW)	
<i>Bhakra Beas Management Board</i>				
(a) Bhakra Nangal Complex(Hydro)	Haryana . . . . .	84.78×40%	408.47	1,240.50*
	Punjab . . . . .	84.78×60%	612.70	
	Rajasthan . . . . .	15.22	183.33	
(b) Dehar (Hydro)	Haryana . . . . .	32	211.20	660.00
	Punjab . . . . .	48	316.80	
	Rajasthan . . . . .	20	132.00	
(c) Pong (Hydro)	Haryana . . . . .	16.6	39.84	240.00
	Punjab . . . . .	24.9	59.76	
	Rajasthan . . . . .	58.5	140.40	
Indraprastha Extn. (Steam)	Delhi . . . . .	66.67	125.00	187.50
	Haryana . . . . .	33.33	62.50	
<i>Chambal Projects :</i>				
(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	
Tungbhadra Dam & Hampi (Hydro)	Andhra Pradesh . . . . .	80	57.60	72.00
	Karnataka . . . . .	20	14.40	

NOTE.1(\*) It comprise of capacity of Ganguwal 77.25MW, Kotla 77.25MW, Bhakra left Bank 450MW and Bhakra right Bank 600 MW.

I.C.—Means Installed capacity.

TABLE NO. 42—Contd.

Name of Power Station	Energy generated(GWH)		Energy Off-take by States**(GWH)	
	Gross	Net		
<i>Bhakra Beas Management Board</i>				
(a) Bhakra Nangal Complex(Hydro)	5,787.81	5,774.50	Haryana . . . . .	2,459.38
			Punjab . . . . .	3,506.76
			Rajasthan . . . . .	2,055.85
(b) Dehar (Hydro) . . . . .	2,535.16	2,527.66	Jammu & Kashmir . . . . .	149.82
(c) Pong (Hydro) . . . . .	1,225.17	1,221.57	Nangal Fertilizers . . . . .	741.06
			I.B. Bhakra . . . . .	10.00
			Chandigarh . . . . .	169.80
			Himachal Pradesh . . . . .	241.11
			(Old & New including BSL)	
			B.B.M. System losses . . . . .	209.95
Indraprastha Extn.(Steam)(Unit 2, 3 &4)	927.29	852.44	Delh . . . . .	660.38
			Haryana . . . . .	192.06
<i>Chambal Projects</i>				
(a) Gandhi Sagar (Hydro) . . . . .	281.17	280.46		
(b) Jawahar Sagar (Hydro) . . . . .	287.38	286.89	Madhya Pradesh . . . . .	1,914.18
(c) Rana Pratap Sagar (Hydro) . . . . .	381.56	380.95	Rajasthan . . . . .	802.29
(d) Satpura (Steam) . . . . .	1,944.43	1,768.17		
Machkund(Hydro) . . . . .	729.74	727.51	Andhra Pradesh . . . . .	370.86
			Orissa . . . . .	356.65
Tungabhadra Dam & Hampi (Hydro)	295.92	295.13	Andhra Pradesh . . . . .	193.21
			Karnataka . . . . .	101.92

Note —\*\*Including losses. Excluding B.B.M.B. System.  
I.B. Bhakra means Irrigation Board Bhakra.

TABLE NO. 43

*Installed Capacity, Energy Generated, Energy sent out by Central Govt. Projects & D.V.C. during 1980-81*

Name of Power Station	Installed Capacity	Energy generated(GWH)		Off-take by States including losses	
		Gross	Net		
Badarpur Thermal Power Station(Station . . . . .)	510.00	2,054.97	11,751.22 £	Delhi . . . . .	1,439.52
				Haryana . . . . .	120.42
				H.P.(Baira Siul) . . . . .	14.07
				J & K . . . . .	53.28
				Salat(J&K) . . . . .	21.38
				Rajasthan . . . . .	18.16
				U.P. . . . .	81.37
				Total . . . . .	1748.20
Baira Siul(Hydro) . . . . .	120.00	34.00	27.62	Delhi . . . . .	27.62
Rajasthan Atomic Power Project (Nuclear) . . . . .	440.00	1,227.64	1,082.61	Rajasthan . . . . .	1,082.61
Tarapur Atomic Power Station(Nuclear) . . . . .	420.00	1,773.70	1,650.10	Gujarat . . . . .	917.64
				Maharashtra . . . . .	732.46
				Total . . . . .	1,650.10
Kalyan Steam Power Station (Chola-Central Railways)	96.00	199.98	174.24	Maharashtra . . . . .	174.24
Lower Laygup . . . . .	12.00	14.90	12.80	Sikkim . . . . .	12.80
Damodar Valley Corporation@ . . . . .	1,421.50	4,484.61	3,961.52	Bihar . . . . .	2,617.49*
				West Bengal . . . . .	1,658.53**
				Total . . . . .	4,276.02@@
Neyveli Lignite Corporation(Steam) . . . . .	600.00	3,174.60	2,809.80 §	Tamil Nadu . . . . .	2,454.13

## NOTES.—

£—3.02 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 Govt.

@@—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 1228.41 GWH direct sales by D.V.C. to ultimate consumers in Bihar area.

\*\*—Includes 584.23 GWH direct sales by D.V.C. to ultimate consumers in West Bengal area.

§—335.67 GWH(difference between net generation and energy sent out) has been consumed by Neyveli Lignite Corporation within works.

TABLE No. 44

Statement showing Interstate Transfer of Power Regionwise/Statewise during  
1980-81

Name of Supplier	Name of Purchaser	Energy transferred (GWH)
<i>Northern Region</i>		
Haryana S.E.B.	Punjab S.E.B.	0.10
Haryana S.E.B.	D.E.S.U.	54.97
Haryana S.E.B.	Rajasthan S.E.B.	93.55
Haryana S.E.B.	Uttar Pradesh S.E.B.	88.64
Himachal Pradesh S.E.B.	Punjab S.E.B.	98.55
Himachal Pradesh S.E.B.	Uttar Pradesh S.E.B.	55.98
Jammu & Kashmir S.E.B.	Punjab S.E.B.	75.09
Punjab S.E.B.	Chandigarh	42.36
Punjab S.E.B.	Uttar Pradesh S.E.B.	84.44
Punjab S.E.B.	Rajasthan S.E.B.	58.71
Punjab S.E.B.	Himachal Pradesh S.E.B.	14.13
Rajasthan S.E.B.	Delhi	22.90
Rajasthan S.E.B.	Uttar Pradesh S.E.B.	27.55
Rajasthan S.E.B.	Punjab S.E.B.	16.00
Uttar Pradesh S.E.B.	Rajasthan S.E.B.	0.14
Uttar Pradesh S.E.B.	Himachal Pradesh S.E.B.	20.54
Uttar Pradesh S.E.B.	D.E.S.U.	2.97
<i>Western Region</i>		
Gujarat S.E.B.	Dadra and Nagar Haveli	7.72
Madhya Pradesh S.E.B.	Maharashtra S.E.B.	11.20
Maharashtra S.E.B.	Madhya Pradesh S.E.B.	79.18
Maharashtra S.E.B.	Goa, Daman and Diu	120.21
<i>Eastern Region</i>		
Bihar S.E.B.	Orissa S.E.B.	8.55
Bihar S.E.B.	D.V.C.	313.34
Orissa S.E.B.	Bihar S.E.B.	116.24
West Bengal S.E.B.	D.V.C.	1.76
West Bengal S.E.B.	Bihar S.E.B.	1.95
Damodar Valley Corpn.	Bihar S.E.B.	1,389.08
Damodar Valley Corpn.	West Bengal S.E.B.	442.42
Damodar Valley Corpn.	Durgapur Project Ltd.	20.56
Damodar Valley Corpn.	Dishergarh E.S.Co.	94.91
Damodar Valley Corpn.	Secbopore E.S. Co.	209.91
Damodar Valley Corpn.	Calcutta E.S. Co.	306.50
Durgapur Project Ltd.	Damodar Valley Corpn.	64.62

TABLE NO. 44—Contd.

Name of Supplier	Name of Purchaser	Energy transferred (GWH)
<i>Southern Region</i>		
Andhra Pradesh S.E.B.	Pondicherry	0.77
Andhra Pradesh S.E.B.	Tamil Nadu S.E.B.	51.60
Andhra Pradesh S.E.B.	Karnataka S.E.B.	21.35
Karnataka S.E.B.	Andhra Pradesh S.E.B.	34.69
Karnataka S.E.B.	Kerala S.E.B.	31.65
Kerala S.E.B.	Tamil Nadu S.E.B.	93.45
Kerala S.E.B.	Tamil Nadu S.E.B.	947.45
Kerala S.E.B.	Karnataka S.E.B.	730.25
Kerala S.E.B.	Pondicherry	7.60
Tamil Nadu S.E.B.	Andhra Pradesh S.E.B.	42.40
Tamil Nadu S.E.B.	Pondicherry	171.60
Tamil Nadu S.E.B.	Karnataka S.E.B.	72.25
<i>North Eastern Region</i>		
Assam S.E.B.	Mizoram	1.65
Assam S.E.B.	Nagaland	28.50
Assam S.E.B.	Arunachal Pradesh	1.21
Assam S.E.B.	Tripura	2.09
Assam S.E.B.	Manipur	0.27
Meghalaya S.E.B.	Assam S.E.B.	277.28
Nagaland	Manipur	0.12
Arunachal Pradesh	Assam S.E.B.	2.02
<b>INTER-REGIONAL TRANSFERS OF POWER</b>		
<i>Northern Region</i>		
Uttar Pradesh S.E.B.	<i>Western Region</i> Madhya Pradesh S.E.B.	34.47
Uttar Pradesh S.E.B.	<i>Eastern Region</i> Bihar S.E.B.	224.08
<i>Western Region</i>		
Maharashtra S.E.B.	<i>Southern Region</i> Karnataka S.E.B.	162.20
<i>Western Region</i>		
Madhya Pradesh S.E.B.	<i>Northern Region</i> Uttar Pradesh S.E.B.	4.61
<i>Eastern Region</i>		
Orissa S.E.B.	<i>Southern Region</i> Andhra Pradesh S.E.B.	27.90
<i>Southern Region</i>		
Kerala S.E.B.	<i>Western Region</i> Gujarat S.E.B.	10.11
Karnataka S.E.B.	Goa, Daman & Diu	219.83
Karnataka S.E.B.	Maharashtra S.E.B.	31.24
Andhra Pradesh S.E.B.	<i>Western Region</i> Orissa S.E.B.	202.20
<i>Outside the Country</i>		
Uttar Pradesh S.E.B.	Nepal	14.66
Bihar S.E.B.	Nepal	24.81
West Bengal S.E.B.	Bhutan	1.30
Assam S.E.B.	Bhutan	1.32
Nepal	Bihar S.E.B.	4.63

## 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. 42.

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**SECTION VI**  
**OPERATING DATA (UTILITIES)**

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## OPERATING DATA

The coal consumption by various steam stations in the country was 35.82 million tonnes during 1980-81 as compared to 32.59 million tonnes during the previous year indicating an increase of 9.58%. Consumption of other fossil fuels viz. ISHS/HHS, Wood, Diesel and kerosene oil decreased by 12.37%, 59.51% and 12.15% respectively and those of furnace oil, and Lignite increased by 15.62% and 62.45% respectively as compared to previous year. Total fuel consumption for steam stations (coal equivalent with average calorific value as 5000 K. Cal/Kg.) increased by 7.38% during 1980-81.

15 power stations reported an overall thermal efficiency ranging between 20 to 25% and generated 8500.79 GWH i.e., 14.00% of total steam generation. 31 power stations had an overall thermal efficiency in the range of 25 to 30% and produced 32267.50 GWH which represented 53.05% of total steam generation.

10 Power Stations reported an overall thermal efficiency above 30% and generated 16118.91 GWH which covered 26.55% of total steam generation during 1980-81.

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. 45

*Consumption of Fossil Fuels for Electricity Generation from Thermal Stations*  
(By Kind of Fuels)  
Regionwise/Statewise during 1980-81

Region	State/U.Ts.	Steam Stations		
		Coal (MT)	Lignite(MT)	Furnace Oil(KL)
<i>Northern Region</i>	Haryana . . . . .	6,41,719	..	59,361
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	3,570	..	..
	Punjab . . . . .	11,10,040	..	23,170
	Rajasthan . . . . .	49,890	..	..
	Uttar Pradesh . . . . .	51,51,668	..	1,08,984
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	11,04,785	..	29,662
	Central Sector . . . . .	12,70,288	..	61,983
	<b>SUB-TOTAL</b> . . . . .	<b>93,31,960</b>	<b>..</b>	<b>2,83,160</b>
<i>Western Region</i>	Gujarat . . . . .	29,00,335	97,425	8,73,336
	Madhya Pradesh . . . . .	48,27,472	..	90,107
	Maharashtra . . . . .	61,11,074	..	1,09,888
	Goa, Daman & Diu . . . . .	..	..	..
	D & N Haveli . . . . .	..	..	..
	Central Sector . . . . .	2,40,167	..	4,259
	<b>SUB-TOTAL</b> . . . . .	<b>1,40,79,048</b>	<b>97,425</b>	<b>10,77,590</b>
<i>Eastern Region</i>	Bihaar . . . . .	15,47,253	..	46,959
	Orissa . . . . .	566,347	..	..
	West Bengal . . . . .	34,20,806	..	13,816
	D.V.C. . . . .	28,12,805	..	54,240
	A. & N. Islands . . . . .	..	5,656(A)	..
	Sikkim . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>83,47,211</b>	<b>5656(A)</b>	<b>115015</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	25,97,049	..	75,749
	Karnataka . . . . .	..	..	..
	Kerala . . . . .	..	..	..
	Tamil Nadu . . . . .	14,63,627	..	1,60,649
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
	Central Sector . . . . .	..	38,81,405	1,44,634
	<b>SUB-TOTAL</b> . . . . .	<b>40,60,676</b>	<b>38,81,405</b>	<b>3,81,032</b>
<i>North Eastern Region</i>	Assam . . . . .	..	..	13,194
	Manipur . . . . .	..	..	..
	Meghalaya . . . . .	150	..	..
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	..	..	..
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>150</b>	<b>..</b>	<b>13,794</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>3,58,19,045</b>	<b>39,78,830+</b> <b>5,656(A)</b>	<b>18,69,991</b>

(A)=Wood Fuel

MT=Metric Tonne

KL=Kilo Litre

TABLE No. 45—Contd.

State/UTs.	Steam Stations		
	Light Diesel Oil (KL)	LSHS/HHS* (MT)	Natural Gas (Million Cu. Mts.)
Haryana . . . . .	11,114	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	800	..	..
Punjab . . . . .	4,188	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	56,261	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	1,016	..	..
<b>SUB-TOTAL</b> . . . . .	<b>73,379</b>	<b>..</b>	<b>..</b>
Gujarat . . . . .	14,047	..	128.32
Madhya Pradesh . . . . .	8,929	..	..
Maharashtra . . . . .	25,391	3,94,401	1,27,654M.T.(B)
Goa, Daman & Diu . . . . .	..	..	..
D & N Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>48,367</b>	<b>3,94,401</b>	<b>128.32+1,27,654</b>
Bihar . . . . .	15,352	..	..
Orissa . . . . .	1,469	..	..
West Bengal . . . . .	36,755	..	..
D.V.C. . . . .	29,741	..	..
A & N Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>83,317</b>	<b>..</b>	<b>..</b>
Andhra Pradesh . . . . .	6,897	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	9,104	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>16,001</b>	<b>..</b>	<b>..</b>
Assam . . . . .	215	26,141	18.35
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>215</b>	<b>26,141</b>	<b>18.35</b>
<b>TOTAL(ALL INDIA)</b> . . . . .	<b>2,21,279</b>	<b>4,20,542</b>	<b>146.67+12,7654 MT(B)</b>

\*LSHS—Low Sulphur Heavy Stock HHS—Hot Heavy Stock

B=Refinery Gas

TABLE NO. 45—Contd.

State/UTs	Steam Stations		
	Heat Input (K. Cal. × 10 <sup>6</sup> )	Gross Generation (GWH)	Average heat-input (K. Cal./KWH)
Haryana . . . . .	3,897.17	1,002.14	3,889
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	22.28	4.28	5,206
Punjab . . . . .	4,489.51	1,457.92	3,079
Rajasthan . . . . .	285.92	35.11	8,144
Uttar Pradesh . . . . .	24,524.22	6,733.56	3,642
Chandigarh . . . . .	..	..	..
Delhi . . . . .	5,841.37	1,620.88	3,604
Central Sector . . . . .	6,819.69	2,054.97	3,319
<b>SUB-TOTAL</b> . . . . .	<b>45,880.16</b>	<b>12,908.86</b>	<b>3,554</b>
Gujarat . . . . .	25,725.90	8,427.37	3,053
Madhya Pradesh . . . . .	18,577.19	6,254.83	2,970
Maharashtra . . . . .	32,562.28	11,215.94	2,903
Goa, Daman & Diu . . . . .	..	..	..
D & N Haveli . . . . .	..	..	..
Central Sector . . . . .	1,304.02	199.98	6,521
<b>SUB-TOTAL</b> . . . . .	<b>78,169.39</b>	<b>26,098.12</b>	<b>2,995</b>
Bihar . . . . .	7,236.17	2,127.80	3,401
Orissa . . . . .	25,00.02	744.00	3,360
West Bengal . . . . .	18,958.35	5,309.61	3,571
D.V.C. . . . .	13,665.01	4,139.85	3,301
A & N Islands . . . . .	11.47	1.67	6,868
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>42,371.02</b>	<b>12,322.93</b>	<b>3,438</b>
Andhra Pradesh . . . . .	11,351.13	3,595.90	3,157
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	8,329.90	2,445.95	3,406
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	10,568.18	3,174.60	3,329
<b>SUB-TOTAL</b> . . . . .	<b>30,249.21</b>	<b>9,216.45</b>	<b>3,282</b>
Assam . . . . .	555.77	167.42	3,320
Manipur . . . . .	..	..	..
Meghalaya . . . . .	0.98	Neg.	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>556.75</b>	<b>167.42</b>	<b>3,325</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,97,226.53</b>	<b>60,713.78</b>	<b>3,248</b>

TABLE NO. 45—Contd.

State/UTs	Gas Stations	
	Natural Gas (million Cu. Mts.)	Generation (GWH)
Haryana . . . . .	..	..
Himachal Pradesh . . . . .	..	..
Jammu & Kashmir . . . . .	..	..
Punjab . . . . .	..	..
Rajasthan . . . . .	..	..
Uttar Pradesh . . . . .	..	..
Chandigarh . . . . .	110(E)(Oil)	0.32
Delhi . . . . .	..	..
Central Sector . . . . .	..	..
<b>SUB-TOTAL</b> . . . . .	<b>110(E)</b>	<b>0.32</b>
Gujarat . . . . .	16.09	47.40
Madhya Pradesh . . . . .	..	..
Maharashtra . . . . .	..	..
Goa, Daman & Diu . . . . .	..	..
Dadra & Nagar Haveli . . . . .	..	..
Central Sector . . . . .	..	..
<b>SUB-TOTAL</b> . . . . .	<b>16.09</b>	<b>47.40</b>
Bihar . . . . .	..	..
Orissa . . . . .	..	..
West Bengal . . . . .	75,004(Oil)	179.50
D.V.C. . . . .	..	..
A. & N. Islands . . . . .	..	..
Sikkim . . . . .	..	..
<b>SUB-TOTAL</b> . . . . .	<b>75,004(Oil)</b>	<b>179.50</b>
Andhra Pradesh . . . . .	..	..
Karnataka . . . . .	..	..
Kerala . . . . .	..	..
Tamil Nadu . . . . .	..	..
Pondicherry . . . . .	..	..
Lakshadweep . . . . .	..	..
Central Sector . . . . .	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>
Assam . . . . .	150.33	294.78
Manipur . . . . .	..	..
Meghalaya . . . . .	..	..
Nagaland . . . . .	..	..
Tripura . . . . .	..	..
Arunachal Pradesh . . . . .	..	..
Mizoram . . . . .	..	..
<b>SUB-TOTAL</b> . . . . .	<b>150.33</b>	<b>294.78</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>166.42 (N. Gas + 75.114 Oil)</b>	<b>522.00</b>

NOTE. E—Estimated

Oil—Oil in Kilo Litres.

N. Gas—Natural Gas.

TABLE NO. 45—Contd.

State/UTs.	Diesel Station		
	Diesel Oil (K. Lits)	Generation (GWH)	Average Oil Con- sume Lts./Kwh
Haryana . . . . .	36(E)	0.12	0.30
Himachal Pradesh . . . . .	37(E)	0.13	0.28
Jammu & Kashmir . . . . .	101(E)	0.36	0.28
Punjab . . . . .	792	1.47	0.54
Rajasthan . . . . .	148	0.36	0.41
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	24(E)	0.07	0.34
Delhi . . . . .	446	1.39	0.32
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,584</b>	<b>3.90</b>	<b>0.41</b>
Gujarat . . . . .	40	0.09	0.44
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>40</b>	<b>0.09</b>	<b>0.44</b>
Bihar . . . . .	726	2.16	0.34
Orissa . . . . .	..	..	..
West Bengal . . . . .	5,253	17.12	0.31
D.V.C. . . . .	..	..	..
A & N Islands . . . . .	2,886	6.00	0.48
Sikkim . . . . .	350(E)	1.00	0.35
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>9,215</b>	<b>26.28</b>	<b>0.35</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	650(E)	1.30	0.50
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>650</b>	<b>1.30</b>	<b>0.50</b>
Assam . . . . .	689(E)	2.48	0.28
Manipur . . . . .	7,050(E)	23.49	0.30
Meghalaya . . . . .	540	2.16	0.25
Nagaland . . . . .	341	0.74	0.46
Tripura . . . . .	300(E)	0.85	0.35
Arunachal Pradesh . . . . .	537	1.85	0.29
Mizoram . . . . .	679(E)	1.94	0.35
<b>SUB-TOTAL</b> . . . . .	<b>10,136</b>	<b>33.51</b>	<b>0.30</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>21,625</b>	<b>65.08</b>	<b>0.33</b>

TABLE NO. 46  
*Classification of Steam Stations Efficiencywise*  
 During 1980-81

Overall Thermal Efficiency	No. of Genrating stations	Aggregate installed capacity(MW)	Energy generated by the group(GWH)	%to total generation
Under 10%	14*	286.55	99.70	0.16
Above 10% & upto 15%	20	530.98	1,128.69	1.86
Above 15% & upto 20%	8	962.50	2,658.82	4.38
Above 20% & upto 25%	15	2,255.60	8,560.79	14.60
Above 25% & upto 30%	31	9,507.50	32,207.50	53.05
Above 30%	10	3579.00	16118.91	26.55
<b>TOTAL</b>	98	17122.13	60713.78	100.00

\*Includes 5 power stations having total aggregate capacity of 190.75 MW and having nil generation.

