



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

# **PUBLIC ELECTRICITY SUPPLY ALL INDIA STATISTICS**

**GENERAL REVIEW  
1981-82**

*Compiled by*

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



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## 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 the electricity supply industry in the country.

The Review has been divided into ten sections. Section I gives brief details of the undertakings responsible for generation, transmission and distribution of power. Sections II & III furnish particulars of generating capacity and generation classified by prime motive power *i.e.* thermal, hydro and nuclear. Similar details in respect of captive plants are available in Section IV. The details of electric power supply and system losses in the country have been shown in Section V, and the operating data like consumption of fuel, peak demand, etc. have been dealt with in Section VI. Particulars of distribution and transmission lines are available in Section VII. The details of total energy sold to the different categories of consumers are given in Section VIII and the particulars regarding total number of consumers and their connected load are shown in Section IX. The urban and rural electrification statistics showing towns and villages electrified and the irrigation pumpsets energised upto 31-3-1982 are furnished in Section X.

A comprehensive picture of the progress achieved by the electricity supply industry in each of the States and Union Territories in the country, during the year 1981-82, has been sought to be presented in this publication. Keeping in view the relevance and importance of this publication, the necessity of its timely issue hardly needs any emphasis. We, however, are unable to fulfil the target of timely issue of this All India Publication, mainly due to delay in receipt of data from some of the large State Electricity Boards/Electricity Undertakings despite our efforts.

It may not be out of place to mention that in some cases, the data supplied were inadequate and found to be inconsistent with the figures furnished for the previous year. In such cases, approximate computation had to be resorted to in order to avoid further delay in the publication.

During the year under review, considerable progress was made as compared to the previous year. Addition to generating capacity touched an all time record of 2176.60 MW and the total installed capacity increased to 35781.20 MW (32345.09 MW in public utilities and 3436.11 MW in non-utilities) at the end of 1981-82. This represents a growth of 7.40% in installed capacity over the previous year. The era of super thermal stations started during this year. The first unit of 210 MW of the super thermal power station of Singrauli was synchronised during the year 1981-82.

The year 1981-82 was also good as compared to previous year in regard to electricity generation by public utilities which witnessed an increase of 10.04%. This could be achieved mainly by better utilisation of steam power stations which produced 13.23% more energy as compared to the previous year.

Electricity sales to various consumers by public utilities during the year increased by 9.56% over the previous year. The maximum consumption of electricity was in the industrial sector being 58.80% of the total sales. Agriculture sector continued to occupy the second position by recording a consumption of 16.84% of total electricity sales.

Providing of electricity is one of the key factors for economic upliftment of the society. More and more new consumers were given electricity supply. During the year under review, a total of 2.813 million new consumers were provided electricity thus increasing the total number of consumers to 35.384 million consumers of all categories having total connected load of 65611 MW. The per capita consumption of electricity during the year increased to 141.27 Kwh from 132.34 Kwh during 1980-81.

The emphasis on electrification of rural areas continued during the year. The total number of villages electrified at the end of the year were 296505 (representing 51.5% of the total villages in the country) as compared to 272287 villages electrified at the end of previous year which represented 47.3% of total villages.

The transmission and distribution network was further augmented by adding new T&D lines and transformers. The total length of T&D lines increased to 2693086 Ckt. Kms. from 2522461 Ckt. Kms. during the year 1981-82. The overall percentage of electricity lost in transmission and distribution was 20.71% as compared to 20.56% during the year 1980-81. The T&D losses are almost stationary around 20% for the last decade inspite of efforts to improve supply system mainly because of inadequacies of the system and undertaking of extensive rural electrification.

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(ii)

The C.E.A. is grateful to the various Governments of the States and Union Territories, State Electricity Boards, other electricity supply authorities both in public as well as in the private sector for the supply of essential data for compilation of this publication.

Every effort has been made to ensure accuracy of the material in this publication but C.E.A. does not accept any responsibility for any error 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 PDB&I Directorate in compilation of this comprehensive publication.

July, 1984,  
NEW DELHI.

A.N. SINGH  
Chairman  
Central Electricity Authority

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SECTION I

**Organisational Structure of  
Electricity Supply Industry in India**



## 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 excepts, Sikkim, Manipur, Nagaland and Tripura have State Electricity Boards. During the year 1981-82 one Municipal Licensee was taken over by the Gujarat State Electricity Board and one new Private licensee (Rural Co-operative Society) was formed in Tamil Nadu State. Thus there were in all 31 private licensees and 16 Municipal Licensees operative at the end of the year 1981-82. Out of 31 Private licensees 18 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 Electricity Board Chandigarh . . . . .	1-4-1967
2	Himachal Pradesh . . . . .	Himachal Pradesh S.E.B. Simla . . . . .	31-8-1971
3	Jammu & Kashmir . . . . .	Jammu & Kashmir S.E.B. Jammu/Srinagar . . . . .	5-9-1972
4	Punjab . . . . .	Punjab S.E.B. Patiala . . . . .	1-2-1959
5	Rajasthan . . . . .	Rajasthan S.E.B. Jaipur . . . . .	1-7-1957
6	Uttar Pradesh . . . . .	Uttar Pradesh S.E.B. Lucknow . . . . .	1-4-1959
<i>Western Region</i>			
7	Gujarat . . . . .	Gujarat Elec. 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 Elec. 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. Bhubaneswar . . . . .	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/ Union Territories*

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 Govt.
9	Bhakra Beas Management Board	Chandigarh	Punjab, Haryana & Rajasthan Govts.
10	Machkund Hydro Electric Project	Vishakapatnam**	Andhrapradesh/Orissa Governments
11	Tungabhadra Hydro Electric Scheme, Tungabhadra Board.	Ballery Distt. Karnataka