**TABLE NO. 47**  
*Salient Operating Data for Steam Power Stations*  
**(UTILITIES ONLY)**  
During 1980-81

Items	1980-81	1979-80	%Increase
(i) No. of Stations . . . . .	98	102	3.92
(ii) Aggregate Installed capacity (MW) . . . . .	17,122.13	15,991.13	7.07
(iii) Total energy generated(gross) (GWH) . . . . .	60,713.78	55,719.83	8.96
(iv) Installed capacity of plants(above 50 MW) . . . . .	16,571.50	15,389.00	7.68
(v) Energy generated from plants (above 50MW) . . . . .	59,524.05	54,319.05	9.58
(vi) KWH/KW installed from plants (above 50MW), . . . . .	3,592	3,530	..
(vii) Fuel used : (All Stations) . . . . .	3,58,19,045	3,25,86,115	9.92
(a)(i) Coal (Tonnes) . . . . .	3,58,19,045	3,25,86,115	9.92
(ii) Average calorific value K. cal/Kg. . . . .	4,402	4,585	..
(b) (i) Lignite Tonnes . . . . .	39,78,830	24,49,307	62.45
(ii) Average calorific value K. cal/Kg. . . . .	2,413	2,454	..
(c) (i) Wood (Tonnes) . . . . .	5,656	13,968	(-)59.51
(ii) Average calorific value K. cal/kg. . . . .	2,953	2,631	..
(d) (i) Furnace Oil (K. Litrs) . . . . .	18,69,991	16,17,416	15.62
(ii) Average calorific value (K. cal./Litrs.) . . . . .	10,558	10,297	..
(e) (i) Diesel Oil and Kerosene Oil (K. Litrs.) . . . . .	2,21,279	2,51,872	(-) 12.15
(ii) Average calorific value (K. cal/Litrs.) . . . . .	10,289	9,112	..
(f) (i) ISHS & HHS (Tonnes) . . . . .	4,20,542	4,79,931	(-)17.37
(ii) Average calorific value (K. cal./Litrs.) . . . . .	10,961	10,592	..
(g) Overall thermal efficiency for plants above 50MW (Average) . . . . .	26.75	26.29	..
(h) Total fuel consumption (coal equivalent at 5000 K. cal/kg. tonnes) (All Stations) . . . . .	3,94,45,306	3,67,35,082	7.38

**TABLE NO. 48**  
*Actual Simultaneous Peak Demand@*  
Regionwise during 1980-81

Region	Month in which Demand was maximum	Actual Peak Demand (MW)
Northern . . . . .	January 1981 . . . . .	5,015
Western . . . . .	January 1981 . . . . .	5,442
Eastern . . . . .	February 1981 . . . . .	2,429
Southern . . . . .	November 1980 . . . . .	4,425
North Eastern . . . . .	March 1981 . . . . .	189
<b>ALL INDIA AGGREGATE PEAK DEMAND . . . . .</b>		<b>17,500*</b>

**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—Progress Reports of Regional Electricity Boards.

TABLE NO. 49

*Manpower engaged in State Electricity Boards, DVC & DESU as on 31-3-1981 as Reported by State Electricity Boards*

Name of Electy. Board/Undertaking	Regular			
	Managerial and higher executives	Technical and scientific officers	Technical supervisory staff	Technicians and operation staff
1	2	3	4	5
<i>Northern Region</i>				
1. Himachal Pradesh . . . . .	5	21,20	**	536
2. Punjab . . . . .	8	1,522	@@	36,523
3. D.E.S.U. . . . .	3	442	1,193	16,954
<i>Western Region</i>				
4. Gujarat . . . . .	3	415	12,126	15,473
5. Madhya Pradesh . . . . .	15	2,199	3,385	30,697
6. Maharashtra . . . . .	30	4,950	9,445	54,443
<i>Eastern Region</i>				
7. Bihar . . . . .	22	1,452	1,760	24,470
8. D.V.C. . . . .	7	1,075	584	3,917
9. Orissa . . . . .	8	789	@@	20,759
10. West Bengal . . . . .	3	1,143	1,517	18,717
<i>Southern Region</i>				
11. Andhra Pradesh . . . . .	16	1,133	4,049	29,892
12. Karnataka . . . . .	4	2,120	1,520	9,437
13. Kerala . . . . .	8	773	983	13,885

NOTE.—Data in respect of State Electricity Boards of Haryana, Rajasthan, J& K, Uttar Pradesh, Tamil Nadu, Assam and Meghalaya are not available.

@—Includes managerial & high executives.

@@—Included in technicians & operating Staff.

\*\*—Included in Technical & Scientific officers.



TABLE No. 49—Contd.

Name of Electy Board/Undertaking	Regular		Non-Regular	
	Non-Technical	Total Regular (1+5)	Technical Trainees and Apprentices	Work charge Staff
	6	7	8	9
<i>Northern Region</i>				
1. Himachal Pradesh . . . . .	4,001	6,662	Data not available.	
2. Punjab . . . . .	95,11	47,564	..	23,011
3. D.E.S.U. . . . .	7,071	25,663	..	..
<i>Western Region</i>				
4. Gujarat . . . . .	1,915	29,932	Data not avazilable.	
5. Madhya Pradesh . . . . .	17,874	54,170	1,105	2,488
6. Maharashtra . . . . .	16,510	85,378	Data not available.	
<i>Eastern Region</i>				
7. Bihar . . . . .	14,105	41,809	Data not available.	
8. D.V.C. . . . .	10,784	16,367	27	..
9. Orissa . . . . .	@@	21,556	1,012	5,687
10. West Bengal . . . . .	14,192	35,572	352	243
<i>Southern Region</i>				
11. Andhra Pradesh . . . . .	13,222	48,312	627	3879
12. Karnataka . . . . .	20,208	33,289	1,224	7,808
13. Kerala . . . . .	10,697	26,346	235	..

TABLE No. 49—Contd.

Name of Electricity Board/Undertaking	Casual	Total non-Regular (7+9)	Total Regular and non- Regular(6+10)
	10	11	12
<i>Northern Region</i>			
1. Himachal Pradesh . . . . .	Details not available		6,662*
2. Punjab . . . . .	..	23,011	70,575
3. D.E.S.U. . . . .	..	..	25,663*
<i>Western Region</i>			
4. Gujarat . . . . .	Details not available		29,932*
5. Madhya Pradesh . . . . .	35,106	38,699	92,869
6. Maharashtra . . . . .	15,000	N.A	1,00,378***
<i>Eastern Region</i>			
7. Bihar . . . . .	Data not available		41809*
8. D.V.C. . . . .	1,500	1527	17,894
9. Orissa . . . . .	5,000	11,699	33,255
10. West Bengal . . . . .	107	702	36,274
<i>Southern Region</i>			
11. Andhra Pradesh . . . . .	893	5,399	53,711
12. Karnataka . . . . .	..	9,032	42,321
13. Kerala . . . . .	..	235	26,581

\*\*\*—Figure pertains other than non-regular technical trainees and work charged staff.

\*—Figures pertains to regular employees only.

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**SECTION VII**  
**TRANSMISSION & DISTRIBUTION**

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## TRANSMISSION AND DISTRIBUTION

### I. Transmission and Distribution Lines :

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 400 KV, 230/220 KV, 110 KV and 66 KV. 400 KV E.H.V. lines have been introduced so far by the SEB's of U.P. and Maharashtra and B.B.M.B. (Punjab) only.

The standard voltages of operation on the Distribution side are 33 KV, 22 KV, 400/230 Volts besides 6.6 KV, 3.3 KV and 2.2KV. 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 31-3-1981 with comparative increase over previous year :—

Voltages	Length of Lines (Ckt kms)		%increase
	31-3-1980	31-3-1981	
400 KV . . . . .	1,452	2,340	61.16
230/220 KV . . . . .	30,032	31,834	6.00
132/110/90 KV . . . . .	57,049	59,738	4.71
78/66 KV . . . . .	26,498	26,752	0.96
33/22 KV . . . . .	1,56,645	1,63,882	4.62
15/11 KV . . . . .	7,17,194	7,77,077	8.35
6.6/3.3/2.2 KV . . . . .	8,138	7,436	(- )8.63
Distribution lines upto 500 volts . . . . .	13,54,601	14,53,402	7.29
<b>TOTAL . . . . .</b>	<b>23,51,609</b>	<b>2,5,22,461</b>	<b>7.27</b>

The state of Tamil Nadu has the largest T & D Network of 333912 ckt kms. Apart from Tamil Nadu State of Punjab, Haryana, Rajasthan, Uttar Pradesh, Gujarat, Madhya Pradesh, Maharashtra, Bihar, Andhra Pradesh & 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, 1981 were 1184 having aggregate capacity of 37094.01 MVA. The number and capacity of step down and Distribution Transformers as on same date were 11088 and 547175 numbers with aggregate capacity of 97882.03 MVA and 43829.40 respectively.

TABLE NO. 50

*Length of Transmission and Distribution lines*  
Regionwise/Statewise as on 31st March, 1981

		(ckt. Kms)			
Region	State/UTs.	Total	400 KV (O. H)	230 KV (O. H)	220 KV (O. H)
<i>Northern Region</i>	Haryana . . . . .	1,07,785	..	..	..
	Himachal Pradesh . . . . .	25,856	..	..	..
	Jammu & Kashmir . . . . .	2,634	..	..	124
	Punjab . . . . .	1,25,063	270	..	3,326
	Rajasthan . . . . .	1,51,492	..	..	1,900
	Uttar Pradesh . . . . .	2,76,873	1,157	..	3,416
	Chandigarh . . . . .	1,018	..	..	..
	Delhi . . . . .	18,138	..	..	280
	SUB-TOTAL . . . . .	7,32,604	1,427	..	9,046
<i>Western Region</i>	Gujarat . . . . .	1,52,092	..	..	3,190
	Madhya Pradesh . . . . .	2,181,07	..	..	3,766
	Maharashtra . . . . .	2,80,432	913	..	3,899
	Goa, Daman & Diu . . . . .	5,100	..	..	24
	D. & N Haveli . . . . .	384	..	..	..
	SUB-TOTAL . . . . .	6,56,115	913	..	10,879
<i>Eastern Region</i>	Bihar . . . . .	1,11,004	..	..	869
	Orissa . . . . .	62,526	..	..	1,047(A)
	West Bengal . . . . .	69,998	..	..	724
	D. V. C. (*) . . . . .	3,149	..	..	..
	A. & N. Islands . . . . .	677	..	..	..
	Sikkim . . . . .	554	..	..	..
	SUB-TOTAL . . . . .	2,47,908	..	..	2,640
<i>Southern Region</i>	Andhra Pradesh . . . . .	2,08,793	..	..	2,661
	Karnataka . . . . .	2,25,673	..	..	3,324
	Kerala . . . . .	75,781	..	..	887
	Tamil Nadu . . . . .	3,33,912	..	2,140	..
	Pondicherry . . . . .	2,926	..	..	..
	Lakshadweep . . . . .	114	..	..	..
	SUB-TOTAL . . . . .	8,47,199	..	2,140	6,872
<i>North Eastern Region</i>	Assam . . . . .	25,879	..	..	257
	Manipur (*) . . . . .	970	..	..	..
	Meghalaya . . . . .	4,184	..	..	..
	Nagaland . . . . .	3,634	..	..	..
	Tripura (*) . . . . .	2,487	..	..	..
	Arunachal Pradesh . . . . .	1,212	..	..	..
	Mizoram (*) . . . . .	269	..	..	..
	SUB-TOTAL . . . . .	38,635	..	..	257
TOTAL (ALL INDIA)		25,22,461	2,340	2,140	29,694

(\*) Length of lines repeated due to non-receipt of information.

TABLE NO. 50—Contd.

(ckt Kms.)

Name of State/Uts	132 KV	110/90 KV	78/66 KV	33 KV	(UG)
	(OH)	(OH)	(OH)	(OH)	
Haryana . . . . .	13,82	..	905	3,106	..
Himachal Pradesh . . . . .	22*	..	87*	1,087*	..
Jammu & Kashmir . . . . .	246(A)	..	184(A)	1,150	..
Punjab . . . . .	2,029	..	18,72	2,973	..
Rajasthan . . . . .	4,236	..	415	14,047	..
Uttar Pradesh . . . . .	8,023	..	1,937	19,509	166
Chandigarh . . . . .	..	..	..	30	..
Delhi . . . . .	..	..	58	321	351
<b>SUB-TOTAL</b> . . . . .	<b>15,938</b>	<b>..</b>	<b>5,458</b>	<b>42,223</b>	<b>517</b>
Gujarat . . . . .	3,405	..	5,678	3,233(A)	..
Madhya Pradesh . . . . .	6,917	..	362	20,522	..
Maharashtra . . . . .	4,319	3,022	3,015	10,241	..
Goa, Daman & Diu . . . . .	..	77	..	581	..
D. & N. Haveli . . . . .	..	..	16	..	..
<b>SUB-TOTAL</b> . . . . .	<b>14,641</b>	<b>3,099</b>	<b>9,071</b>	<b>34,577</b>	<b>..</b>
Bihar . . . . .	3,180	..	..	9,071	..
Orissa . . . . .	2,498	..	333	6,879	10
West Bengal . . . . .	1,842(A)	..	505(A)	3,740(A)	538
D.V.C. . . . .	2,505	..	..	629	..
A. & N. Islands . . . . .	..	..	..	70	..
Sikkim . . . . .	..	..	7	..	..
<b>SUB-TOTAL</b> . . . . .	<b>10,025</b>	<b>..</b>	<b>845</b>	<b>20,389</b>	<b>548</b>
Andhra Pradesh . . . . .	3,794	..	2,277	10,657	..
Karnataka . . . . .	..	4,230	3,187	3,553	..
Kerala . . . . .	..	1,511(A)	2,062	..	..
Tamil Nadu . . . . .	..	4,895	2,846	3,332	147
Pondicherry . . . . .	..	25	..	..	..
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3,794</b>	<b>10,661</b>	<b>10,372</b>	<b>17,542</b>	<b>147</b>
Assam . . . . .	925	..	681	4,765	..
Manipur . . . . .	..	..	128	..	..
Meghalaya . . . . .	435	..	..	751	..
Nagaland . . . . .	72	..	..	754	..
Tripura . . . . .	148	..	98	293	..
Arunachal Pradesh . . . . .	..	..	..	384	..
Mizoram . . . . .	..	..	99	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,580</b>	<b>..</b>	<b>1,006</b>	<b>6,947</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>45,978</b>	<b>13,760</b>	<b>26,752</b>	<b>1,21,678</b>	<b>1,212</b>

(A)— In certain class of voltage, figures have gone down as compared to previous year due to revision of data by State Electricity Board.

TABLE No. 50—Contd.

State/Uts	22/ 20 KV.		15/11 KV		6.6 KV	
	(OH)	(UG)	(O.H)	(U.G)	(O.H)	(U.G.)
Haryana	..	..	35,939	..	..	..
Himachal Pradesh	1,852*	..	5,148*	..	..	..
Jammu & Kashmir	..	..	7,237@	..	..	..
Punjab	..	..	38,750	59	..	..
Rajasthan	..	..	53,646	..	61	..
Uttar Pradesh	..	..	1,24,268	1,046	317	551
Chandigarh	..	..	237	160	..	..
Delhi	..	..	1,851	2,625	..	..
<b>SUB-TOTAL</b>	<b>1,852*</b>	<b>..</b>	<b>2,67,076</b>	<b>3,890</b>	<b>378</b>	<b>551</b>
Gujarat	8,988	..	52,340	858	..	..
Madhya Pradesh	..	..	67,591	..	10	..
Maharashtra	10,004	611	74,860	1,119	55	*1,008
Goa, Daman & Diu	..	..	1,468	..	..	..
D. & N Haveli	..	..	163	..	..	..
<b>SCB-TOTAL</b>	<b>18,992</b>	<b>611</b>	<b>1,96,422</b>	<b>1,977</b>	<b>65</b>	<b>1,008</b>
Bihar	..	..	42,023	408	..	..
Orissa	..	..	26,750	188	..	..
West Bengal	..	60	31,670	719	587	2,110
D. V. C. (R)	..	..	15	..	..	..
A. & N. Islands	..	..	206	..	..	..
Sikkim	..	..	216	1	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>60</b>	<b>1,00,880</b>	<b>1,316</b>	<b>587</b>	<b>2,110</b>
Andhra Pradesh	..	..	68,870	..	..	..
Karnataka	..	..	62,496	383	..	..
Kerala	..	..	14,149	..	..	..
Tamil Nadu	19,046	1	45,018	1,172	..	..
Pondicherry	430	..	139	..	..	..
Lakshadweep	..	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>19,476</b>	<b>1</b>	<b>1,90,672</b>	<b>1,555</b>	<b>..</b>	<b>..</b>
Assam	..	..	8,763	..	..	..
Manipur	..	..	221	..	..	..
Meghalaya	..	..	1,692	..	..	..
Nagaland	..	..	1,219	..	..	..
Tripura	..	..	1,109	..	..	..
Arunachal Pradesh	..	..	243	..	..	..
Mizoram	..	..	42	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>13,289</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>40,320</b>	<b>672</b>	<b>7,68,339</b>	<b>8,738</b>	<b>1030</b>	<b>3,669</b>

TABLE NO. 50—Contd.

(Circuit Kilometres).

Name of State/U.Ts.	3.3/2.2 KV		Distribution lines up to 500 Volts.
	O.H.	U. G.	
Haryana . . . . .	..	..	66,452
Himachal Pradesh . . . . .	147*	..	17,543
Jammu & Kashmir . . . . .	..	..	17,408
Punjab . . . . .	..	..	75,784
Rajasthan . . . . .	48	..	77,139
Uttar Pradesh . . . . .	106	250	1,16,127
Chandigarh . . . . .	..	..	591
Delhi . . . . .	..	..	12,652
<b>SUB-TOTAL . . . . .</b>	<b>301</b>	<b>250</b>	<b>3,83,697</b>
Gujarat . . . . .	34	..	74,366@
Madhya Pradesh . . . . .	41	..	1,18,898
Maharashtra . . . . .	209	72	1,67,085(A)
Goa, Daman & Diu . . . . .	..	..	2,950
Dadra & Nagar Haveli . . . . .	..	..	205
<b>SUB-TOTAL . . . . .</b>	<b>284</b>	<b>72</b>	<b>3,68,504</b>
Bihar . . . . .	..	..	55,453
Orissa . . . . .	..	..	24,821
West Bengal . . . . .	28	60	27,415
D.V. C. (R) . . . . .	..	..	..
A. & N. Islands . . . . .	..	..	401
Sikkim . . . . .	18	..	312
<b>SUB-TOTAL . . . . .</b>	<b>46</b>	<b>60</b>	<b>1,08,402</b>
Andhra Pradesh . . . . .	..	..	120,534
Karnataka . . . . .	1,656	54	1,46,790
Kerala . . . . .	..	..	57,172
Tamil Nadu . . . . .	..	..	2,55,315
Pondicherry . . . . .	7	..	2,325
Lakshadweep . . . . .	7	..	107
<b>SUB-TOTAL . . . . .</b>	<b>1,670</b>	<b>54</b>	<b>5,82,243</b>
Assam . . . . .	..	..	10,488
Manipur** . . . . .	..	..	621
Meghalaya . . . . .	..	..	1,306
Nagaland . . . . .	..	..	1,589
Tripura . . . . .	..	..	839
Arunachal Pradesh . . . . .	..	..	585
Mizoram . . . . .	..	..	128
<b>SUB-TOTAL . . . . .</b>	<b>..</b>	<b>..</b>	<b>15,556</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>2,301</b>	<b>436</b>	<b>14,53,402</b>

@—Includes 6.6/5 KV &amp; 3.3/2.2 KV lines of Electricity Board.

TABLE NO. 51

Length of Transmission and Distribution lines in State Electricity Boards as on 31st March, 1981,

(Circuit Kilometres)

Region	State/ U. Ts.	Total	(Circuit Kilometres)		
			400KV (O.H)	230KV (O.H.)	220KV (O.H.)
<i>Northern Region</i>	Haryana	1,07,785	..	..	..
	Himachal Pradesh	25,886	..	..	..
	Jammu & Kashmir	26,349	..	..	124
	Punjab	1,19,911	..	..	548
	Rajasthan	1,50,645	..	..	1,771
	Uttar Pradesh (A)	2,74,472	1,157	..	3,416
	<b>SUB-TOTAL</b>	<b>7,05,048</b>	<b>1,157</b>	<b>..</b>	<b>5,859</b>
<i>Western Region</i>	Gujarat	1,45,378	..	..	3,190
	Madhya Pradesh	2,15,829	..	..	3,766
	Maharashtra	2,63,661	913	..	3,899
	<b>SUB-TOTAL</b>	<b>6,26,868</b>	<b>913</b>	<b>..</b>	<b>10,855</b>
<i>Eastern Region</i>	Bihar	1,09,717	..	..	869
	Orissa	62,082	..	..	1,047(A)
	West Bengal	61,092	..	..	724
	<b>SUB-TOTAL</b>	<b>2,32,891</b>	<b>..</b>	<b>..</b>	<b>2,640</b>
<i>Southern Region</i>	Andhra Pradesh	2,03,886	..	..	2,661
	Karnataka	2,23,826	..	..	3,324
	Kerala	74,414	..	..	887
	Tamil Nadu (A)	3,31,305	..	2,140	..
	<b>SUB-TOTAL</b>	<b>8,33,431</b>	<b>..</b>	<b>2,140</b>	<b>6,872</b>
<i>North-Eastern Region</i>	Assam	25,879	..	..	257
	Meghalaya	4,184	..	..	..
	<b>SUB-TOTAL</b>	<b>30,063</b>	<b>..</b>	<b>..</b>	<b>257</b>
<b>TOTAL (ALL INDIA)</b>		<b>24,28,301</b>	<b>2,070</b>	<b>2,140</b>	<b>26,483</b>



TABLE NO. 51—*Contd.*

(Circuit Kilometres)

State/U.T.	132 KV	110/90KV	78/66 KV	33 KV	
	(O. H.)	(O.H.)	(O.H.)	(O.H.)	(U.G.)
Haryana	1,382	..	905	3,106	..
Himachal Pradesh	22*	..	87*	1,087*	..
Jammu & Kashmir	246(A)	..	184(A)	1,150	..
Punjab	2,013	..	1,757	2,973	..
Rajasthan	4,236	..	415	14,047	..
Uttar Pradesh	8,023	..	1,937	19,504	166
<b>SUB-TOTAL</b>	<b>15,922</b>	<b>..</b>	<b>5,285</b>	<b>44,872</b>	<b>166</b>
Gujarat	3,350	..	5,556	3,233	..
Madhya Pradesh	6,917	..	362	20,522	..
Maharashtra	4,319	1,567	3,015	10,241	..
<b>SUB-TOTAL</b>	<b>14,586</b>	<b>1,567</b>	<b>8,933</b>	<b>33,996</b>	<b>..</b>
Bihar	3,180	..	..	9,071	..
Orissa	2,498	..	333	6,879	10
West Bengal	1,786(A)	..	505(A)	3,690(A)	25
<b>SUB-TOTAL</b>	<b>7,464</b>	<b>..</b>	<b>838</b>	<b>19,640</b>	<b>35</b>
Andhra Pradesh	3,602	..	2,064	10,657	..
Karnataka	..	4,130	3,187	3,553	..
Kerala	..	1,511(A)	2,062	..	..
Tamil Nadu	..	4,895	2,846	3,332	147
<b>SUB-TOTAL</b>	<b>3,602</b>	<b>10,536</b>	<b>10,159</b>	<b>17,542</b>	<b>147</b>
Assam	925	..	681	4,765	..
Meghalaya	435	..	..	751	..
<b>SUB-TOTAL</b>	<b>1,360</b>	<b>..</b>	<b>681</b>	<b>5,516</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>42,934</b>	<b>12,203</b>	<b>25,896</b>	<b>1,18,566</b>	<b>348</b>

\*—Data repeated due to non-availability of information.

(A)—In certain class of voltage, figures have gone down as compared to previous year due to revision of data by Electricity Board.

TABLE NO. 51—Contd.

(Circuit Kilometres)

State/U.T.	22 KV		15/11 KV		6.6 KV	
	(O. H)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
Haryana . . . . .	..	..	35,939	..	..	..
Himachal Pradesh . . . . .	1,852*	..	5,146*	..	..	..
Jammu & Kashmir . . . . .	..	..	7,237@	..	..	..
Punjab . . . . .	..	..	38,679	..	..	..
Rajasthan . . . . .	..	..	53,467	..	61	..
Uttar Pradesh . . . . .	..	..	12,290	1,046	317	551
<b>SUB-TOTAL</b> . . . . .	<b>1,852</b>	<b>..</b>	<b>2,63,431</b>	<b>1,046</b>	<b>378</b>	<b>551</b>
Gujarat . . . . .	8,988	..	51,169	..	..	..
Madhya Pradesh . . . . .	..	..	66,995	..	10	..
Maharashtra . . . . .	9,794	14	73,791	235	..	..
<b>SUB-TOTAL</b> . . . . .	<b>18,782</b>	<b>14</b>	<b>1,91,955</b>	<b>235</b>	<b>10</b>	<b>..</b>
Bihar . . . . .	..	..	42,023	..	..	..
Orissa . . . . .	..	..	26,541	188	..	..
West Bengal . . . . .	..	..	31,415	330	521	246
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>99,979</b>	<b>518</b>	<b>521</b>	<b>246</b>
Andhra Pradesh . . . . .	..	..	67,474	..	..	..
Karnataka . . . . .	..	..	61,953	383	..	..
Kerala . . . . .	..	..	13,991	..	..	..
Tamil Nadu . . . . .	19,037	1	44,609	1,160	..	..
<b>SUB-TOTAL</b> . . . . .	<b>19,037</b>	<b>1</b>	<b>1,88,027</b>	<b>1,543</b>	<b>..</b>	<b>..</b>
Assam . . . . .	..	..	8,763	..	..	..
Meghalaya . . . . .	..	..	1,692	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>10,455</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>39,671</b>	<b>15</b>	<b>7,53,847</b>	<b>3,342</b>	<b>909</b>	<b>797</b>

TABLE NO. 51—Contd.

(Ckt. Kms.)

Name of the State/UTs.	3.3/2.2 KV		Distribution lines upto 500 Volts.
	(O.H.)	(U.G.)	
Haryana . . . . .	..	..	66,453
Himachal Pradesh . . . . .	147	..	17,543
Jammu & Kashmir . . . . .	..	..	17,408
Punjab . . . . .	..	..	73,941
Rajasthan . . . . .	48	..	76,600
Uttar Pradesh . . . . .	106	250	1,15,033
<b>SUB-TOTAL</b> . . . . .	<b>301</b>	<b>250</b>	<b>3,66,978</b>
Gujarat . . . . .	..	..	69,892@
Madhya Pradesh . . . . .	41	..	1,17,216
Maharashtra . . . . .	..	..	1,57,873(A)@
<b>SUB-TOTAL</b> . . . . .	<b>41</b>	<b>..</b>	<b>3,44,981</b>
Bihar . . . . .	..	..	54,574
Orissa . . . . .	..	..	24,586
West Bengal . . . . .	17	38	21,795
<b>SUB-TOTAL</b> . . . . .	<b>17</b>	<b>38</b>	<b>1,00,955</b>
Andhra Pradesh . . . . .	..	..	1,17,428
Karnataka . . . . .	1,656	54	1,45,486
Kerala . . . . .	..	..	55,963
Tamil Nadu . . . . .	..	..	2,53,138
<b>SUB-TOTAL</b> . . . . .	<b>1,656</b>	<b>54</b>	<b>5,72,015</b>
Assam . . . . .	..	..	10,488
Meghalaya . . . . .	..	..	1,306
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>11,794</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>2,015</b>	<b>342</b>	<b>13,96,723</b>

## NOTE :

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

A—In certain cases, 1930-81 figures may not be consistent with the last year figures because of estimation of data due to improper reporting or revision of data by Electricity Board.

TABLE NO. 52

*Number of Transformers and Their Aggregate Capacity  
(UTILITIES ONLY)*

Regionwise/Statewise as on 31st March, 1981.

Region	State/UTs.	Step-up		Step-down	
		Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity (KVA)
<i>Northern Region</i>	Haryana	6(A)	5,10,000	367	22,64,670
	Himachal Pradesh (E)	39	3,29,182	102	2,71,697
	Jammu & Kashmir (R)	57	3,01,000	73	3,25,000
	Punjab	46	33,87,510	446	70,98,500
	Rajasthan	34(A)	8,57,725(A)	1,218	46,32,165
	Uttar Pradesh	124(A)	45,73,400	1,977	1,60,61,751(A)
	Chandigarh	2	1,500	7	42,000
	Delhi	19	12,00,000	165	18,48,500
	<b>SUB-TOTAL</b>	<b>337</b>	<b>1,11,60,317</b>	<b>4,295</b>	<b>3,25,44,283</b>
<i>Western Region</i>	Gujarat	41(A)	26,76,420(A)	503	84,27,250
	Madhya Pradesh	25(A)	18,15,500(A)	1,087	1,65,67,350
	Maharashtra	106	53,77,400	835	1,67,33,395
	Goa, Daman & Diu	..	..	22	2,34,950
	D & N Haveli	..	..	2	10,000
	<b>SUB-TOTAL</b>	<b>172</b>	<b>98,69,320</b>	<b>2,449</b>	<b>3,19,72,945</b>
<i>Eastern Region</i>	Bihar	43(A)	13,75,300	657	33,83,150
	Orissa	43	12,42,500(A)	355	14,54,000(A)
	West Bengal	127	16,23,053	540	44,62,060
	D.V.C.	23(A)	17,13,350(A)	81	21,30,400
	A. & N. Islands	12	6,285(A)	..	..
	Sikkim	11	17,950(A)	4	10,750
	<b>SUB-TOTAL</b>	<b>259</b>	<b>59,78,438</b>	<b>1,637</b>	<b>1,14,40,360</b>
<i>Southern Region</i>	Andhra Pradesh	78	28,53,300	934	58,51,580
	Karnataka	57	18,85,000	454	41,90,630
	Kerala	54	11,97,975	224	29,68,500
	Tamil Nadu	132	37,16,632	862	81,96,617
	Pondicherry	..	..	..	..
	Lakshadweep	2	410	..	..
	<b>SUB-TOTAL</b>	<b>323</b>	<b>96,53,317</b>	<b>2,454</b>	<b>2,12,07,327</b>
<i>North-Eastern Region</i>	Assam	33	2,36,707	177	5,89,063
	Manipur (R)	12	9,600	..	..
	Meghalaya	14	1,50,550	26	64,550
	Nagaland	6	3,500	36	24,700
	Tripura (R)	9	24,760	11	36,000
	Arunachal Pradesh	18	7704	1	300
	Mizoram (R)	1	400	2	2,500
	<b>SUB-TOTAL</b>	<b>93</b>	<b>4,32,621</b>	<b>253</b>	<b>7,17,113</b>
	<b>TOTAL (ALL INDIA)</b>	<b>1,184</b>	<b>3,70,94,013</b>	<b>11,088</b>	<b>9,78,82,027</b>

(E) — Date Estimated due to non-availability of information.

(A) — Figure has gone down as compared to previous year due to revision/delition/Failure of transformers by Board/Electr. Departments.

TABLE NO. 52—Contd.

State/U. Ts.	Distribution Transformers	
	Number	Aggregate Capacity (KVA)
Haryana	31,385	24,20,581
Himachal Pradesh	3,432	2,05,920
Jammu & Kashmir (R)	2,700	3,50,000
Punjab	35,323	27,83,484
Rajasthan	35,289	24,75,061
Uttar Pradesh	1,09,581	58,08,169
Chandigarh	387	1,15,900
Delhi	3,116	15,63,975
<b>UB-TOTAL</b>	<b>2,21,213</b>	<b>1,57,23,090</b>
Gujarat	45,884	36,18,874
Madhya Pradesh	35,072	27,20,667
Maharashtra	49,892	59,30,423
Goa, Daman & Diu	889(A)	64,710(A)
D & N Haveli	85	4,879
<b>SUB-TOTAL</b>	<b>1,31,822</b>	<b>1,23,39,553</b>
Bihar	22,908	18,29,116
Orissa	12,218	7,73,000(A)
West Bengal	18,287	12,38,304
D. V. C.	..	..
A. & N. Islands	70	7,050
Sikkim	100	10,500
<b>SUB-TOTAL</b>	<b>53,583</b>	<b>38,57,970</b>
Andhra Pradesh	38,332	26,42,367
Karnataka	34,639	23,27,674
Kerala	10,662	11,12,248
Tamil Nadu	50,941	51,60,710
Pondicherry	622	72,141
Lakshadweep	5	290
<b>SUB-TOTAL</b>	<b>1,35,201</b>	<b>1,13,11,430</b>
Assam	3,695	4,69,111
Manipur (R)	121	8,400
Meghalaya	457	39,328
Nagaland	403	30,458
Tripura (R)	560	39,768
Arunachal Pradesh	81	4,459
Mizoram (R)	39	5,828
<b>SUB-TOTAL</b>	<b>5,356</b>	<b>5,97,352</b>
<b>TOTAL (ALL INDIA)</b>	<b>5,47,175</b>	<b>4,38,29,395</b>

(R)— Data of 1979-80 repeated due to non-availability of information.

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

TABLE NO. 53

*Number of Transformers and their Aggregate Capacity*  
(UTILITIES ONLY)  
In State Electricity Board as on 31st March, 1981)

Region	State/U. Ts.	Step-up Transformers		Step-down Transformers	
		Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity (KVA)
<i>Northern Region</i>					
	Haryana . . . . .	6(A)	5,10,000	367	22,64,670
	Himachal Pradesh . . . . .	37	1,79,182	102	2,71,697
	Jammu & Kashmir (R) . . . . .	57	3,01,000	73	3,25,000
	Punjab . . . . .	20	8,37,010	381	42,90,500
	Rajasthan . . . . .	32 (A)	3,57,725 (A)	1,211	45,55,965
	Uttar Pradesh . . . . .	134(E)	45,73,400	1,977	1,60,61,751(A)
	<b>SUB-TOTAL</b>	286	67,58,317	4,111	2,77,69,583
<i>Western Region</i>					
	Gujarat . . . . .	28 (A)	21,81,420	462	78,60,250
	Madhya Pradesh . . . . .	25(A)	18,15,500	1,087	65,67,350
	Maharashtra . . . . .	70(E)	40,37,000	595(E)	1,30,73,570
	<b>SUB-TOTAL</b>	123	80,33,920	2,144	2,75,01,170
<i>Eastern Region</i>					
	Bihar . . . . .	43(A)	13,75,300	657	33,83,150
	Orissa . . . . .	43	12,42,500(A)	355	14,54,000(A)
	West Bengal . . . . .	109	12,38,853	397	25,03,335
	<b>SUB-TOTAL</b>	195	38,56,653	1,409	73,40,485
<i>Southern Region</i>					
	Andhra Pradesh . . . . .	78	28,53,300	934	58,51,580
	Karnataka . . . . .	57	18,85,000	434	41,90,630
	Kerala . . . . .	54	11,97,975	224	29,68,500
	Tamil Nadu . . . . .	121	27,31,632	843	78,56,617
	<b>SUB-TOTAL</b>	310	86,67,907	2,435	2,08,67,327
<i>North-Eastern Region</i>					
	Assam . . . . .	33	2,36,707	177	5,89,063
	Meghalaya . . . . .	14	1,50,550	26	64,550
	<b>SUB-TOTAL</b>	47	3,87,257	203	6,53,613
<b>TOTAL (ALL INDIA)</b>		961	2,77,04,054	10,302	8,41,32,178

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

(E) Estimated due to non-availability of information.

(R) Data for 1979-80 repeated due to non-availability of information.

TABLE No. 53—Contd.

State/U. Ts.	Distribution Transformers	
	Number	Aggregate Capacity (KVA)
Haryana . . . . .	31,385	24,20,581
Himachal Pradesh . . . . .	3,432	2,05,920
Jammu & Kashmir . . . . .	2,700	3,50,000
Punjab . . . . .	35,157	27,14,584
Rajasthan . . . . .	35,129	24,44,939
Uttar Pradesh . . . . .	1,08,266	57,65,406
SUB-TOTAL . . . . .	2,16,069	1,39,01,430
Gujarat . . . . .	43,958	31,64,300
Madhya Pradesh . . . . .	34,656	26,92,086
Maharashtra . . . . .	46,500(E)	47,19,562
SUB-TOTAL . . . . .	1,25,114	1,05,75,948
Bihar . . . . .	22,608	18,03,023
Orissa . . . . .	12,218	7,73,000(A)
West Bengal (R) . . . . .	16,714	7,99,681
SUB-TOTAL . . . . .	51,540	33,75,704
Andhra Pradesh . . . . .	37,527	25,85,845
Karnataka . . . . .	34,639	23,23,674
Kerala . . . . .	10,497	10,91,407
Tamil Nadu . . . . .	50,451	50,99,093
SUB-TOTAL . . . . .	1,33,114	11,00,019
Assam . . . . .	3,695	4,69,111
Meghalaya . . . . .	457	39,238
SUB-TOTAL . . . . .	4,152	5,08,349
TOTAL (ALL INDIA) . . . . .	5,29,989	3,94,61,450

Note :—

- (i) In certain cases capacity of step-up transformers in respect of generating sets added during the year have not been reported, as such, capacity of step-up transformers for these units have been estimated.
- (ii) 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.

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**SECTION VII**  
**UTILISATION**

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## UTILISATION

### I. Energy Consumption

Electricity consumption by various categories of consumers served by utilities during the year under review was 82367.18 Gwh registering an increase of 5.49% over the previous year.

As in the preceding year, the major portion of electricity viz. 72983.20 Gwh representing 88.61% of the total energy consumption was distributed by the Public sector and remaining 11.39% was distributed by the Private sector. Out of the 88.61% of energy distributed by the public sector, 78.51% was sold by the 18 State Electricity Boards and balance 10.10% was supplied by the Municipalities and Electricity Departments of States and Union Territories. Out of 11.39% of energy distributed by the private sector, the 3 major private licensees viz. Tata's Electric Companies, Calcutta Electric Supply Corporation and Ahmedabad Electricity Supply Co. distributed 2.99%, 3.33% and 1.95% of energy distributed by whole private sector 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 consumption	% Increase over 1979-80
1.	State Electricity Boards	64,661.94	78.51	7.62
2.	Electricity Departments	4,095.03	4.97	(—)4.90
3.	Municipalities (including DESU)	4,226.23	5.13	7.45
4.	Private Licensees (Including Co-Operatives)	9,383.98	11.39	(—)3.87
	<b>TOTAL</b>	<b>82,367.18</b>	<b>100.00</b>	<b>5.49</b>

As regards the energy consumed by various classes of consumers, the industrial category of consumers as usual consumed highest energy and was 58.36% of the total energy sold by public utilities as compared to 58.86% during 1979-80. The energy sales to industrial consumers registered increase of 4.6% over the previous year.

Agricultural consumers remained the second largest category amongst the consumers of electricity, consuming 17.59% of total energy sales as compared to 17.23% during the previous year. Percentage increase in consumption of energy by agricultural consumers being 7.71% as compared to previous year.

### II. Per Capita Consumption

The per capita consumption of electricity in the country was 132.34 Kwh during 1980-81 as compared to 130.49 Kwh, during 1979-80. Western region had the maximum per capita consumption of 190.25 Kwh followed by Southern, Northern, Eastern and North-Eastern Regions with figure of 138.56, 124.15, 96.39 and 29.63 respectively.

Among the States, Punjab with per capita of 303.62 kwh was at the top followed by Maharashtra, Gujarat and Haryana having per capita of 244.50, 238.77 and 209.52 Kwh respectively. However, Union Territory of Delhi had the highest per capita consumption of electricity of 403.82 Kwh in the country during the year followed by Chandigarh (308.99 Kwh).

### III. Electrical Accidents

While utilising the electricity, several accidents occurred at various electrical installations. During the year 1980-81 total number of electrical accidents reported were 5478 which comprised of 2032 fatal, 2149 non-fatal accidents of human; and 1293 fatal and 4 non-fatal accidents of animals. Corresponding figures for the year 1979-80 were 1943 fatal, 2337 non-fatal accidents to human and 1413 fatal and 11 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.

TABLE NO. 54  
*All India Energy Sales*  
 (UTILITIES ONLY)  
 During 1980-81

Category	Energy sold during 1980-81 (GWH)	Percentages to total sales	Energy sold during 1979-80 (GWH)	Percentage increase over 1979-80
Domestic . . . . .	9,246.43	11.23	8,402.23	10.05
Commercial . . . . .	4,681.84	5.68	4,656.58	0.54
Industrial Power . . . . .	48,069.35	58.36	45,955.48	4.60
Public Lighting . . . . .	748.42	0.91	711.62	5.17
Railways/Tramways . . . . .	2,265.91	2.75	2,301.15	(--) 1.33
Agriculture . . . . .	14,489.03	17.59	13,452.00	7.71
Public Water works & Sewage Pumping	1,534.36	1.86	1,407.76	8.99
Miscellaneous . . . . .	1,331.84	1.62	1,196.80	11.28
<b>TOTAL</b> . . . . .	<b>82,367.18</b>	<b>100.00</b>	<b>78,083.62</b>	<b>5.49</b>

TABLE NO. 55

*Energy Sales to Ultimate Consumers*  
(UTILITIES ONLY)

Ownershipwise-Regionwise/Statewise during the year 1980-81.

Region	State/U.Ts.	Total Energy sold (GWH)	Public Sector	
			State Electricity Boards (GWH)	% to total
<i>Northern Region</i>	Haryana . . . . .	2,555.89	2,555.89	100.00
	Himachal Pradesh . . . . .	278.80	264.73	94.95
	Jammu & Kashmir . . . . .	439.68	411.00	93.48
	Punjab . . . . .	4,997.49	4,065.57	81.35
	Rajasthan . . . . .	2,935.27	2,928.98	99.79
	Chandigarh . . . . .	170.05	..	..
	Uttar Pradesh . . . . .	7,845.60	7,809.02	99.53
	Delhi . . . . .	2,307.89	..	..
	SUB-TOTAL . . . . .	21,530.67	18,035.19	83.77
<i>Western Region</i>	Gujarat . . . . .	7,565.53	5,358.25	70.82
	Madhya Pradesh . . . . .	4,566.86	4,550.67	99.65
	Maharashtra . . . . .	14,037.41	8,336.13	59.39
	Goa, Daman and Diu . . . . .	252.79	..	..
	Dadra & Nagar Haveli . . . . .	5.74	..	..
		SUB-TOTAL . . . . .	26,428.33	18,245.05
<i>Eastern Region</i>	Bihar . . . . .	3,755.82	2,516.52	67.00
	Orissa . . . . .	2,480.02	2,477.11	99.88
	West Bengal . . . . .	5,677.84	1,766.29	31.11
	Andaman & Nicobar Islands . . . . .	7.82	..	..
	Sikkim . . . . .	11.50	..	..
		SUB-TOTAL . . . . .	11,933.00	6,759.92
<i>Southern Region</i>	Andhra Pradesh . . . . .	5,085.55	5,037.66	99.06
	Karnataka . . . . .	5,163.94	5,148.12	99.69
	Kerala . . . . .	2,755.81	2,717.14	98.60
	Tamil Nadu . . . . .	8,595.22	8,073.00	93.92
	Pondicherry . . . . .	152.07	..	..
	Lakshadweep . . . . .	1.07	..	..
		SUB-TOTAL . . . . .	21,753.66	20,975.92
<i>North-Eastern Region</i>	Assam . . . . .	605.21	605.21	100.00
	Manipur . . . . .	10.89	..	..
	Meghalaya . . . . .	40.65	40.65	100.00
	Nagaland . . . . .	23.55	..	..
	Tripura . . . . .	29.44	..	..
	Arunachal Pradesh . . . . .	9.08	..	..
	Mizoram . . . . .	2.70	..	..
		SUB-TOTAL . . . . .	721.52	645.86
	TOTAL (ALL INDIA) . . . . .	82,367.18	64,661.94	78.51

TABLE No. 55

State/U. Ts.	Public Sector			
	Municipalities		Govt. Deptts/Govt. Under taking/Corporation.	
	(GWH)	% to total	(GWH)	% to total
Haryana	..	..	..	..
Himachal Pradesh	..	..	..	..
Jammu & Kashmir	..	..	14.07	5.05
Punjab	..	..	21.38	4.86
Rajasthan	141.12	2.82	790.80	15.83
Uttar Pradesh	..	..	..	..
Chandigarh	..	..	..	..
Delhi	2,304.87	99.87	170.05	100.00
<b>SUB-TOTAL</b>	<b>2,445.99</b>	<b>11.36</b>	<b>999.32</b>	<b>4.64</b>
Gujarat	182.50	2.41	..	..
Madhya Pradesh	..	..	..	..
Maharashtra	1,414.67	10.08	174.24	1.24
Goa, Daman & Diu	..	..	252.79	100.00
Dadra & Nagar Haveli	..	..	5.74	100.00
<b>SUB-TOTAL</b>	<b>1,597.17</b>	<b>6.04</b>	<b>432.77</b>	<b>1.64</b>
Bihar	..	..	1,228.41	32.71
Orissa	..	..	..	..
West Bengal	..	..	..	..
A & N. Islands	..	..	830.74	14.63
Sikkim	..	..	7.82	100.00
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>2,078.47</b>	<b>17.42</b>
Andhra Pradesh	..	..	..	..
Karnataka	..	..	..	..
Kerala	24.19	0.88	..	..
Tamil Nadu	158.88	1.85	355.67	4.14
Pondicherry	..	..	152.07	100.00
Lakshadweep	..	..	1.07	100.00
<b>SUB-TOTAL</b>	<b>183.07</b>	<b>0.84</b>	<b>508.81</b>	<b>2.34</b>
Assam	..	..	..	..
Manipur	..	..	10.89	100.00
Meghalaya	..	..	..	..
Nagaland	..	..	23.55	100.00
Tripura	..	..	29.44	100.00
Arunachal Pradesh	..	..	9.08	100.00
Mizoram	..	..	2.70	100.00
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>75.66</b>	<b>10.49</b>
<b>TOTAL (ALL INDIA)</b>	<b>4,226.23</b>	<b>5.13</b>	<b>4,095.03</b>	<b>4.97</b>

TABLE No. 55

State/U.Ts.	Private Sector Companies	
	GWH	% to Total
Haryana	..	..
Himachal Pradesh	..	..
Jammu & Kashmir	7.30	1.66
Punjab	..	..
Rajasthan	6.29	0.21
Uttar Pradesh	36.58	0.47
Chandigarh	..	..
Delhi	..	..
<b>SUB-TOTAL</b>	<b>50.17</b>	<b>0.23</b>
Gujarat	2,024.78	26.77
Madhya Pradesh	16.19	0.35
Maharashtra	4,112.37	29.29
Goa, Daman & Diu	..	..
Dadra & Nagar Haveli	..	..
<b>SUB-TOTAL</b>	<b>6,153.34</b>	<b>23.28</b>
Bihar	10.89	0.29
Orissa	2.91	0.12
West Bengal	3,080.81	54.26
A. & N. Islands	..	..
Sikkim	..	..
<b>SUB-TOTAL</b>	<b>3,094.61</b>	<b>25.93</b>
Andhra Pradesh	47.89	0.94
Karnataka	15.82	0.31
Kerala	14.48	0.52
Tamil Nadu	7.67	0.09
Pondicherry	..	..
Lakshadweep	..	..
<b>SUB-TOTAL</b>	<b>85.86</b>	<b>0.39</b>
Assam	..	..
Manipur	..	..
Meghalaya	..	..
Nagaland	..	..
Tripura	..	..
Arunachal Pradesh	..	..
Mizoram	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>9,383.98</b>	<b>11.39</b>

TABLE NO. 56

*Energy Sales to Ultimate Consumers*  
(UTILITIES ONLY)

Categorywise—Regionwise/Statewise during the year 1980-81

		(GWH)		
Region	State/UTs	Total energy sold	Domestic	Commercial
<i>Northern Region</i>	Haryana	2,555.89	227.20	72.99
	Himachal Pradesh	278.80	62.37	32.63
	Jammu & Kashmir (E)	439.68	87.25	36.19
	Punjab	4,997.49	497.28	139.30
	Rajasthan	2,935.27	222.29	143.80
	Uttar Pradesh	7,845.60	798.34	49.93
	Chandigarh	170.05	53.94	28.77
	Delhi	2,307.89	765.12	570.00
	SUB-TOTAL	21,530.67	2,713.79	1,073.61
<i>Western Region</i>	Gujarat	7,565.53	674.56	284.31
	Madhya Pradesh	4,566.86	347.63	219.76
	Maharashtra	14,037.41	1,779.05	954.61
	Goa, Daman & Diu	252.79	30.42	11.92
	D. & N. Haveli	5.74	0.71	0.29
	SUB-TOTAL	26,428.33	2,832.37	1,470.89
<i>Eastern Region</i>	Bihar (S)	3,755.82	124.07	87.89
	Orissa	2,480.02	113.38	64.40
	West Bengal (S)	5,677.84	768.02	514.10
	A. & N Islands	7.82	2.60	3.25
	Sikkim	11.50	7.00	(D)
	SUB-TOTAL	11,933.00	1,015.07	669.64
<i>Southern Region</i>	Andhra Pradesh	5,085.55	549.64	512.15
	Karnataka	5,163.94	698.61	133.25
	Kerala	2,755.81	450.42	192.43
	Tamil Nadu	8,595.22	855.23	574.61
	Pondicherry	152.07	18.46	7.53
	Lakshadweep	1.07	0.75	0.24
	SUB-TOTAL	21,753.66	2,573.11	1,420.21
<i>North-Eastern Region</i>	Assam	605.21	67.00	30.00
	Manipur	10.89	7.95	0.63
	Meghalaya	40.65	11.02	6.89
	Nagaland	23.55	7.59	3.73
	Tripura	29.44	12.34	5.30
	Arunachal Pradesh	9.08	4.37	0.49
	Mizoram (E)	2.70	1.82	0.45
	SUB-TOTAL	721.52	112.09	47.49
TOTAL (ALL INDIA)		82,367.18	9,246.43	4,681.84

NOTE :—

S—Includes DVC's sales to ultimate consumers in Bihar and West Bengal.

(E)—Estimated.

(D)—Included in Domestic.

TABLE NO. 56—Contd.

State/U.Ts.	(GWH)			
	Industrial Power (Low & Medium Voltage)	Industrial Power (High Voltage)	Public lighting	Traction
Haryana	329.01	891.21	7.38	..
Himachal Pradesh	107.55	(A)	1.97	..
Jammu & Kashmir (E)	130.21	(A)	6.51	..
Punjab	318.42	2,037.00(B)	18.10	..
Rajasthan	295.87	999.81	19.60	..
Uttar Pradesh	829.28	2,792.55	34.74	354.58
Chandigarh	29.57	47.49	3.23	..
Delhi	288.00	563.00	52.70	..
<b>SUB-TOTAL</b>	<b>2,327.91</b>	<b>7331.06</b>	<b>144.23</b>	<b>354.58</b>
Gujarat	795.43	4,044.63	73.48	135.68
Madhya Pradesh	316.98	3,023.71	36.45	112.86
Maharashtra	1,240.05	6,892.23	159.46	766.45
Goa, Daman & Diu	12.21	163.07	2.48	..
D. & N. Haveli	0.89	3.37	0.12	..
<b>SUB-TOTAL</b>	<b>2,365.56</b>	<b>14,127.01</b>	<b>271.99</b>	<b>1,014.99</b>
Bihar	226.14	2,458.45	4.51	354.73
Orissa	85.44	2,009.81	9.08	65.63
West Bengal	384.01	3,221.28	47.51	410.98
A. & N. Islands	1.49	..	0.32	..
Sikkim	2.00	..	2.50	..
<b>SUB-TOTAL</b>	<b>699.08</b>	<b>7,689.54</b>	<b>63.92</b>	<b>831.34</b>
Andhra Pradesh	411.70	2,394.99	50.15	..
Karnataka	492.09	3,375.29	71.34	..
Kerala	223.31	1,710.79	43.96	..
Tamil Nadu	710.28	3,705.99	86.63	65.00
Pondicherry	11.25	63.29	4.85	..
Lakshadweep	0.04	..	0.04	..
<b>SUB-TOTAL</b>	<b>1,848.67</b>	<b>11,250.35</b>	<b>256.97</b>	<b>65.00</b>
Assam	160.71	245.00	7.50	..
Manipur	0.93	..	0.40	..
Meghalaya	4.76	11.31	0.15	..
Nagaland	0.95	..	1.10	..
Tripura	6.00	..	0.75	..
Arunachal Pradesh	0.46	0.05	1.06	..
Mizoram (E)	..	..	0.35	..
<b>SUB-TOTAL</b>	<b>173.81</b>	<b>256.36</b>	<b>11.31</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>7,415.03</b>	<b>40,654.32</b>	<b>748.42</b>	<b>2,265.91</b>

NOTE :-

(A) - Included in Industrial (Low &amp; Medium) Voltage.

(B) - Includes 741.06 GWH sales to Nangal fertilizers by BBMB.

(E) - Estimated.

TABLE NO. 56—Contd.

State/U.Ts.	(GWH)		
	Agriculture	Public Water works and sewage pumping	Miscellaneous
Haryana . . . . .	953.77	18.60	55.73
Himachal Pradesh . . . . .	5.77	(A)	68.51
Jammu & Kashmir (E) . . . . .	25.10	45.84	108.58
Punjab . . . . .	1,849.75	7.17(C)	130.47
Rajasthan . . . . .	1,009.11	149.66	95.12
Uttar Pradesh . . . . .	2,791.67	135.94	58.57
Chandigarh . . . . .	1.06	2.35	3.64
Delhi . . . . .	15.00	(F)	54.07
<b>SUB-TOTAL</b>	<b>6,651.23</b>	<b>359.56</b>	<b>574.70</b>
Gujarat . . . . .	1,333.99	188.80	34.65
Madhya Pradesh . . . . .	344.87	164.53	0.07
Maharashtra . . . . .	1,724.37	331.51	189.68
Goa, Daman & Diu . . . . .	2.87	20.36	9.46
D. & N. Haveli . . . . .	(G)	0.35	..
<b>SUB-TOTAL</b>	<b>3,406.10</b>	<b>705.56</b>	<b>233.86</b>
Bihar . . . . .	434.63	49.05	16.35
Orissa . . . . .	58.73	33.50	40.05
West Bengal . . . . .	72.37	165.33	94.24
A. & N. Islands . . . . .	..	0.09	0.07
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>565.73</b>	<b>247.97</b>	<b>150.71</b>
Andhra Pradesh . . . . .	977.13	74.27	115.52
Karnataka . . . . .	392.97	0.38	0.01
Kerala . . . . .	79.80	36.98	18.12
Tamil Nadu . . . . .	2,366.66	87.16	143.66
Pondicherry . . . . .	42.02	4.67	..
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>3,858.58</b>	<b>203.46</b>	<b>277.31</b>
Assam . . . . .	4.00	15.00	76.00
Manipur . . . . .	0.93	0.05	..
Meghalaya . . . . .	0.01	0.35	6.16
Nagaland . . . . .	..	0.24	9.94
Tripura . . . . .	2.45	2.02	0.58
Arunachal Pradesh . . . . .	..	0.09	2.56
Mizoram (E) . . . . .	..	0.06	0.02
<b>SUB-TOTAL</b>	<b>7.39</b>	<b>17.81</b>	<b>95.26</b>
<b>TOTAL (ALL-INDIA)</b>	<b>14,489.03</b>	<b>1,534.36</b>	<b>1,331.84</b>

## NOTE :—

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

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

(F)—Included in Industrial (H.V.)

(G)—Included in Public water works,



TABLE NO. 57

*Energy Sales by State Electricity Boards*  
Categorywise- Regionwise During 1980-81

		(GWH)		
Region	State/UTs	Total sold to ultimate consumers	Domestic	Commercial
<i>Northern Region</i>	Haryana . . . . .	2,555.89	227.20	72.99
	Himachal Pradesh . . . . .	264.74	62.37	32.63
	Jammu & Kashmir . . . . .	411.00	86.50	36.00
	Punjab . . . . .	4,065.57	447.48	119.63
	Rajasthan . . . . .	2,928.98	221.82	143.49
	Uttar Pradesh . . . . .	7,809.02	797.02	49.93
	SUB-TOTAL . . . . .	18,035.19	1,842.39	454.67
<i>Western Region</i>	Gujarat . . . . .	5,358.25	393.05	74.52
	Mhdhya Pradgsh . . . . .	4,550.67	345.32	218.72
	Maharashtra . . . . .	8,336.13	747.58	302.81
	SUB-TOTAL . . . . .	18,245.05	1,485.95	596.05
<i>Eastern Region</i>	Bihar (A) . . . . .	2,516.52	123.39	87.49
	Orissa . . . . .	2,477.11	112.07	64.03
	West Bengal (A) . . . . .	1,766.29	144.31	126.96
	SUB-TOTAL . . . . .	6,759.92	379.77	278.48
<i>Southern Region</i>	Andhra Pradesh . . . . .	5,037.66	545.90	510.92
	Karnataka . . . . .	5,148.12	696.34	132.71
	Kerala . . . . .	2,717.14	442.98	184.94
	Tamil Nadu . . . . .	8,073.00	793.00	523.00
	SUB-TOTAL . . . . .	20,975.92	2,478.22	1,351.57
<i>North Eastern Region</i>	Assam . . . . .	605.21	67.00	30.00
	Meghalaya . . . . .	40.65	11.02	6.89
	SUB-TOTAL . . . . .	645.86	78.02	36.89
	TOTAL (ALL-INDIA) . . . . .	64,661.94	6,264.35	2,717.66

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

TABLE NO. 57—Contd.

Name of the State Electricity Board	(GWH)		
	Industrial (low & medium Voltage)	Industrial (High Voltage)	Public Lighting
Haryana . . . . .	329.01	891.21	7.38
Himachal Pradesh . . . . .	107.55	(B)	1.97
Jammu & Kashmir . . . . .	129.00	(B)	6.50
Punjab . . . . .	264.93	1,290.08	14.73
Rajasthan . . . . .	294.74	999.81	19.54
Uttar Pradesh . . . . .	813.12	2,792.55	34.69
SUB-TOTAL . . . . .	1938.35	5,973.65	84.81
Gujarat . . . . .	480.53	2,849.03	48.07
Madhya Pradesh . . . . .	313.88	3,023.71	35.98
Maharashtra . . . . .	675.90	4,196.77	98.22
SUB-TOTAL . . . . .	1,470.31	10,069.51	182.27
Bihar . . . . .	224.60	1,390.13	4.50
Orissa . . . . .	84.49	2,009.81	9.03
West Bengal . . . . .	142.32	903.96	10.10
SUB-TOTAL . . . . .	451.41	4,303.90	23.63
Andhra Pradesh . . . . .	405.57	2,394.99	49.50
Karnataka . . . . .	489.38	3,374.34	70.99
Kerala . . . . .	208.21	1,704.69	41.69
Tamil Nadu . . . . .	681.00	3,339.00	80.00
SUB-TOTAL . . . . .	1,784.16	10,813.02	242.18
Assam . . . . .	160.71(C)	245.00	7.50
Meghalaya . . . . .	4.76	11.31	0.15
SUB-TOTAL . . . . .	165.47	256.31	7.65
TOTAL (ALL INDIA) . . . . .	5,809.70	31,416.39	540.54

NOTE :- (B)- Included in Industrial (low & medium) voltage.  
(C)- Includes 99.71 GWH sales to tea gardens.

TABLE No. 57—Contd.

Name of the State	Electricity Board	Traction	Agriculture	Public Water Works	Miscellaneous
Haryana		..	953.77	18.60	55.73
Himachal Pradesh		..	5.77	(B)	54.44
Jammu & Kashmir		..	24.00	42.00	87.00
Punjab		..	1,849.61	(D)	79.11
Rajasthan		..	1,004.95	149.50	95.13
Uttar Pradesh		354.58	2,772.62	135.94	58.57
SUB-TOTAL		354.58	6,710.72	346.04	429.98
Gujarat		135.68	1,298.41	78.96	..
Madhya Pradesh		112.86	335.79	164.41	..
Maharashtra		216.21	1,618.00	292.09	188.55
SUB-TOTAL		464.75	3,252.20	535.46	188.55
Bihar		207.73	429.63	49.05	..
Orissa		65.63	58.50	33.50	40.05
West Bengal		302.58	72.33	22.57	41.16
SUB-TOTAL		575.94	560.46	105.12	81.21
Andhra Pradesh		..	941.05	74.27	115.46
Karnataka		..	384.36	(B)	..
Kerala		..	79.71	36.80	18.12
Tamil Nadu		65.00	2,365.00	85.00	142.00
SUB-TOTAL		65.00	3,770.12	196.07	275.58
Assam		..	4.00	15.00	76.00
Meghalaya		..	0.01	0.35	6.16
SUB-TOTAL		..	4.01	15.35	82.16
TOTAL (ALL INDIA)		1,460.27	14,197.51	1,198.04	1,057.48

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. 58  
*Energy Sales by Private Licensees*  
 Categorywise-Regionwise/Statewise during 1980-81

(GWH)

Region	State/UTs.	Total sold to ultimate consumers	Domestic	Commercial
<i>Northern Region</i>	Jammu & Kashmir	7.30	0.75	0.19
	Rajasthan	6.29	0.47	0.31
	Uttar Pradesh	36.58	1.32	..
	<b>SUB-TOTAL</b>	<b>50.17</b>	<b>2.54</b>	<b>0.50</b>
<i>Western Region</i>	Gujarat	2,024.18	220.93	207.62
	Madhya Pradesh	16.19	2.31	1.04
	Maharashtra	4,112.37	517.04	174.81
	<b>SUB-TOTAL</b>	<b>6,153.34</b>	<b>740.28</b>	<b>383.47</b>
<i>Eastern Region</i>	Bihar	10.89	0.68	0.37
	Orissa	2.91	1.31	0.37
	West Bengal	3,080.81	597.31	385.78
	<b>SUB-TOTAL</b>	<b>3,094.61</b>	<b>599.30</b>	<b>386.52</b>
<i>Southern Region</i>	Andhra Pradesh	47.89	3.74	1.23
	Karnataka	15.82	2.27	0.54
	Kerala	14.48	1.34	1.19
	Tamil Nadu	7.67	2.98	0.84
	<b>SUB-TOTAL</b>	<b>85.86</b>	<b>10.33</b>	<b>3.80</b>
<b>TOTAL (ALL INDIA)</b>		<b>9,383.98</b>	<b>1,352.45</b>	<b>774.29</b>

TABLE NO. 58—Contd.

State/U.Ts.	Industrial Power (Low & medium Voltage)	Industrial Power (high Voltage)	Public lighting	Traction
Jammu & Kashmir	1.21	..	0.01	..
Rajasthan	1.13	..	0.06	..
Uttar Pradesh	16.16	(C)	0.05	..
<b>SUB-TOTAL</b>	<b>18.50</b>	<b>..</b>	<b>0.12</b>	<b>..</b>
Gujarat	293.09	1,119.74	21.01	..
Madhya Pradesh	3.10	..	0.47	..
Maharashtra	358.06	2,535.14	33.57	376.00
<b>SUB-TOTAL</b>	<b>654.25</b>	<b>3,654.88</b>	<b>55.05</b>	<b>376.00</b>
Bihar	1.54	3.29	0.01	..
Orissa	0.95	..	0.05	..
West Bengal	240.21	1,608.12	37.00	27.00
<b>SUB-TOTAL</b>	<b>242.70</b>	<b>1,611.41</b>	<b>37.06</b>	<b>27.00</b>
Andhra Pradesh	6.13	..	0.65	..
Karnataka	2.71	0.95	0.35	..
Kerala	11.50	(C)	0.27	..
Tamil Nadu	1.79	..	0.56	..
<b>SUB-TOTAL</b>	<b>22.13</b>	<b>0.95</b>	<b>1.83</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>937.58</b>	<b>5,267.24</b>	<b>94.06</b>	<b>403.00</b>

(C)—Included in industrial Low and Medium Voltage.

TABLE NO. 58—Contd.

State/ U. Ts.	Agricultural	Public Water Works & Sewage pumping	Miscellaneous
Jammu & Kashmir	1.10	3.84	0.20
Rajasthan	4.16	0.16	..
Uttar Pradesh	19.05	..	..
<b>SUB-TOTAL</b>	<b>24.31</b>	<b>4.00</b>	<b>0.20</b>
Gujarat	29.82	98.00	34.57
Madhya Pradesh	9.08	0.12	0.07
Maharashtra	105.21	11.47	1.07
<b>SUB-TOTAL</b>	<b>144.11</b>	<b>109.59</b>	<b>35.71</b>
Bihar	5.00	..	..
Orissa	0.23	..	..
West Bengal	0.04	132.53	52.82
<b>SUB-TOTAL</b>	<b>5.27</b>	<b>132.53</b>	<b>52.82</b>
Andhra Pradesh	36.08	..	0.06
Karnataka	8.61	0.38	0.01
Kerala	..	0.18	..
Tamil Nadu	0.99	..	0.51
<b>SUB-TOTAL</b>	<b>45.68</b>	<b>0.56</b>	<b>0.58</b>
<b>TOTAL (ALL INDIA)</b>	<b>219.37</b>	<b>246.68</b>	<b>89.31</b>

TABLE NO. 59

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

Categorywise/Regionwise/Statewise during 1980—81

Region	State/U.Ts.	Total Energy sold	Domestic	Commercial
<i>I. Municipalities :</i>				
<i>Northern Region</i>	Punjab	141.12	49.80	19.67
	D.E.S.U.	1,936.07	695.00	456.00
	N.D.M.C.	368.80	67.10	112.00
<i>Western Region</i>	Gujarat	182.50	60.58	2.17
	Maharashtra	1414.67	514.43	476.99
<i>Southern Region</i>	Kerala	24.19	6.10	6.30
	Tamil Nadu	158.88	59.25	50.77
<i>II. Government Department/Central Sector Undertakings/Corporation.</i>				
<i>Northern Region</i>	Punjab (BBMB)	790.80	..	..
	H. P. (Baira siul)	14.07	..	..
	J. & K. (Sala)	21.38	..	..
	Chandigarh	170.05	53.94	28.77
	Central Sector (Badarpur T.P.S.)	3.02	3.02	..
<i>Western Region</i>	Maharashtra (Chola)	174.24	..	..
	D. & N. Haveli	5.74	0.71	0.29
	Goa, Daman & Diu	252.79	30.42	11.92
<i>Eastern Region</i>	D. V. C. (in Bihar)	1,228.41	..	0.03
	D.V.C. (in W.B.)	584.23	..	0.05
	Sikkim	11.50	7.00	(A)
	West Bengal (D.P.L.)	246.51	26.40	1.31
	A. & N. Islands	7.82	2.60	3.25
<i>Southern Region</i>	Lakshadweep	1.07	0.75	0.24
	Pondicherry	152.07	18.46	7.53
	Central Sector (Neyveli)	355.67	..	..
<i>North-Eastern Region</i>	Manipur	10.89	7.95	0.63
	Nagaland	23.55	7.59	3.73
	Tripura	29.44	12.34	5.30
	Arunachal Pradesh	9.08	4.37	0.49
	Mizoram (E)	2.70	1.82	0.45
<b>TOTAL (I+II)</b>		<b>8,321.26</b>	<b>1,629.63</b>	<b>11,89.89</b>

TABLE 59—Contd.

Ownership	State/ U.Ts.	Industrial Power (low & medium Voltage)	Industrial Power (high Voltage)	Public lighting	Traction	
<i>I. Municipalities</i>	Punjab . . . . .	53.49	5.86	3.37	..	
	D.E.S.U. . . . .	247.00	422.00	45.00	..	
	N.D.M.C. . . . .	41.00	141.00	7.70	..	
	Gujarat . . . . .	21.81	75.86	4.40	..	
	Maharashtra . . . . .	266.09	160.32	27.67	..	
	Kerala . . . . .	3.60	6.10	2.00	..	
	Tamil Nadu . . . . .	27.49	11.32	6.07	..	
	<i>II. Government Department/Undertakings</i>					
	Punjab (BBMB) . . . . .	..	741.06	..	..	
	H. P. (Baira siul). . . . .	..	..	..	..	
J. & K. (Sala) . . . . .	..	..	..	..		
Chandigarh . . . . .	29.57	47.49	3.23	..		
Central Sector (Badarpur T.P.S.) . . . . .	..	..	..	..		
Maharashtra (Chola) . . . . .	..	..	..	174.24		
D. & N. Haveli . . . . .	0.89	3.37	0.12	..		
Goa, Daman & Diu . . . . .	12.21	163.07	2.48	..		
D.V.C. (in Bihar) . . . . .	..	1,065.03	..	147.00		
D.V.C. (in W.B.) . . . . .	..	502.78	..	81.40		
Sikkim . . . . .	2.00	..	2.50	..		
D.P.L. (W.B.) . . . . .	1.48	206.42	0.41	..		
A. & N Islands . . . . .	1.49	..	0.32	..		
Lakshadweep . . . . .	0.04	..	0.04	..		
Pondicherry . . . . .	11.25	63.29	4.85	..		
Central Sector (Neyveli) . . . . .	..	355.67	..	..		
Manipur . . . . .	0.93	..	0.40	..		
Nagaland . . . . .	0.95	..	1.10	..		
Tripura . . . . .	6.00	..	0.75	..		
Arunachal Pradesh . . . . .	0.46	0.05	1.06	..		
Mizoram . . . . .	..	..	0.35	..		
<b>TOTAL (I+II)</b> . . . . .		667.75	3,970.69	113.82	402.64	

TABLE NO. 59—Contd.

State/UTS.	Agricultural	Public Water Works and Sewage pumping	Miscellaneous
<i>I. Municipalities</i>			
Punjab . . . . .	0.14	7.17	1.62
D.E.S.U. . . . .	15.00	(D)	54.07
N. D. M. C. . . . .	..	..	..
Gujarat . . . . .	5.76	11.84	0.08
Maharashtra . . . . .	1.16	27.95	0.06
Kerala . . . . .	0.09	..	..
Tamil Nadu . . . . .	0.67	2.16	1.15
<i>II. Government Department/Undertaking</i>			
B. B. M. B. in Punjab . . . . .	..	..	49.74
H. P. (Baira-Siul) . . . . .	..	..	14.07
J. & K. (Salal H. E. P.) . . . . .	..	..	21.38
Chandigarh . . . . .	1.06	2.35	3.64
Central Sector (B.T. P. S.) . . . . .	..	..	..
Maharashtra (Chola) . . . . .	..	..	..
D. & N. Haveli . . . . .	(F)	0.36	..
Goa, Daman & Diu . . . . .	2.87	20.36	9.46
D. V. C. (in Bihar) . . . . .	..	..	16.35
D. V. C. (in West Bengal) . . . . .	..	..	..
Sikkim . . . . .	..	..	..
West Bengal (D. P. L.) . . . . .	..	10.23	0.26
A. & N. Islands . . . . .	..	0.09	0.07
Lakshadweep . . . . .	..	..	..
Pondicherry . . . . .	42.02	4.67	..
Central Sector (Neyveli) . . . . .	..	..	..
Manipur . . . . .	0.93	0.05	..
Nagaland . . . . .	..	0.24	9.94
Tripura . . . . .	2.45	2.02	0.58
Arunachal Pradesh . . . . .	..	0.09	2.56
Mizoram . . . . .	..	0.06	0.02
<b>TOTAL (I + II) . . . . .</b>	<b>72.15</b>	<b>89.64</b>	<b>185.05</b>

(A) Included in Domestic category.

(C) Included in Industrial low and medium voltage category.

(E) Estimated..

(R) Repeated due to non-availability of data.

(F) Included in public water works.

(D) Included in Industrial high voltage.



TABLE No. 60

Pattern of Energy Sales (Categorywise) Regionwise/Statewise During 1980-81

Region	State/U.Ts.	Total Sales (GWH)	Percentage to total sales	
			Domestic	Commercial
Northern Region	Haryana	2,555.89	8.89	2.85
	Himachal Pradesh	278.80	22.37	11.70
	Jammu & Kashmir	439.68	19.84	8.23
	Punjab	4,997.49	9.95	2.79
	Rajasthan	2,935.27	7.57	4.90
	Uttar Pradesh	7845.60	10.18	0.64
	Chandigarh	170.05	31.72	16.92
	Delhi	2,307.89	33.15	24.70
	<b>SUB-TOTAL</b>	<b>21,530.67</b>	<b>12.60</b>	<b>4.99</b>
Western Region	Gujarat	7,565.53	8.92	3.76
	Madhya Pradesh	4,566.86	7.61	4.81
	Maharashtra	14,037.41	12.67	6.80
	Goa, Daman & Diu	252.79	12.03	4.72
	D & N. Haveli	5.74	12.37	5.05
		<b>SUB-TOTAL</b>	<b>26,428.33</b>	<b>10.72</b>
Eastern Region	Bihar	3,755.82	3.30	2.34
	Orissa	2,480.02	4.57	2.60
	West Bengal	5,677.84	13.53	9.06
	A. & N. Islands	7.82	33.25	41.56
	Sikkim	11.50	60.87	..
		<b>SUB-TOTAL</b>	<b>11,933.00</b>	<b>8.51</b>
Southern Region	Andhra Pradesh	5,085.55	10.81	10.07
	Karnataka	5,163.94	13.52	2.58
	Kerala	2,755.81	16.34	6.98
	Tamil Nadu	8,595.22	9.95	6.69
	Pondicherry	152.07	12.14	4.95
	Lakshadweep	1.07	70.09	22.43
	<b>SUB-TOTAL</b>	<b>21,753.66</b>	<b>11.83</b>	<b>6.53</b>
North Eastern Region	Assam	605.21	11.07	4.96
	Manipur	10.89	73.00	5.79
	Meghalaya	40.65	27.11	16.95
	Nagaland	23.55	32.23	15.84
	Tripura	29.44	41.92	18.00
	Arunachal Pradesh	9.08	48.13	5.40
	Mizoram	2.70	67.41	16.67
		<b>SUB-TOTAL</b>	<b>721.52</b>	<b>15.54</b>
	<b>TOTAL (ALL INDIA)</b>	<b>82,367.18</b>	<b>11.23</b>	<b>5.68</b>

TABLE NO. 60—Contd.

State/U.Ts.	Percentage to total sales		
	Industrial Power	Public Lighting	Traction
Haryana . . . . .	47.74	0.29	..
Himachal Pradesh . . . . .	38.58	0.71	..
Jammu & Kashmir . . . . .	29.62	1.48	..
Punjab . . . . .	47.13	0.36	..
Rajasthan . . . . .	44.14	0.67	..
Uttar Pradesh . . . . .	46.16	0.44	4.52
Chandigarh . . . . .	45.32	1.90	..
Delhi . . . . .	36.87	2.28	..
<b>SUB-TOTAL</b> . . . . .	<b>44.86</b>	<b>0.67</b>	<b>1.65</b>
Gujarat . . . . .	63.97	0.97	1.79
Madhya Pradesh . . . . .	73.15	0.80	2.47
Maharashtra . . . . .	57.93	1.14	5.46
Goa, Daman & Diu . . . . .	69.34	0.98	..
D. & N. Haveli . . . . .	74.22	2.09	..
<b>SUB-TOTAL</b> . . . . .	<b>62.40</b>	<b>1.03</b>	<b>3.84</b>
Bihar . . . . .	71.48	0.12	9.44
Orissa . . . . .	84.48	0.37	2.65
West Bengal . . . . .	63.49	0.84	7.24
A. & N. Islands . . . . .	19.05	4.09	..
Sikkim . . . . .	17.39	21.74	..
<b>SUB-TOTAL</b> . . . . .	<b>70.29</b>	<b>0.54</b>	<b>6.97</b>
Andhra Pradesh . . . . .	55.19	0.99	..
Karnataka . . . . .	74.90	1.38	..
Kerala . . . . .	70.18	1.60	..
Tamil Nadu . . . . .	51.38	1.01	0.76
Podicherry . . . . .	49.02	3.19	..
Lakshadweep . . . . .	3.74	3.74	..
<b>SUB-TOTAL</b> . . . . .	<b>60.21</b>	<b>1.18</b>	<b>0.30</b>
Assam . . . . .	67.03	1.24	..
Manipur . . . . .	8.54	3.67	..
Meghalaya . . . . .	39.54	0.37	..
Nagaland . . . . .	4.03	4.67	..
Tripura . . . . .	20.38	2.55	..
Arunachal Pradesh . . . . .	5.62	11.67	..
Mizoram . . . . .	..	12.96	..
<b>SUB-TOTAL</b> . . . . .	<b>59.62</b>	<b>1.57</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>58.36</b>	<b>0.91</b>	<b>2.75</b>

TABLE No. 60—Contd.

State/U.Ts.	Percentage to total sales		
	Agriculture	Public Water Works	Miscellaneous
Haryana . . . . .	37.32	0.73	2.18
Himachal Pradesh . . . . .	2.07	..	24.57
Jammu & Kashmir . . . . .	5.71	10.42	24.70
Punjab . . . . .	37.02	0.14	2.61
Rajasthan . . . . .	34.38	5.10	3.24
Uttar Pradesh . . . . .	35.58	1.73	0.74
Chandigarh . . . . .	0.62	1.38	2.14
Delhi . . . . .	0.65	..	2.35
<b>SUB-TOTAL</b> . . . . .	<b>30.89</b>	<b>1.67</b>	<b>2.67</b>
Gujarat . . . . .	17.63	2.50	0.46
Madhya Pradesh . . . . .	7.55	3.61	Neg.
Maharashtra . . . . .	12.28	2.36	1.36
Goa, Daman & Diu . . . . .	1.14	8.05	3.74
D. & N. Haveli . . . . .	..	6.27	..
<b>SUB-TOTAL</b> . . . . .	<b>12.89</b>	<b>2.67</b>	<b>0.88</b>
Bihar . . . . .	11.57	1.31	0.44
Orissa . . . . .	2.37	1.35	1.61
West Bengal . . . . .	1.27	2.91	1.66
A. & N. Islands . . . . .	..	1.15	0.90
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>4.74</b>	<b>2.68</b>	<b>1.26</b>
Andhra Pradesh . . . . .	19.21	1.46	2.27
Karnataka . . . . .	7.61	0.01	Neg.
Kerala . . . . .	2.90	1.34	0.66
Tamil Nadu . . . . .	27.53	1.01	1.67
Pondicherry . . . . .	27.63	3.07	..
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>17.74</b>	<b>0.94</b>	<b>1.27</b>
Assam . . . . .	0.66	2.48	12.56
Manipur . . . . .	8.54	0.46	..
Meghalaya . . . . .	0.02	0.86	15.15
Nagaland . . . . .	..	1.02	42.21
Tripura . . . . .	8.32	6.86	1.97
Arunachal Pradesh . . . . .	..	0.99	28.19
Mizoram . . . . .	..	2.22	0.74
<b>SUB-TOTAL</b> . . . . .	<b>1.02</b>	<b>2.47</b>	<b>13.20</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>17.59</b>	<b>1.86</b>	<b>1.62</b>

TABLE NO. 61

*Annual per Capita Consumption of Electricity*  
(UTILITIES, NON-UTILITIES)  
Categorywise-Regionwise/Statewise during 1980—81

(KWH)

Region	State/U. Ts.	Utilities		
		Population* (Million)	Domestic	Commercial
<i>Northern Region</i>	Haryana	12.73	17.85	5.73
	Himachal Pradesh	4.20	14.85	7.70
	Jammu & Kashmir	5.88	14.84	6.15
	Punjab	16.52	30.10	8.43
	Rajasthan	33.68	6.60	4.27
	Uttar Pradesh	109.71	7.28	0.46
	Chandigarh	0.438	123.15	65.68
	Delhi	6.09	125.65	93.60
	<b>SUB-TOTAL</b>	<b>189.248</b>	<b>14.34</b>	<b>5.67</b>
<i>Western Region</i>	Gujarat	33.64	20.05	8.45
	Madhya Pradesh	51.71	6.72	4.25
	Maharashtra	62.20	28.60	15.35
	Goa, Daman & Diu	1.077	28.24	11.07
	D. & N. Haveli	0.102	6.96	2.84
	<b>SUB-TOTAL</b>	<b>148.729</b>	<b>19.04</b>	<b>9.89</b>
<i>Eastern Region</i>	Bihar	69.16	1.79	1.27
	Orissa	26.12	4.34	2.47
	West Bengal	54.03	14.21	9.51
	A. & N. Islands	0.185	14.05	17.57
	Sikkim	0.309	22.65	..
	<b>SUB-TOTAL</b>	<b>149.804</b>	<b>6.78</b>	<b>4.47</b>
<i>Southern Region</i>	Andhra Pradesh	53.12	10.35	9.64
	Karnataka	36.67	19.05	3.63
	Kerala	25.26	17.83	7.62
	Tamil Nadu	48.08	17.79	11.95
	Pondicherry	0.599	30.82	12.57
	Lakshadweep	0.04	18.75	6.00
	<b>SUB-TOTAL</b>	<b>163.769</b>	<b>15.71</b>	<b>8.67</b>
<i>North Eastern Region</i>	Assam	19.64	3.41	1.53
	Manipur	1.40	5.68	0.45
	Meghalaya	1.31	8.41	5.26
	Nagaland	0.757	10.03	4.93
	Tripura	2.02	6.11	2.62
	Arunachal Pradesh	0.62	7.05	0.79
	Mizoram	0.48	3.79	0.94
	<b>SUB-TOTAL</b>	<b>26.227</b>	<b>4.27</b>	<b>1.81</b>
	<b>TOTAL (ALL INDIA)</b>	<b>677.82@</b>	<b>13.64</b>	<b>6.91</b>

\*Figures of population as on 1st Oct. 1980 (mid-financial year) are based on mid-year estimates (1971 census).

@Total may not tally due to rounding off.

TABLE NO. 61—Contd.

(In K H)

State/UTs.	Utilities		
	Industrial Public Water works, Traction & Miscellaneous	Public Lighting	Agriculture
Haryana . . . . .	102.06	0.11	74.92
Himachal Pradesh . . . . .	41.99	0.47	1.37
Jammu & Kashmir . . . . .	48.41	1.11	4.27
Punjab . . . . .	150.91	1.10	111.97
Rajasthan . . . . .	45.74	0.58	29.96
Uttar Pradesh . . . . .	38.00	0.32	25.45
Chandigarh . . . . .	189.62	7.37	2.42
Delhi . . . . .	148.60	8.65	2.46
<b>SUB-TOTAL</b> . . . . .	<b>57.85</b>	<b>0.76</b>	<b>35.15</b>
Gujarat . . . . .	154.57	2.18	39.65
Madhya Pradesh . . . . .	69.98	0.70	6.67
Maharashtra . . . . .	149.38	2.65	27.72
Goa, Daman & Diu . . . . .	190.45	2.30	2.66
D. & N. Haveli . . . . .	45.29	1.18	..
<b>SUB-TOTAL</b> . . . . .	<b>124.03</b>	<b>1.83</b>	<b>22.90</b>
Bihar . . . . .	44.90	0.07	6.28
Orissa . . . . .	85.54	0.35	2.25
West Bengal . . . . .	79.15	0.88	1.34
A. & N. Islands . . . . .	8.92	1.73	..
Sikkim . . . . .	6.48	8.09	..
<b>SUB-TOTAL</b> . . . . .	<b>64.20</b>	<b>0.43</b>	<b>3.78</b>
Andhra Pradesh . . . . .	56.42	0.94	18.39
Karnataka . . . . .	105.48	1.94	10.72
Kerala . . . . .	78.75	1.74	3.16
Tamil Nadu . . . . .	98.01	1.80	49.22
Pondicherry . . . . .	132.23	8.10	70.15
Lakshadweep . . . . .	1.00	1.00	..
<b>SUB-TOTAL</b> . . . . .	<b>83.32</b>	<b>1.57</b>	<b>23.56</b>
Assam . . . . .	25.30	0.38	0.20
Manipur . . . . .	0.70	0.29	0.66
Meghalaya . . . . .	17.24	0.11	0.01
Nagaland . . . . .	14.70	1.45	..
Tripura . . . . .	4.16	0.37	1.21
Arunachal Pradesh . . . . .	5.10	1.71	..
Mizoram . . . . .	0.17	0.73	..
<b>SUB-TOTAL</b> . . . . .	<b>20.72</b>	<b>0.43</b>	<b>0.28</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>78.49</b>	<b>1.10</b>	<b>21.38</b>

TABLE NO. 61—Contd.

(In KWH)

State/UTs.	Total Utilities	KWH from generation of utilities.	self of non-utilities	Total Utilities non-utilities
Haryana . . . . .	200.78	8.74		209.52
Himachal Pradesh . . . . .	66.38	0.02		66.40
Jammu & Kashmir . . . . .	74.78	0.01		74.79
Punjab . . . . .	302.51	1.11		303.62
Rajasthan . . . . .	87.15	12.23		99.38
Uttar Pradesh . . . . .	71.51	11.59		83.10
Chandigarh . . . . .	388.24	0.75		308.99
Delhi . . . . .	378.96	24.86		403.82
<b>SUB-TOTAL</b> . . . . .	<b>113.77</b>	<b>10.38</b>		<b>124.15</b>
Gujarat . . . . .	224.90	13.87		238.77
Madhya Pradesh . . . . .	88.32	12.00		100.32
Maharashtra . . . . .	225.68	11.82		244.50
Goa, Daman & Diu . . . . .	234.72	41.67		276.39
D. & N. Haveli . . . . .	56.27	..		56.27
<b>SUB-TOTAL</b> . . . . .	<b>177.69</b>	<b>12.56</b>		<b>190.25</b>
Bihar . . . . .	54.31	19.76		74.07
Orissa . . . . .	94.95	19.06		114.01
West Bengal . . . . .	105.09	11.89		116.98
A. & N. Islands . . . . .	42.27	..		42.27
Sikkim . . . . .	37.22	..		37.22
<b>SUB-TOTAL</b> . . . . .	<b>79.66</b>	<b>16.73</b>		<b>96.39</b>
Andhra Pradesh . . . . .	95.74	6.01		101.75
Karnataka . . . . .	140.82	5.18		146.00
Kerala . . . . .	109.10	2.94		112.04
Tamil Nadu . . . . .	178.77	7.25		186.02
Pondicherry . . . . .	253.87	9.83		263.70
Lakshadweep . . . . .	26.75	..		26.75
<b>SUB-TOTAL</b> . . . . .	<b>132.83</b>	<b>5.73</b>		<b>138.56</b>
Assam . . . . .	30.82	2.72		33.54
Manipur . . . . .	7.78	..		7.78
Meghalaya . . . . .	31.03	..		31.03
Nagaland . . . . .	31.11	3.04		34.15
Tripura . . . . .	14.47	..		14.47
Arunachal Pradesh . . . . .	14.65	..		14.65
Mizoram . . . . .	5.63	..		5.63
<b>SUB-TOTAL</b> . . . . .	<b>27.51</b>	<b>2.12</b>		<b>29.63</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>121.52</b>	<b>10.82</b>		<b>132.34</b>

TABLE NO. 62

*Energy Consumption per Square Kilometer and per thousand Population*  
(UTILITIES ONLY)  
Regionwise/Statewise during 1980-81

Region	State/ U.Ts.	Population (Million)	Area in 1000 sq. Kilometre §	Total Energy consumption (GWH)
<i>Northern Region</i>	Haryana	12.73	44.22	2,555.89
	Himachal Pradesh	4.20	55.67	278.80
	Jammu & Kashmir	5.88	222.24	439.68
	Punjab	16.52	50.36	4,997.49
	Rajasthan	33.68	342.21	2,935.27
	Uttar Pradesh	109.71	294.41	7,845.60
	Chardigarh	0.438	0.11	170.05
	Delhi	6.09	1.48	2,307.89
	<b>SUB-TOTAL</b>	<b>189.248</b>	<b>1,010.70</b>	<b>21,530.67</b>
<i>Western Region</i>	Gujarat	33.64	195.98	7,565.53
	Madhya Pradesh	51.71	442.84	4,566.86
	Maharashtra	62.20	307.76	14,037.41
	Goa, Daman & Diu	1.077	3.81	252.79
	D. & N. Haveli	0.102	0.49	5.74
		<b>SUB-TOTAL</b>	<b>148.729</b>	<b>950.88</b>
<i>Eastern Region</i>	Bihar	69.16	173.88	3,755.82£
	Orissa	26.12	155.78	2,480.02
	West Bengal	54.03	87.86	5,677.84£
	A. & N. Islands	0.185	8.29	7.82
	Sikkim	0.309	7.30	11.50
		<b>SUB-TOTAL</b>	<b>149.804</b>	<b>433.11</b>
<i>Southern Region</i>	Andhra Pradesh	53.12	276.81	5,085.55
	Karnataka	36.67	191.77	5,163.94
	Kerala	25.26	38.86	2,755.81
	Tamil Nadu	48.08	130.07	8,595.22
	Pondicherry	0.599	0.48	152.07
	Lakshadweep	0.04	0.03	1.07
		<b>SUB-TOTAL</b>	<b>163.769</b>	<b>638.02</b>
<i>North Eastern Region</i>	Assam	19.64	78.52	605.21
	Manipur	1.40	22.36	10.89
	Meghalaya	1.31	22.49	40.65
	Nagaland	0.757	16.53	23.55
	Tripura	2.02	10.48	29.44
	Arunachal Pradesh	0.62	83.58	9.68
	Mizoram	0.48	21.09	2.70
		<b>SUB-TOTAL</b>	<b>26.227</b>	<b>255.05</b>
	<b>TOTAL (ALL INDIA)</b>	<b>677.82(E)</b>	<b>3,287.78@</b>	<b>82,367.18</b>

NOTE :

§—Source for area figures is statistical abstract India 1977 published by Central Statistical Organisation.

£—Includes consumption by ultimate consumers of D.V.C. in Valley area of Bihar &amp; West Bengal respectively.

@—Total may not tally due to rounding off.

(E)—The aggregate over the states/UTs will not exactly tally with India which has been estimated direct source-office of the Registrar General of India.

TABLE No. 62—Contd.

State/UTs.	Energy consumed per thousand of population. (Kwh)	Energy Consumed per square Kilo-metre (kwh)
Haryana . . . . .	2,00,777	57,799
Himachal Pradesh . . . . .	66,381	5,008
Jammu & Kashmir . . . . .	74,776	1,978
Punjab . . . . .	3,02,512	99,235
Rajasthan . . . . .	87,152	8,577
Uttar Pradesh . . . . .	71,512	26,649
Chandigarh . . . . .	3,88,242	15,45,909
Delhi . . . . .	3,78,964	15,59,385
<b>SUB-TOTAL</b>	<b>1,13,770</b>	<b>21,303</b>
Gujarat . . . . .	2,24,897	38,604
Madhya Pradesh . . . . .	88,317	10,313
Maharashtra . . . . .	2,25,682	45,612
Goa, Daman & Diu . . . . .	2,34,717	66,3 9
D. and N. Haveli . . . . .	56,275	11,714
<b>SUB-TOTAL</b>	<b>1,77,695</b>	<b>27,794</b>
Bihar . . . . .	54,306	21,600
Orissa . . . . .	94,947	15,920
West Bengal . . . . .	1,05,087	64,627
A. & N. Islands . . . . .	42,270	943
Sikkim . . . . .	37,217	1,575
<b>SUB-TOTAL</b>	<b>79,657</b>	<b>27,552</b>
Andhra Pradesh . . . . .	95,737	18,372
Karnataka . . . . .	1,40,822	26,928
Kerala . . . . .	1,09,098	70,916
Tamil Nadu . . . . .	1,78,769	66,081
Pondicherry . . . . .	2,53,873	3,16,813
Lakshadweep . . . . .	26,750	35,667
<b>SUB-TOTAL</b>	<b>1,32,831</b>	<b>34,096</b>
Assam . . . . .	30,815	7,708
Manipur . . . . .	7,779	487
Meghalaya . . . . .	31,031	1,807
Nagaland . . . . .	31,110	1,425
Tripura . . . . .	14,574	2,809
Arunachal Pradesh . . . . .	14,645	109
Mizoram . . . . .	5,625	128
<b>SUB-TOTAL</b>	<b>27,511</b>	<b>2,829</b>
<b>TOTAL (ALL INDIA)</b>	<b>1,21,518</b>	<b>25,053</b>



TABLE NO. 63

Electrical Accidents during 1980-81.

State/U. Ts/Central Undertakings	Total		Power Houses & Sub-Stations				
	Fatal	Non-Fatal.	Electric Undertaking	Supply		Industrial Undertaking	
				Fatal	Non-Fatal	Fatal	Non-Fatal
1. Andhra Pradesh . . . . .	153+35*	119	3	8	..	..	
2. Assam . . . . .	30+32*	21	2+7*	2	..	..	
3. Bihar . . . . .	20	32	1	..	4	16	
4. Gujarat . . . . .	181+170*	159	18+10*	9	15	1	
5. Haryana (B) . . . . .	54+370*	131	9	8	4	..	
6. Himachal Pradesh . . . . .	14+12*	45	..	..	..	..	
7. Jammu & Kashmir . . . . .	15+1*	16	3	2	..	..	
8. Karnataka . . . . .	Data not available.						
9. Kerala . . . . .	108+39*	147+1*	1	1	..	..	
10. Madhya Pradesh . . . . .	255+44*	204+2*	9+7*	7	..	..	
11. Maharashtra . . . . .	396+157*	408+1*	7+4*	24	47	48+1*	
12. Manipur . . . . .	2+14*	4	1	..	..	..	
13. Meghalaya . . . . .	1*	7	..	..	..	..	
14. Nagaland . . . . .	Data not available.						
15. Orissa . . . . .	Data not available.						
16. Punjab . . . . .	51+197*	82	1	5	..	..	
17. Rajasthan . . . . .	79+14*	123	5	11	1	1	
18. Sikkim . . . . .	3	1	..	..	..	..	
19. Tamil Nadu . . . . .	203+63*	115	2	3	..	..	
20. Tripura . . . . .	Data not available.						
21. Uttar Pradesh . . . . .	301+114*	255	11	21	..	..	
22. West Bengal . . . . .	99+26*	156	1	13	1	5	
23. Mines (A) . . . . .	6	18	..	..	1	3	
24. Central Govt. Installations. . . . .	2	6	Details not available.				
25. Railways . . . . .	32+2*	66	..	..	1	2	
<i>Union Territory</i>							
1. A & N. Islands . . . . .	2*	4	..	..	..	..	
2. Arunachal Pradesh . . . . .	..	1	..	1	..	..	
3. Chandigarh . . . . .	..	4	..	2	..	..	
4. D. & N. Haveli. . . . .	..	..	..	..	..	..	
5. Delhi. . . . .	Data not available.						
6. Goa, Daman & Diu . . . . .	22	21	Details not available.				
7. Lakshadweep . . . . .	1	..	..	..	..	..	
8. Mizoram . . . . .	Data not available.						
9. Pondicherry . . . . .	5	4	Details not available.				
<b>TOTAL (ALL INDIA) (C)</b> . . . . .	<b>2,032+1,293*</b>	<b>2,149+4*</b>	<b>74+28*</b>	<b>117</b>	<b>74</b>	<b>77+1*</b>	

\*Accidents involving Animals.

(A) Data partial as information in respect of 1 out of 5 zones is not available.

(B) Details of 370 fatal accidents of animals is not available.

(C) Categorywise total may not tally with aggregate total as details of accidents of some states/UTs are not available.

TABLE NO. 63—Contd.

State/U.Ts/ Central Undertakings	Transmission Lines			
	Electric Supply Undertaking		Industrial Undertaking	
	Fatal	Non-Fatal	Fatal	Non-Fatal
1. Andhra Pradesh	28	52	1	1
2. Assam	8+8*	7	..	..
3. Bihar	6	4	..	..
4. Gujarat	35+20*	25	15	..
5. Haryana	2	..	..	..
6. Himachal Pradesh	..	..	..	..
7. Jammu & Kashmir	1	1	..	..
8. Karnataka	Data not available.			
9. Kerala	4+1*	4	..	1
10. Madhya Pradesh	39+2*	30+1*	..	..
11. Maharashtra	56+5*	51	18+2*	17
12. Manipur	1+6*	2	..	..
13. Meghalaya	1*	..	..	..
14. Nagaland	Data not available.			
15. Orissa	Data not available.			
16. Punjab	4	2	..	..
17. Rajasthan	1	1	..	..
18. Sikkim	3	1	..	..
19. Tamil Nadu	3	7	2	..
20. Tripura	Data not available.			
21. Uttar Pradesh	31	14	1	4
22. West Bengal	37+6*	27	..	..
23. Mines (A)	..	..	..	1
24. Central Govt. Installation.	Details not available.			
25. Railways	..	..	..	4
<i>Union Territories</i>				
1. A. & N. Islands	..	..	..	..
2. Arunachal Pradesh	..	..	..	..
3. Chandigarh	..	..	..	..
4. D. & N. Haveli	..	..	..	..
5. Delhi	Data not available.			
6. Goa, Daman & Diu	Details not available.			
7. Lakshadweep	..	..	..	..
8. Mizoram	Data not available.			
9. Pondicherry	Details not available.			
<b>TOTAL (ALL INDIA)</b>	<b>259+49*</b>	<b>228+1*</b>	<b>37+2*</b>	<b>28</b>

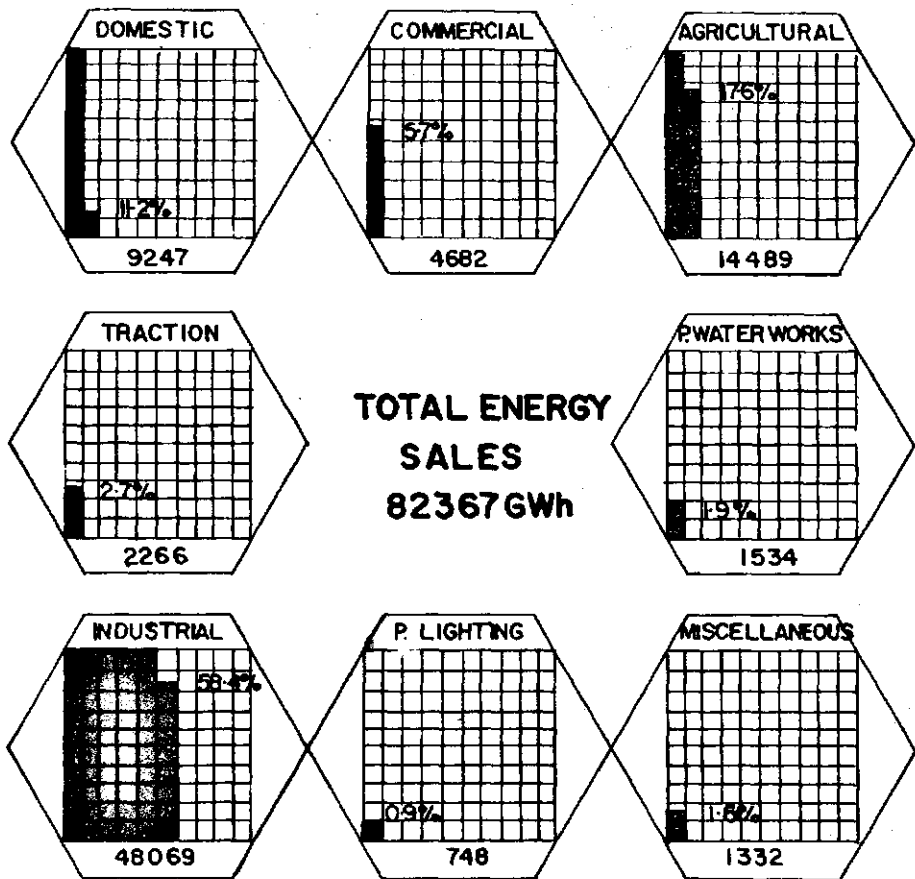
\* Accidents involving animals.

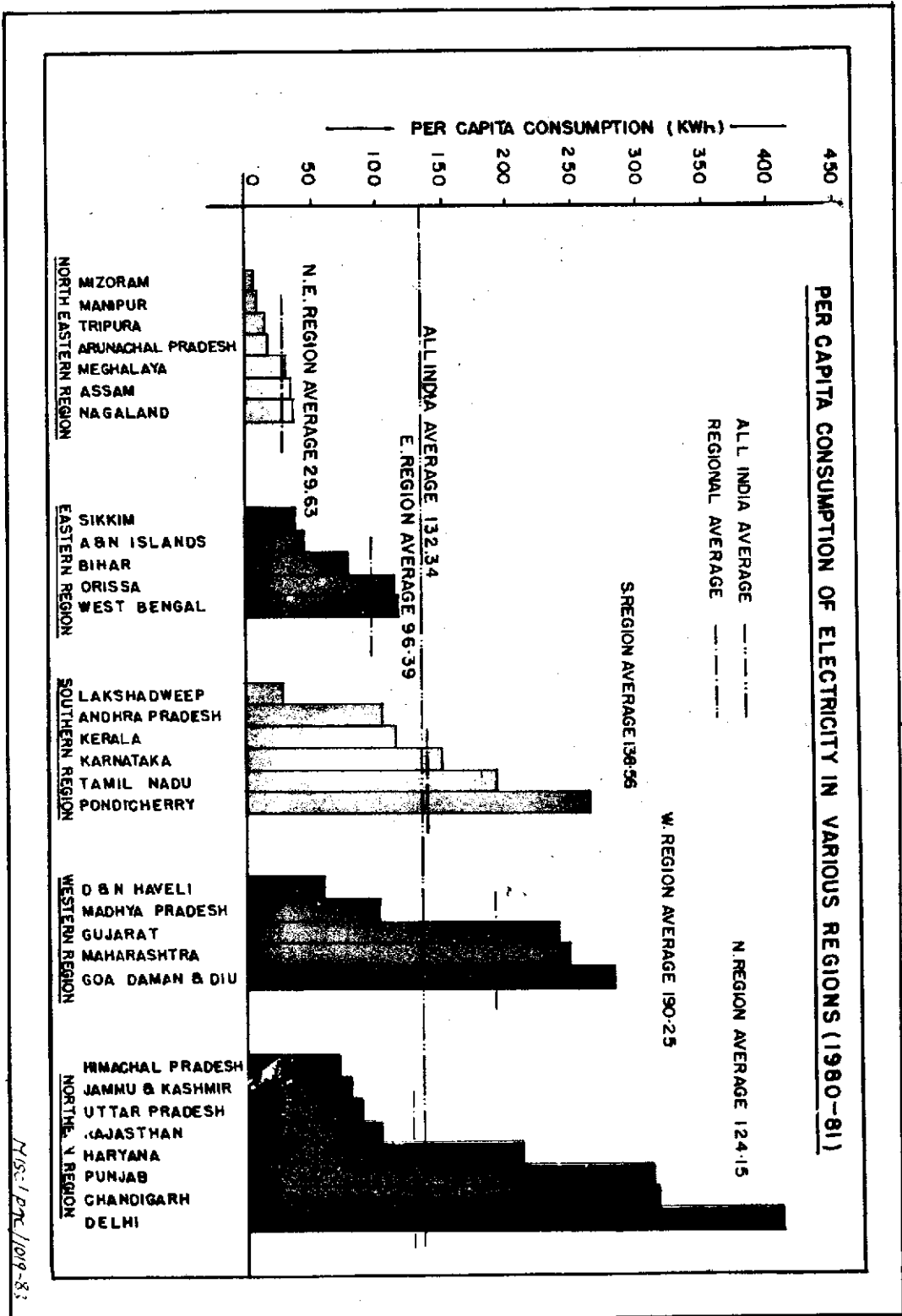
TABLE No. 63—Contd.

State/U. Ts./Central Undertakings	Distribution Lines			
	Electric Supply Undertaking		Industrial Undertaking	
	Fatal	Non-Fatal	Fatal	Non-Fatal
Andhra Pradesh	116+35*	57	5	1
Assam	18+17*	11	2	1
Bihar	7	9	2	3
Gujarat	74+140*	115	24	9
Haryana	39	123	..	..
Himachal Pradesh	14+12*	45	..	..
Jammu & Kashmir	10+1*	13	1	..
Karnataka	Data not available.			
Kerala	94+36*	135	9+2*	6+1*
Madhya Pradesh	194+34*	118+1*	13+1*	49
Maharashtra	190+118*	215	78+28*	53
Manipur	8*	2	..	..
Meghalaya	..	6	..	..
Nagaland	Data not available			
Orissa	Data not available.			
Punjab	40+197*	75	6	..
Rajasthan	65+14*	108	7	2
Sikkim	..	..	..	..
Tamil Nadu	194+63*	105	2	..
Tripura	..	..	..	..
Uttar Pradesh	234+114*	208	24	8
West Bengal	42+20*	75	18	36
Mines (A)	..	1	5	33
Central Govt. Installations	..	..	..	..
Railways	9	14	22+2*	46
<i>Union Territories</i>				
A. & N. Islands	2	4	..	..
Arunachal Pradesh	..	..	..	..
Chandigarh	..	1	..	1
D. & N. Haveli	..	..	..	..
Delhi	*	Data not available.		
Goa, Daman & Diu	Details not available.			
Lakshadweep	1	..	..	..
Mizoram	Data not available.			
Pondicherry	Details not available.			
<b>TOTAL ( ALL-INDIA)</b>	<b>1,341+811*</b>	<b>1,440+1*</b>	<b>218+33*</b>	<b>228+1*</b>

\* Accidents involving animals.

## ENERGY SALES DURING 1980-81 (UTILITIES)





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**SECTION IX**  
**CONSUMERS & CONNECTED LOAD**

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## CONSUMERS AND CONNECTED LOAD

During the year under review 2743 thousands additional electricity connections were given to different categories of consumers bringing the total number of consumers to 32.57 million as on 31st. March, 1981 recording an increase of 9.20% over the previous year. The corresponding connected load of all types of consumers rose to 61398.26 MW as compared to 56123.40 MW as on 31-3-80 registering an increase of 9.40% 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 24844 MW followed by agricultural and domestic sectors having connected load of 16489 MW and 13079 MW respectively.

Tables in this section show the details of consumers and connected load of different categories in various States/Union Territories.

TABLE NO. 64

## Classification of Consumers and Connected Load

UTILITIES ONLY—Regionwise/Statewise as on 31-3-1981

Region	State/U.T.S.	Total		Domestic	
		Connected load (KW)	Consumers	Connected load (KW)	consumers
Northern Region	Haryana	23,57,737	12,19,173	2,86,055	7,98,907
	Himachal Pradesh	4,16,319	4,42,493	1,93,438	3,84,314
	Jammu & Kashmir (E)	2,31,790	3,51,197	72,329	2,92,733
	Punjab	35,85,577	21,53,273	8,24,358	15,48,643
	Rajasthan	28,16,163	13,63,953	4,87,236	8,52,729
	Uttar Pradesh	53,11,086	21,68,130	8,77,236	16,62,851
	Chandigarh	2,20,754	78,340	1,16,291	66,993
	Delhi	12,85,637	10,86,346	5,31,740	8,57,717
	<b>SUB-TOTAL</b>	<b>1,67,25,663</b>	<b>88,67,905</b>	<b>33,88,683</b>	<b>64,64,887</b>
Western Region	Gujarat	52,95,840	32,11,227	12,61,454	24,64,781
	Madhya Pradesh	34,20,862	18,06,157	5,65,474	10,40,771
	Maharashtra	1,04,55,674	50,94,937	24,61,845	35,49,317
	Goa, Daman & Diu	11,06,000	1,54,581	2,04,454	1,11,538
	D. & N. Haveli (RR)	3,465	3,853	1,205	3,410
		<b>SUB-TOTAL</b>	<b>2,02,81,841</b>	<b>1,02,70,755</b>	<b>44,94,432</b>
Eastern Region	Bihar	21,55,407	9,09,921	2,42,498	4,82,691
	Orissa	11,55,775	5,21,193	2,25,244	3,82,407
	West Bengal	31,61,553	12,92,846	8,70,396	8,75,472
	D.V.C. (RR)	5,20,030	39	..	..
	A & N Islands	8,453	14,931	5,448	10,897
	Sikkim	8,917	4,190	7,800	4,100
		<b>SUB-TOTAL</b>	<b>70,10,135</b>	<b>27,43,120</b>	<b>13,51,386</b>
Southern Region	Andhra Pradesh	44,93,954	24,21,648	7,39,336	15,59,255
	Karnataka	35,13,817	23,33,129	9,15,164	16,97,177
	Kerala	20,20,401	15,90,297	7,20,691	11,61,912
	Tamil Nadu	71,05,005	39,77,974	12,78,879	22,56,322
	Pondicherry	10,631	60,186	25,783	40,071
	Lakshadweep	3,145	4,892	2,331	4,300
		<b>SUB-TOTAL</b>	<b>1,72,46,953</b>	<b>1,03,88,176</b>	<b>36,82,184</b>
North Eastern Region	Assam	5,14,440	1,77,338	1,06,864	1,18,393
	Manipur (R)	7,972	18,575	4,202	18,000
	Mizoram (R)	35,201	30,337	13,198	26,505
	Nagaland	37,579	35,589	24,023	28,590
	Tripura (R)	27,647	24,841	7,574	18,536
	Arunachal Pradesh	5,470	14,519	3,600	13,080
	Mizoram (R)	5,958	5,200	2,466	4,742
		<b>SUB-TOTAL</b>	<b>6,34,267</b>	<b>3,06,399</b>	<b>1,61,927</b>
	<b>TOTAL (ALL INDIA)</b>	<b>6,13,98,259</b>	<b>3,25,71,305</b>	<b>1,30,78,672</b>	<b>2,23,37,554</b>

(RR) Data regarding connected load reported due to non-availability of information.

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



TABLE No. 64—(Contd.)

State/U.Ts.	Commercial		Industrial (LV & MV)	
	Connected load (KW)	Consumers	Connected load (KW)	Consumers
Haryana . . . . .	86,411	1,48,716	4,79,922	42,176
Himachal Pradesh . . . . .	54,488	50,045	87,461	5,977
Jammu & Kashmir . . . . .	21,867	46,525	85,163	8,060
Punjab . . . . .	2,45,672	2,64,321	4,39,101	55,215
Rajasthan . . . . .	1,86,303	2,45,229	5,09,627	48,686
Uttar Pradesh . . . . .	1,00,116	51,071	10,70,873	1,10,433
Chandigarh . . . . .	50,302	9,430	18,271	1,152
Delhi . . . . .	3,47,367	1,86,052	2,66,760	41,165
<b>Sub—TOTAL</b> . . . . .	<b>10,92,526</b>	<b>10,01,389</b>	<b>29,57,178</b>	<b>3,12,884</b>
Gujarat . . . . .	3,24,748	3,71,758	10,41,657	1,25,871
Madhya Pradesh . . . . .	2,85,575	3,37,204	5,32,659	55,828
Maharashtra . . . . .	7,78,303	6,90,233	15,14,622	1,53,173
Goa, Daman & Diu . . . . .	19,520	17,525	1,66,743	2,879
Dadra & Nagar Haveli (R) . . . . .	40	78	980	76
<b>Sub—TOTAL</b> . . . . .	<b>14,08,186</b>	<b>14,16,798</b>	<b>32,56,661</b>	<b>3,37,827</b>
Bihar . . . . .	1,34,474	1,99,439	5,13,105	61,244
Orissa . . . . .	87,240	1,03,931	2,17,247	14,818
West Bengal . . . . .	4,85,448	3,15,331	4,51,101	74,705
D.V.C. (R) . . . . .	30	3	..	..
A. & N. Islands . . . . .	2,244	3,470	710	177
Sikkim . . . . .	(A)	(A)	1,050	50
<b>Sub—TOTAL</b> . . . . .	<b>7,09,436</b>	<b>6,22,444</b>	<b>11,83,213</b>	<b>1,50,994</b>
Andhra Pradesh . . . . .	3,88,279	3,17,532	5,72,533	52,106
Karnataka . . . . .	1,67,888	2,35,531	4,75,314	74,919
Kerala . . . . .	1,96,351	2,99,174	3,93,578	35,409
Tamil Nadu . . . . .	4,34,527	6,13,566	8,58,669	1,54,871
Pondicherry . . . . .	5,153	10,503	26,390	1,693
Lakshadweep . . . . .	555	536	183	36
<b>Sub—TOTAL</b> . . . . .	<b>11,92,753</b>	<b>14,76,842</b>	<b>23,26,667</b>	<b>3,18,350</b>
Assam . . . . .	73,569	48,925	1,82,478(D)	4,468(D)
Manipur . . . . .	341	35	3,122	475
Meghalaya . . . . .	4,720	3,472	11,580	221
Nagaland . . . . .	4,895	5,953	3,552	503
Tripura . . . . .	3,888	4,924	8,700	725
Arunachal Pradesh . . . . .	341	895	660	13
Mizoram . . . . .	3,303	453	185	5
<b>Sub—TOTAL</b> . . . . .	<b>91,061</b>	<b>64,657</b>	<b>2,10,277</b>	<b>6,410</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>44,93,952</b>	<b>45,82,130</b>	<b>99,33,996</b>	<b>11,26,665</b>

(D) Includes Tea gardens.

(A) Included in domestic category.

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

(E) Data regarding number of consumers and connected load estimated due to non-availability of information.

TABLE No. 64—Contd.

State/U.Ts.	Industrial H.V.		Public Lighting	
	Connected load (KW)	Consumers	Connected load (KW)	Consumers
Haryana . . . . .	4,16,596	707	3,614	2,073
Himachal Pradesh . . . . .	(C)	(C)	1,108	180
Jammu & Kashmir (C) . . . . .	(C)	(C)	386	47
Punjab . . . . .	9,89,375	6,088	4,866	589
Rajasthan . . . . .	5,07,941	353	8,580	2,706
Uttar Pradesh . . . . .	11,80,235	2,170	14,483	4,690
Chandigarh . . . . .	23,418	63	1,478	163
Delhi . . . . .	84,664	205	17,431	1,167
<b>SUB—TOTAL</b> . . . . .	<b>32,02,229</b>	<b>9,586</b>	<b>51,946</b>	<b>11,615</b>
Gujarat . . . . .	9,82,219	1,491	28,328	9,968
Maharashtra . . . . .	9,37,826	719	30,753	10,108
Maharashtra . . . . .	30,27,771	3,581	47,301	21,328
Goa, Daman & Diu . . . . .	6,94,348	165	9,298	20,384
D. & N. Haveli . . . . .	600	10	250	58
<b>SUB—TOTAL</b> . . . . .	<b>26,42,764</b>	<b>5,966</b>	<b>115,930</b>	<b>61,846</b>
Bihar . . . . .	5,73,260	1,149	7,013	5,723
Orissa . . . . .	4,84,656	306	11,435	3,121
West Bengal . . . . .	10,22,597	1,913	13,407	457
D.V.C. . . . .	425,000	25	..	..
A. & N. Islands . . . . .	..	..	2	54
Sikkim . . . . .	..	..	67	40**
<b>SUB—TOTAL</b> . . . . .	<b>25,05,513</b>	<b>3,393</b>	<b>31,924</b>	<b>9,395</b>
Andhra Pradesh . . . . .	9,72,751	1,291	33,378	21,487
Karnataka . . . . .	8,22,869	1,211	25,758	8,704
Kerala . . . . .	4,20,689	605	13,952	1,399
Tamil Nadu . . . . .	12,49,978	1,359	44,963	41,147
Pondicherry . . . . .	23,410	40	895	28
Lakshadweep . . . . .	..	..	76	20
<b>SUB—TOTAL</b> . . . . .	<b>34,89,697</b>	<b>4,566</b>	<b>1,19,022</b>	<b>72,785</b>
Assam . . . . .	68,135	25	2,077	3,207
Manipur . . . . .	..	..	87	60
Meghalaya . . . . .	(C)	6	69	74
Nagaland . . . . .	..	..	475	506
Tripura . . . . .	1,500	1	625	105
Arunachal Pradesh . . . . .	..	10	327	105
Mizoram . . . . .	..	..	(A)	(A)
<b>SUB—TOTAL</b> . . . . .	<b>69,635</b>	<b>42</b>	<b>3,660</b>	<b>4,058</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,49,09,838</b>	<b>23,493</b>	<b>3,22,482</b>	<b>1,59,659</b>

NOTE.—\*\*No. of consumers reported last year have been revised.  
(C) Included in industrial low & medium voltage.

TABLE NO. 64—Contd.

State/U.Ts.	Traction		Agricultural	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Haryana . . . . .	..	..	10,34,172	2,25,461
Himachal Pradesh . . . . .	..	..	25,174	1,939
Jammu & Kashmir . . . . .	..	..	18,864	1,067
Punjab . . . . .	..	..	10,33,540	2,78,184
Rajasthan . . . . .	..	..	10,00,563	2,07,374
Uttar Pradesh . . . . .	1,03,274	4	18,92,147	3,33,946
Chandigarh . . . . .	..	..	1,682	376
Delhi . . . . .	..	..	(C)	(C)
<b>SUB—TOTAL</b> . . . . .	<b>1,03,274</b>	<b>4</b>	<b>50,06,142</b>	<b>10,48,347</b>
Gujarat . . . . .	50,000	5	15,02,001	2,31,218
Madhya Pradesh . . . . .	1,01,176	12	9,09,030	3,53,682
Maharashtra . . . . .	30,778	11	22,60,376	6,67,553
Goa, Daman & Diu . . . . .	..	..	11,231	2,037
D. & N. Haveli . . . . .	..	..	350	(H)
<b>SUB—TOTAL</b> . . . . .	<b>18,19,54</b>	<b>23</b>	<b>46,82,988</b>	<b>12,54,490</b>
Bihar . . . . .	1,63,000	8	4,96,057	1,58,971
Orissa . . . . .	27,300	4	72,755	15,660
West Bengal . . . . .	99,087	13	1,42,472	23,814
D. V. C. . . . .	90,000	7	..	..
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>3,79,387</b>	<b>32</b>	<b>7,11,284</b>	<b>1,98,446</b>
Andhra Pradesh . . . . .	..	..	16,79,381	4,40,549
Karnataka . . . . .	..	..	10,37,346	3,13,026
Kerala . . . . .	..	..	2,62,103	91,571
Tamil Nadu . . . . .	34,828	5	30,33,143	8,76,499
Pondicherry . . . . .	..	..	29,000(E)	7,836
Lakshadweep . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>34,828</b>	<b>5</b>	<b>60,40,973</b>	<b>17,29,481</b>
Assam . . . . .	..	..	45,346	1,858
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	734	21
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	1,720	86
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>47,800</b>	<b>1,995</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>6,99,443</b>	<b>69</b>	<b>164,89,187</b>	<b>42,32,759</b>

TABLE No. 64—Contd.

State/U.Ts.	Public Water Works		Miscellaneous	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Haryana . . . . .	17,994	1,008	32,973	125
Himachal Pradesh . . . . .	(C)	(C)	54,650	38
Jammu & Kashmir (E) . . . . .	11,089	379	22,092	2,366
Punjab . . . . .	3,000	86(F)	45,665	147
Rajasthan . . . . .	64,009	5,117	51,504	1,759
Uttar Pradesh . . . . .	48,898	1,168	23,824	1,797
Chandigarh . . . . .	4,247	158	5,065	5
Delhi . . . . .	37,675	39	..	1
<b>SUB—TOTAL</b> . . . . .	<b>1,86,912</b>	<b>7,955</b>	<b>2,36,173</b>	<b>6,238</b>
Gujarat . . . . .	94,203	6,066	11,230	69
Madhya Pradesh . . . . .	58,363	7,815	6	18
Maharashtra . . . . .	1,09,188	5,061	2,25,490	4,680
Goa, Daman & Diu . . . . .	406	44	..	9
D. & N. Haveli . . . . .	40	221	..	..
<b>SUB—TOTAL</b> . . . . .	<b>2,62,260</b>	<b>19,207</b>	<b>2,36,726</b>	<b>4,776</b>
Bihar . . . . .	24,000	695	2,000	1
Orissa . . . . .	19,057	691	10,841	255
West Bengal . . . . .	39,027	503	38,018	638
D.V.C. . . . .	..	..	5,000	4
A & N Islands . . . . .	20	4	29	58
Sikkim . . . . .	..	..	..	..
<b>Sub-Total</b> . . . . .	<b>82,104</b>	<b>1,893</b>	<b>55,888</b>	<b>956</b>
Andhra Pradesh . . . . .	23,043	1,231	85,253	28,197
Karnataka . . . . .	69,478	2,561	..	..
Kerala . . . . .	13,037	527	..	..
Tamil Nadu . . . . .	53,098	12,104	1,16,920	22,485
Pondicherry . . . . .	(C)	15	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>1,58,656</b>	<b>16,438</b>	<b>2,02,173</b>	<b>50,682</b>
Assam . . . . .	5,072	138	30,899	299
Manipur . . . . .	220	5	..	..
Meghalaya . . . . .	200	18	4,700	20
Nagaland . . . . .	149	8	4,485	29
Tripura . . . . .	1,040	52	2,600	12
Arunachal Pradesh . . . . .	42	3	500	412
Mizoram . . . . .	(C)	(C)	..	..
<b>SUB—TOTAL</b> . . . . .	<b>6,723</b>	<b>219</b>	<b>43,184</b>	<b>772</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>6,96,595</b>	<b>45,712</b>	<b>7,74,144</b>	<b>63,424</b>

N.A.—Not available (C)—Included in Industrial (LV&MV) Category.

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

Note— In certain cases figures for the year 1980-81 may not be consistent with the previous years figures because of improper reporting or revision of last year data by Electricity Boards/Licensees.

(H)— Included in Public Water Work & sewage pumping category.

TABLE NO. 65

Average Electricity Consumption per Consumer  
Regionwise/Statewise—Categorywise during 1980-81

(In thousand KWH)

Region	State/UTs	Total Average All Categories	Domestic	Commercial
<i>Northern Region</i>	Haryana	2.10	0.28	0.49
	Himachal Pradesh	0.63	0.16	0.63
	Jammu & Kashmir	1.25	0.30	0.78
	Punjab	2.32	0.32	0.53
	Rajasthan	2.15	0.26	0.59
	Uttar Pradesh	3.62	0.48	0.98
	Chandigarh	2.17	0.81	3.05
	Delhi	2.12	0.89	3.06
	<b>SUB-TOTAL</b>	<b>2.43</b>	<b>0.42</b>	<b>1.07</b>
<i>Western Region</i>	Gujarat	2.36	0.27	0.76
	Madhya Pradesh	2.53	0.33	0.65
	Maharashtra	2.76	0.50	1.38
	Goa, Daman & Diu	1.64	0.27	0.68
	D & N Haveli	1.49	0.21	3.72
	<b>SUB-TOTAL</b>	<b>2.57</b>	<b>0.40</b>	<b>1.04</b>
<i>Eastern Region</i>	Bihar (I)	4.13	0.26	0.44
	Orissa	4.76	0.30	0.62
	West Bengal (I)	4.39	0.88	1.63
	A & N. Islands	0.52	0.24	0.87
	Sikkim	2.74	1.71	(A)
	<b>SUB-TOTAL</b>	<b>4.35</b>	<b>0.58</b>	<b>1.08</b>
<i>Southern Region</i>	Andhra Pradesh	2.10	0.35	1.61
	Karnataka	2.21	0.41	0.57
	Kerala	1.73	0.39	0.64
	Tamil Nadu	2.16	0.38	0.94
	Pondicherry	2.53	0.46	0.72
	Lakshadweep	0.22	0.17	0.45
	<b>SUB-TOTAL</b>	<b>2.09</b>	<b>0.33</b>	<b>0.96</b>
<i>North Eastern Region</i>	Assam	3.41	0.57	0.61
	Manipur	0.59	0.44	18.00
	Meghalaya	1.34	0.42	1.98
	Nagaland	0.66	0.27	0.63
	Tripura	1.19	0.65	1.08
	Arunachal Pradesh	0.63	0.33	0.55
	Mizoram	0.52	0.38	0.99
		<b>SUB-TOTAL</b>	<b>2.35</b>	<b>0.49</b>
	<b>TOTAL (ALL INDIA)</b>	<b>2.53</b>	<b>0.41</b>	<b>1.02</b>

(I) : Including D.V.C.

(A) : Included in Domestic Category

TABLE No 65—Contd.

State/UTs	Industrial L.V. & M.V.	Industrial H.V.	Public Lighting
Haryana . . . . .	7.80	1,260.55	3.56
Himachal Pradesh . . . . .	17.99	(B)	10.94
Jammu & Kashmir . . . . .	16.12	(B)	138.51
Punjab . . . . .	5.77	334.59	30.73
Rajasthan . . . . .	6.08	2,832.32	7.24
Uttar Pradesh . . . . .	7.51	1,286.89	7.41
Chandigarh . . . . .	25.67	753.81	19.82
Delhi . . . . .	7.00	2,746.34	45.16
<b>SUB-TOTAL</b> . . . . .	<b>7.44</b>	<b>764.77</b>	<b>12.42</b>
Gujarat . . . . .	6.32	2,712.70	7.37
Madhya Pradesh . . . . .	5.68	4,205.44	3.61
Maharashtra . . . . .	8.10	1,924.67	7.48
Goa, Daman & Diu . . . . .	4.24	988.30	0.12
D & N Haveli . . . . .	11.71	337.00	2.07
<b>SUB-TOTAL</b> . . . . .	<b>7.00</b>	<b>2367.92</b>	<b>4.40</b>
Bihar (I) . . . . .	3.70	2,139.64	0.79
Orissa . . . . .	5.77	6,568.01	2.91
West Bengal (I) . . . . .	5.14	1,683.89	103.97
A & N Islands . . . . .	8.42	..	5.93
Sikkim . . . . .	40.00	..	54.35
<b>SUB-TOTAL</b> . . . . .	<b>4.68</b>	<b>226.30</b>	<b>6.80</b>
Andhra Pradesh . . . . .	7.90	1,855.14	2.33
Karnataka . . . . .	6.57	2,787.19	8.19
Kerala . . . . .	6.36	2,827.75	31.42
Tamil Nadu . . . . .	4.60	2,727.00	2.11
Pondicherry . . . . .	6.65	1,582.25	173.21
Lakshadweep . . . . .	1.11	..	2.00
<b>SUB-TOTAL</b> . . . . .	<b>5.81</b>	<b>2,496.75</b>	<b>3.53</b>
Assam . . . . .	35.97	9,800.00	2.34
Manipur . . . . .	1.96	..	6.67
Meghalaya . . . . .	21.54	1,885.00	2.03
Nagaland . . . . .	1.89	..	2.17
Tripura . . . . .	8.28	..	7.07
Arunachal Pradesh . . . . .	35.38	5.00	10.00
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>27.12</b>	<b>6,103.81</b>	<b>2.79</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>6.58</b>	<b>1,730.49</b>	<b>4.69</b>

NOTE— L.V. &amp; M.V. means low and medium voltage.

H.V. means high voltage.

(B) Included in Industrial Low and Medium Voltage.

TABLE No. 65—Contd.

(In thousandKWH)

State/U.Ts.	Traction	Agricultural	Public Water Works
Haryana . . . . .	..	4.23	18.45
Himachal Pradesh . . . . .	..	2.98	(B)
Jammu & Kashmir . . . . .	..	23.52	120.95
Punjab . . . . .	..	6.65	83.37
Rajasthan . . . . .	..	4.87	29.25
Uttar Pradesh . . . . .	88645.00	8.36	116.39
Chandigarh . . . . .	..	2.82	14.87
Delhi . . . . .	..	..	(C)
<b>SUB—TOTAL</b>	<b>88,645.00</b>	<b>6.34</b>	<b>45.20</b>
Gujarat . . . . .	27,136.00	5.77	31.12
Madhya Pradesh . . . . .	9,405.00	0.98	21.05
Maharashtra . . . . .	69,677.27	2.58	65.50
Goa, Daman & Diu . . . . .	..	1.41	508.18
D & N. Haveli . . . . .	..	(D)	1.63
<b>SUB—TOTAL</b>	<b>36,247.87</b>	<b>2.72</b>	<b>36.73</b>
Bihar (I) . . . . .	44341.25	2.73	70.58
Orissa . . . . .	16,407.50	3.75	48.48
West Bengal (I) . . . . .	3,229.23	3.04	328.68
A & N. Islands . . . . .	..	..	22.50
Sikkim . . . . .	..	..	..
<b>SUB—TOTAL</b>	<b>25,979.37</b>	<b>2.85</b>	<b>130.99</b>
Andhra Pradesh . . . . .	..	2.22	60.33
Karnataka . . . . .	..	1.26	0.15
Kerala . . . . .	..	0.87	70.17
Tamil Nadu . . . . .	13,000.00	2.70	7.20
Pondicherry . . . . .	..	5.36	311.33
Lakshadweep . . . . .	..	..	..
<b>SUB—TOTAL</b>	<b>13,000.00</b>	<b>2.23</b>	<b>12.38</b>
Assam . . . . .	..	2.12	112.78
Manipur . . . . .	..	..	10.00
Meghalaya . . . . .	..	0.48	19.44
Nagaland . . . . .	..	..	30.00
Tripura . . . . .	..	28.49	38.85
Arunachal Pradesh . . . . .	..	..	30.00
Mizoram . . . . .	..	..	..
<b>SUB—TOTAL</b>	<b>..</b>	<b>3.70</b>	<b>81.32</b>
<b>TOTAL (ALL INDIA)</b>	<b>32,839.28</b>	<b>3.42</b>	<b>33.57</b>

(C) Included in Industrial Low &amp; Medium Voltage

(D) Included in Public Water Works

TABLE NO 66

*Average Connected Load per Consumer*  
Regionwise/Statewise-Categorywise as on 31st March, 1981

(in KW)

Region	State/U.Ts.	Total Average/All Categories	Domestic	Commercial
<i>Northern Region</i>	Haryana . . . . .	1.93	0.76	0.58
	Himachal Pradesh . . . . .	0.94	0.50	1.69
	Jammu & Kashmir . . . . .	0.66	0.25	0.47
	Punjab . . . . .	1.66	0.53	0.93
	Rajasthan . . . . .	2.06	0.57	0.76
	Uttar Pradesh . . . . .	2.45	0.53	1.96
	Chandigarh . . . . .	2.82	1.74	5.33
	Delhi . . . . .	1.18	0.62	1.87
	<b>SUB-TOTAL</b> . . . . .	<b>1.83</b>	<b>0.52</b>	<b>1.09</b>
<i>Western Region</i>	Gujarat . . . . .	1.65	0.51	0.87
	Madhya Pradesh . . . . .	1.89	0.54	0.85
	Maharashtra . . . . .	2.05	0.69	1.12
	Goa, Daman & Diu . . . . .	7.15	1.83	1.11
	D & N Haveli . . . . .	0.90	0.35	0.51
	<b>SUB-TOTAL</b> . . . . .	<b>1.97</b>	<b>0.63</b>	<b>0.99</b>
<i>Eastern Region</i>	Bihar . . . . .	2.37	0.50	0.67
	Orissa . . . . .	2.22	0.59	0.84
	West Bengal . . . . .	2.45	0.99	1.31
	D.V.C. . . . .	13,334.10	..	10.00
	A & N Islands . . . . .	0.57	0.50	0.60
	Sikkim . . . . .	2.13	1.90	(A)
	<b>SUB-TOTAL</b> . . . . .	<b>2.56</b>	<b>0.77</b>	<b>1.14</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	1.86	0.47	1.22
	Karnataka . . . . .	1.51	0.54	0.71
	Kerala . . . . .	1.27	0.62	0.66
	Tamil Nadu . . . . .	1.79	0.57	0.71
	Pondicherry . . . . .	1.84	0.64	0.49
	Lakshadweep . . . . .	0.64	0.54	1.03
	<b>SUB-TOTAL</b> . . . . .	<b>1.66</b>	<b>0.55</b>	<b>0.81</b>
<i>North Eastern Region</i>	Assam . . . . .	2.90	0.90	1.50
	Manipur . . . . .	0.43	0.23	9.74
	Meghalaya . . . . .	1.16	0.50	1.36
	Nagaland . . . . .	1.06	0.84	0.82
	Tripura . . . . .	1.11	0.40	0.79
	Arunachal Pradesh . . . . .	0.38	0.28	0.38
	Mizoram . . . . .	1.15	0.52	7.30
	<b>SUB-TOTAL</b> . . . . .	<b>2.07</b>	<b>0.71</b>	<b>1.41</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1.89</b>	<b>0.59</b>	<b>0.98</b>



TABLE No. 66—Contd

State/U.Ts	Industrial LV & MV	Industrial HV	Public Lighting
Haryana . . . . .	11.38	589.24	1.74
Himachal Pradesh . . . . .	14.63	(C)	6.16
Jammu & Kashmir . . . . .	10.54	(C)	8.21
Punjab . . . . .	7.95	162.51	8.26
Rajasthan . . . . .	10.47	1,438.93	3.17
Uttar Pradesh . . . . .	9.70	543.89	3.08
Chandigarh . . . . .	15.86	371.71	9.07
Delhi . . . . .	6.48	413.00	14.91
<b>SUB—TOTAL</b> . . . . .	<b>9.45</b>	<b>334.05</b>	<b>4.47</b>
Gujarat . . . . .	8.28	658.77	2.84
Madhya Pradesh . . . . .	9.54	1,304.35	3.04
Maharashtra . . . . .	9.88	845.51	2.22
Goa, Daman & Diu . . . . .	57.92	4,208.17	0.46
D & N Haveli . . . . .	12.89	60.00	4.31
<b>SUB—TOTAL</b> . . . . .	<b>9.64</b>	<b>945.82</b>	<b>1.87</b>
Bihar . . . . .	8.40	498.92	1.22
Orissa . . . . .	14.66	1,583.84	3.66
West Bengal . . . . .	6.04	534.55	29.34
D.V.C. . . . .	..	17,000.00	..
A & N Islands . . . . .	4.01	..	0.04
Sikkim . . . . .	21.00	..	1.68
<b>SUB—TOTAL</b> . . . . .	<b>7.84</b>	<b>738.44</b>	<b>3.40</b>
Andhra Pradesh . . . . .	10.99	753.49	1.55
Karnataka . . . . .	6.34	679.50	2.96
Kerala . . . . .	11.21	695.35	9.97
Tamil Nadu . . . . .	5.56	919.78	1.09
Pondicherry . . . . .	15.59	585.25	31.96
Lakshadweep . . . . .	5.08	..	3.80
<b>SUB—TOTAL</b> . . . . .	<b>7.31</b>	<b>774.46</b>	<b>1.64</b>
Assam . . . . .	40.84	2,725.40	0.65
Manipur . . . . .	6.57	..	1.45
Meghalaya . . . . .	52.39	..	0.93
Nagaland . . . . .	7.06	..	0.94
Tripura . . . . .	12.00	1,500.00	5.95
Arunachal Pradesh . . . . .	50.77	..	3.08
Mizoram . . . . .	37.00	..	(A)
<b>Sub—TOTAL</b> . . . . .	<b>32.80</b>	<b>1,657.98</b>	<b>0.90</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>8.82</b>	<b>634.65</b>	<b>2.02</b>

(A)—Included in Domestic.

(C)—Included in Industrial Low &amp; Medium voltage

TABLE No. 66—Contd.

State/U.Ts	Traction	Agricultural	Public Water Works
Haryana . . . . .	..	4.59	17.85
Himachal Pradesh . . . . .	..	12.98	(C)
Jammu & Kashmir . . . . .	..	17.68	29.26
Punjab . . . . .	..	3.71	34.88
Rajasthan . . . . .	..	4.82	12.51
Uttar Pradesh . . . . .	25,818.50	5.67	41.86
Chandigarh . . . . .	..	4.47	28.31
Delhi . . . . .	..	(C)	966.03
<b>SUB—TOTAL</b> . . . . .	<b>25,818.50</b>	<b>4.78</b>	<b>23.50</b>
Gujarat . . . . .	10,000.00	6.49	15.53
Madhya Pradesh . . . . .	8,431.33	2.57	7.47
Maharashtra . . . . .	27,980.00	3.39	21.57
Goa, Daman & Diu . . . . .	..	5.51	9.23
D & N Haveli . . . . .	..	(B)	0.18
<b>SUB—TOTAL</b> . . . . .	<b>6,498.36</b>	<b>3.73</b>	<b>13.65</b>
Bihar . . . . .	20,375.00	3.12	34.53
Orissa . . . . .	6,825.08	4.65	27.58
West Bengal . . . . .	7,622.00	5.98	77.59
D.V.C. . . . .	12,857.14	..	..
A & N Islands . . . . .	..	..	5.00
Sikkim . . . . .	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>11,855.84</b>	<b>3.58</b>	<b>43.37</b>
Andhra Pradesh . . . . .	..	3.81	18.72
Karnataka . . . . .	..	3.31	27.13
Kerala . . . . .	..	2.86	24.74
Tamil Nadu . . . . .	6,965.60	3.46	4.39
Pondicherry . . . . .	..	3.70	(C)
Lakshadweep . . . . .	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>6,965.60</b>	<b>3.49</b>	<b>9.65</b>
Assam . . . . .	..	24.02	38.14
Manipur . . . . .	..	..	44.00
Meghalaya . . . . .	..	34.95	11.11
Nagaland . . . . .	..	..	18.63
Tripura . . . . .	..	20.00	20.00
Arunachal Pradesh . . . . .	..	..	14.04
Mizoram . . . . .	..	..	(C)
<b>SUB—TOTAL</b> . . . . .	<b>..</b>	<b>23.96</b>	<b>30.70</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>10,136.86</b>	<b>3.90</b>	<b>15.24</b>

(B) Included in Public water works category

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**SECTION X**  
**URBAN & RURAL ELECTRIFICATION**

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## URBAN AND RURAL ELECTRIFICATION

For the economic upliftment of rural sector availability of electricity is one of the important prerequisites and it is the policy of State and Central Governments to extend electricity rapidly to the rural areas. During the year 1980-81, 22488 villages have been benefited by electricity bringing the total number of villages electrified to 272287 as on 31-3-1981, which represents 47.3% of the total registered villages in the country. The States of Punjab, Haryana & Kerala and U.Ts. of Chandigarh, Delhi and Pondicherry have already achieved 100% electrification of their villages. Other States, which are not much lagging behind in this field are Tamil Nadu (99.1%) and Union Territories of Goa, Daman & Diu (90.0%) and Lakshdweep (90.0%).

As regards the regionwise progress in rural electrification, southern region tops with 72.6% of the total villages covered by electricity. The rural population enjoying the benefits of village electrification was 68.0% as on 31-3-1981 compared to 65.1% during the last year i.e. as on 31-3-1980. Out of 3126 towns in the country 3125 towns stand electrified as on 31-3-1981. The only town left to be electrified is in West Bengal.

Tempo of pumpset energisation was maintained during 1980-81. This has helped agricultural consumers to improve the productivity of their agricultural operations. The total number of energised pumpsets in the country were 4330453 as on 31-3-1981. Tamil Nadu continue to have maximum number of energised pumpsets (919162) followed by Maharashtra (668058) and Andhra Pradesh (446493).

Salient features of urban and Rural electrification are covered in various tables of this Section.

TABLE No. 67

*Towns Electricied in Various Population Groups (1971 Census)*  
Regionwise/Statewise as on 31st March, 1981.

Region	State/UTs	Number	Total	Population Groups	
			below 5000	5000 to 9999	10000 to 19999
<i>Northern Region</i>	Haryana . . . . .	65	5	20	15
	Himachal Pradesh . . . . .	36	23	6	5
	Jammu & 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	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>741</b>	<b>80</b>	<b>208</b>	<b>224</b>
<i>Western Region</i>	Gujarat . . . . .	216	5	71	73
	Madhya Pradesh . . . . .	250	12	96	74
	Maharashtra . . . . .	289	14	70	98
	Goa Daman & Diu . . . . .	13	4	4	1
	Dadra & Nagar Haveli . . . . .	..	..	..	..
		<b>SUB-TOTAL</b> . . . . .	<b>768</b>	<b>35</b>	<b>241</b>
<i>Eastern Region</i>	Bihar . . . . .	202	12	47	72
	Orissa . . . . .	81	2	30	23
	West Bengal . . . . .	223	9	59	59
	Andaman & Nicobar island . . . . .	1	..	..	..
	Sikkim . . . . .	7	6	..	1
		<b>SUB-TOTAL</b> . . . . .	<b>514</b>	<b>29</b>	<b>136</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	224	8	45	79
	Karnataka . . . . .	245	26	51	105
	Kerala . . . . .	88	2	9	25
	Tamil Nadu . . . . .	439	101	97	118
	Pondicherry . . . . .	6	..	2	..
	Lakashdweep . . . . .	..	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>1,002</b>	<b>137</b>	<b>204</b>	<b>327</b>
<i>North Eastern Region</i>	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	..
		<b>SUB-TOTAL</b> . . . . .	<b>101</b>	<b>15</b>	<b>31</b>
	<b>TOTAL (ALL INDIA)</b>	<b>3,126</b>	<b>296</b>	<b>820</b>	<b>987</b>

TABLE No. 67--Contd.

State	POPULATION GROUPS			Total number Electrified	Electrified during 1980-81
	20000 to 49999	50000 to 99999	Over one lakh		
Haryana . . . . .	14	9	2	65	..
Himachal Pradesh . . . . .	1	1	..	36	..
Jammu & Kashmir . . . . .	3	..	2	45	..
Punjab . . . . .	22	8	4	108	..
Rajasthan . . . . .	31	7	7	157	..
Uttar Pradesh . . . . .	71	21	22	325	..
Chandigarh . . . . .	..	..	..	2	..
Delhi . . . . .	..	1	2	3	..
<b>SUB-TOTAL</b> . . . . .	<b>142</b>	<b>47</b>	<b>40</b>	<b>741</b>	<b>..</b>
Gujarat . . . . .	42	18	7	216	1
Madhya Pradesh . . . . .	43	14	11	250	..
Maharashtra . . . . .	65	25	17	289	..
Goa, Daman & Diu . . . . .	3	1	..	13	..
Dadra & Nagar Haveli . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>153</b>	<b>58</b>	<b>35</b>	<b>768</b>	<b>1</b>
Bihar . . . . .	51	11	9	202	..
Orissa . . . . .	20	2	4	81	..
West Bengal . . . . .	49	31	15	222	..
Andaman & Nicobar Islands . . . . .	1	..	..	1	..
Sikkim . . . . .	..	..	..	7	..
<b>SUB-TOTAL</b> . . . . .	<b>121</b>	<b>44</b>	<b>28</b>	<b>513</b>	<b>..</b>
Andhra Pradesh . . . . .	61	18	13	224	..
Karnataka . . . . .	42	11	10	245	..
Kerala . . . . .	40	7	5	88	..
Tamil Nadu . . . . .	79	27	17	439	..
Pondicherry . . . . .	3	1	..	6	..
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>225</b>	<b>64</b>	<b>45</b>	<b>1,002</b>	<b>..</b>
Assam . . . . .	9	5	1	72	..
Manipur . . . . .	..	..	1	8	..
Meghalaya . . . . .	..	1	..	6	..
Nagaland . . . . .	1	..	..	3	..
Tripura . . . . .	..	..	1	6	..
Arunachal Pradesh . . . . .	..	..	..	4	..
Mizoram . . . . .	1	..	..	2	..
<b>SUB-TOTAL</b> . . . . .	<b>11</b>	<b>6</b>	<b>3</b>	<b>101</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>652</b>	<b>219</b>	<b>151</b>	<b>3,125</b>	<b>1</b>

TABLE No. 68

*Villages Electrified in various Population Groups 1971 Census  
& Rural Population Benefited by Electricity*  
Regionwise/Statewise as on 31st March, 1981.

Region	State/U.Ts.	Total No. of Villages	VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS		
			Below 500	500—999	1000—1999
<i>Northern Region</i>	Haryana . . . . .	6,731	2,018	1,909	1,673
	Himachal Pradesh . . . . .	16,916	9,073	715	216
	Jammu & Kashmir (+) . . . . .	6,503	2,638	1,299	611
	Punjab . . . . .	12,188	5,136	3,577	2,392
	Rajasthan . . . . .	33,305	7,427	4,069	2,504
	Uttar Pradesh (+) . . . . .	1,12,561	20,267	11,820	7,177
	Chandigarh . . . . .	26	8	10	7
	Delhi . . . . .	243	43	53	79
	<b>SUB—TOTAL . . . . .</b>	<b>1,88,473</b>	<b>46,610</b>	<b>23,452</b>	<b>14,659</b>
<i>Western Region</i>	Gujarat . . . . .	18,275	2,899	3,847	3,689
	Madhya Pradesh . . . . .	70,883	11,801	7,426	4,847
	Maharashtra (+) . . . . .	35,778	8,350	8,690	7,012
	Goa, Daman & Diu . . . . .	409	107	75	84
	Dadra & Nagar Haveli . . . . .	72	13	12	22
	<b>SUB—TOTAL . . . . .</b>	<b>1,25,417</b>	<b>23,170</b>	<b>20,050</b>	<b>15,654</b>
<i>Eastern Region</i>	Biher (+) . . . . .	67,566	8,067	5,644	4,546
	Orissa . . . . .	46,992	9,545	5,719	2,791
	West Bengal . . . . .	38,074	3,918	4,007	3,751
	Andaman & Nicobar Islands . . . . .	390	67	25	18
	Sikkim (+) . . . . .	405(**)	34	26	5
	<b>SUB—TOTAL . . . . .</b>	<b>1,53,427</b>	<b>21,631</b>	<b>15,421</b>	<b>11,111</b>
<i>Southern Region</i>	Andhra Pradesh (+) . . . . .	27,221	2,838	3,971	5,632
	Karnataka . . . . .	26,826	6,227	4,926	3,641
	Kerala . . . . .	1,268	4	2	16
	Tamil Nadu . . . . .	15,735	2,843	3,414	4,544
	Pondicherry . . . . .	333	162	85	57
	Lakshadweep . . . . .	10	..	..	1
	<b>SUB—TOTAL . . . . .</b>	<b>71,393</b>	<b>12,074</b>	<b>12,398</b>	<b>13,891</b>
<i>North Eastern Region</i>	Assam (+) . . . . .	21,995	2,970	1,545	869
	Manipur (+) . . . . .	1,949	98	81	89
	Meghalaya (+) . . . . .	4,583	526	128	40
	Nagaland . . . . .	960	182	97	72
	Tripura . . . . .	4,727	659	194	92
	Arunachal Pradesh . . . . .	2,973	264	31	18
	Mizoram . . . . .	229	9	4	3
	<b>SUB—TOTAL . . . . .</b>	<b>37,416</b>	<b>4,708</b>	<b>2,080</b>	<b>1,183</b>
<b>TOTAL (ALL INDIA)</b>		<b>5,76,126</b>	<b>1,08,193</b>	<b>73,401</b>	<b>56,498</b>

NOTE : \*\*The revenue block has been reckoned as the smallest administrative unit by the census authority.

TABLE No. 68—Contd.

State/U.T.s.	VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS			
	2000—4999	5000—9999	10000 & above above	Total electrified as on 31-3-1981
Haryana . . . . .	975	148	8	6,731
Himachal Pradesh . . . . .	44	2	..	10,050
Jammu & Kashmir (+) . . . . .	166	7	..	4,721
Punjab . . . . .	940	79	2	12,126(£)
Rajasthan . . . . .	1,015	90	10	15,115
Uttar Pradesh (+) . . . . .	2,795	293	20	42,372
Chandigarh . . . . .	..	..	..	26
Delhi . . . . .	60	6	2	245
<b>SUB—TOTAL</b> . . . . .	<b>5,995</b>	<b>626</b>	<b>42</b>	<b>91,384</b>
Gujarat . . . . .	1,817	247	16	12,515
Madhya Pradesh . . . . .	12,33	87	6	25,400
Maharashtra (+) . . . . .	3,008	490	75	27,625
Goa, Daman & Diu . . . . .	77	23	2	368
Dadra & Nagar Haveli . . . . .	5	..	..	52
<b>SUB—TOTAL</b> . . . . .	<b>6,140</b>	<b>847</b>	<b>99</b>	<b>65,960</b>
Bihar (+) . . . . .	2,724	458	75	21,514
Orissa . . . . .	728	19	2	18,804
West Bengal . . . . .	2,233	313	41	14,263
Andaman & Nicobar Islands . . . . .	1	..	..	111
Sikkim (+) . . . . .	2	..	..	67
<b>SUB—TOTAL</b> . . . . .	<b>5,688</b>	<b>790</b>	<b>118</b>	<b>54,759</b>
Andhra Pradesh (+) . . . . .	4,598	710	80	17,829
Karnataka . . . . .	1758	232	9	16,793
Kerala . . . . .	122	316	808	1,268
Tamil Nadu . . . . .	3,893	752	140	15,586
Pondicherry . . . . .	26	3	..	333
Lakshadweep . . . . .	6	2	..	9
<b>SUB—TOTAL</b> . . . . .	<b>10,403</b>	<b>2,035</b>	<b>1,037</b>	<b>51,818</b>
Assam (+) . . . . .	232	11	..	5,627
Manipur (+) . . . . .	60	6	..	334
Meghalaya (+) . . . . .	6	..	..	700
Nagaland . . . . .	15	1	..	367
Tripura . . . . .	40	1	..	986
Arunachal Pradesh . . . . .	3	..	..	316
Mizoram . . . . .	19	1	..	36
<b>SUB—TOTAL</b> . . . . .	<b>375</b>	<b>20</b>	<b>..</b>	<b>8,366</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>28,601</b>	<b>4,298</b>	<b>1,296</b>	<b>2,72,287</b>

NOTE:—(+)Populationwise break up estimated.

(£) 62 villages have been declared un-inhabited.



TABLE No. 68—Contd.

State/U T.S.	%electrified	Villages electrified during 1980-81	Total Population@ (lakhs)	Rural population benefited (lakhs)	%age benefited.
Haryana . . . . .	100.0	..	82.64	82.64	100.0
Himachal Pradesh . . . . .	59.4	1,129	32.19	23.44	72.8
Jammu & Kashmir . . . . .	72.6	169	37.59	25.89*(a)	68.7
Punjab . . . . .	100.0	..	103.35	103.35	100.0
Rajasthan . . . . .	45.4	1,284	212.22	130.18	61.3
Uttar Pradesh . . . . .	37.6	3,795	759.53	365.49	48.1
Chandigarh . . . . .	100.0	..	0.24	0.24	100.0
Delhi . . . . .	100.0	..	4.19	4.19	100.0
<b>SUB-TOTAL . . . . .</b>	<b>48.5</b>	<b>6,377</b>	<b>1231.95</b>	<b>735.42</b>	<b>59.7</b>
Gujarat . . . . .	68.5	1,648	192.01	158.37	82.5
Madhya Pradesh . . . . .	35.8	3,350	348.69	190.24	54.6
Maharashtra . . . . .	77.2	2,168	347.01	312.10	89.9
Goa, Daman & Diu . . . . .	90.0	13	6.31	6.25	99.0
Dadra & Nagar Haveli . . . . .	72.2	..	0.74	0.61	82.4
<b>SUB-TOTAL . . . . .</b>	<b>52.6</b>	<b>7,179</b>	<b>894.76</b>	<b>667.57</b>	<b>74.6</b>
Bihar . . . . .	31.8	2,069	507.19	224.90(b)	44.3
Orissa . . . . .	40.0	1,573	200.99	125.69	62.5
West Bengal . . . . .	37.5	1,400	333.45	185.75	55.7
Andaman & Nicobar Islands . . . . .	28.5	22	0.89	0.60	67.4
Sikkim . . . . .	16.5	14	1.90	0.48	25.3
<b>SUB-TOTAL . . . . .</b>	<b>35.7</b>	<b>5,078</b>	<b>1,044.42</b>	<b>537.42</b>	<b>51.5</b>
Andhra Pradesh . . . . .	65.5	1,394	351.00	331.39	94.4
Karnataka . . . . .	62.6	527	221.77	172.20	77.7
Kerala . . . . .	100.0	..	178.81	178.81	100.0
Tamil Nadu . . . . .	99.1	36	287.34	286.73	99.8
Pondicherry . . . . .	100.0	..	2.73	2.73	100.0
Lakshadweep . . . . .	90.0	..	0.318	0.317	99.7
<b>SUB-TOTAL . . . . .</b>	<b>72.6</b>	<b>1,957</b>	<b>1,041.97</b>	<b>972.18</b>	<b>93.3</b>
Assam . . . . .	25.6	1,401	133.36	53.52	40.1
Manipur . . . . .	17.1	12	9.31	5.54	59.5
Meghalaya . . . . .	15.3	154	8.65	2.82	32.6
Nagaland . . . . .	38.2	47	4.65	2.61	36.1
Tripura . . . . .	20.9	220	13.94	7.93	56.9
Arunachal Pradesh . . . . .	10.6	53	4.50	1.10	24.4
Mizoram . . . . .	15.7	10	2.95	0.70	23.7
<b>SUB-TOTAL . . . . .</b>	<b>22.4</b>	<b>1,897</b>	<b>177.36</b>	<b>74.22</b>	<b>41.8</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>47.3</b>	<b>22,488</b>	<b>4,390.46</b>	<b>2,986.81</b>	<b>68.0</b>

NOTE — \*Figure Provisional

(a) As on 31-12-79

(b) As on 30-4-80

TABLE NO. 69

*Irrigation Pumpsets Energised*  
Regionwise/Statewise as on 31st March, 1981

Region	State/Uts	No. of Pumpsets energised	Agricultural Consumption	
			Quantum (GWH)	% to total consumption in the State
<i>Northern Region</i>	Haryana . . . . .	2,25,461	953.77	37.32
	Himachal Pradesh . . . . .	1,725	5.77	2.07
	Jammu & Kashmir . . . . .	1,026	25.10	5.71
	Punjab . . . . .	2,83,246	1,849.75	37.02
	Rajasthan . . . . .	2,08,077	1,009.11	34.38
	Uttar Pradesh . . . . .	4,02,865	2,791.67	35.58
	Chandigarh . . . . .	534	1.06	0.62
	Delhi . . . . .	12,254	15.00	0.65
	<b>SUB-TOTAL</b> . . . . .	<b>1135188</b>	<b>6,651.23</b>	<b>30.89</b>
<i>Western Region</i>	Gujarat . . . . .	2,31,226	1,333.99	17.63
	Madhya Pradesh . . . . .	3,16,988	344.87	7.55
	Maharashtra . . . . .	6,68,058	1,724.37	12.28
	Goa, Daman & Diu . . . . .	2,033	2.87	1.14
	D & N Haveli . . . . .	235	..	..
		<b>SUB-TOTAL</b> . . . . .	<b>12,18,540</b>	<b>3,406.10</b>
<i>Eastern Region</i>	Bihar . . . . .	1,59,732	434.63	11.57
	Orissa . . . . .	16,194	58.73	2.37
	West Bengal . . . . .	24,886	72.37	1.27
	A & N Islands . . . . .	1	—	..
	Sikkim . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	<b>2,00,813</b>	<b>565.73</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	4,46,493	977.13	19.21
	Karnataka . . . . .	3,08,719	392.97	7.61
	Kerala . . . . .	91,389	79.80	2.90
	Tamil Nadu . . . . .	9,19,162	2,366.66	27.53
	Pondicherry . . . . .	7,836	42.02	27.63
	Lakshadweep . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	<b>17,73,599</b>	<b>3,858.58</b>
<i>North Eastern Region</i>	Assam . . . . .	1,888	4.00	0.66
	Manipur . . . . .	10	0.93	8.54
	Meghalaya . . . . .	47	0.01	0.02
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	368	2.45	8.32
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	<b>2,313</b>	<b>7.39</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>43,30,453</b>	<b>14,489.03</b>	<b>17.59</b>

TABLE No. 69—Contd.

State/U. Ts	Agricultural connected load (KW)	Average Capacity per Pumpset (KW)	Average consumption per pumpset (KWH)	Consumption per unit of connected load (KWH/KW)
Haryana . . . . .	10,34,172	4.59	4,230	922
Himachal Pradesh . . . . .	25,174	14.59	3,345	229
Jammu & Kashmir . . . . .	18,864	18.39	24,464	1,331
Punjab . . . . .	10,33,540	3.65	6,531	1,790
Rajasthan . . . . .	10,00,563	4.81	4,850	1,008
Uttar Pradesh . . . . .	18,92,147	4.70	6,930	1,475
Chandigarh . . . . .	1,682	3.15	1,985	630
Delhi . . . . .	..	..	1,224	..
<b>SUB-TOTAL . . . . .</b>	<b>50,06,142</b>	<b>4.41</b>	<b>5,859</b>	<b>1,329</b>
Gujarat . . . . .	15,02,001	6.50	5,769	888
Madhya Pradesh . . . . .	9,09,030	2.87	1,088	379
Maharashtra . . . . .	22,60,376	3.38	2,581	763
Goa, Daman & Diu . . . . .	11,231	5.52	1,412	256
D & N Haveli . . . . .	350	1.49	..	..
<b>SUB-TOTAL . . . . .</b>	<b>46,82,988</b>	<b>3.84</b>	<b>2,795</b>	<b>727</b>
Bihar . . . . .	4,96,057	3.11	2,721	876
Orissa . . . . .	72,755	4.49	3,627	807
West Bengal . . . . .	1,42,472	5.73	2,908	508
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>7,11,284</b>	<b>3.54</b>	<b>2,817</b>	<b>795</b>
Andhra Pradesh . . . . .	16,79,381	3.76	2,188	582
Karnataka . . . . .	10,37,346	3.36	1,273	379
Kerala . . . . .	2,62,103	2.87	873	304
Tamil Nadu . . . . .	30,33,143	3.30	2,575	780
Pondicherry . . . . .	29,000	3.70	5,362	1,449
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>60,40,973</b>	<b>3.41</b>	<b>2,176</b>	<b>639</b>
Assam . . . . .	45,346	24.02	2,119	88
Manipur . . . . .	..	..	93,000	..
Meghalaya . . . . .	734	15.62	212	14
Nagaland . . . . .	1,720	4.67	6,658	1,424
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>47,800</b>	<b>20.67</b>	<b>3,195</b>	<b>155</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>164,89,187</b>	<b>3.81</b>	<b>3,346</b>	<b>879</b>

**PERCENTAGE OF VILLAGES ELECTRIFIED IN THE COUNTRY  
AS ON 31st. MARCH, 1981**

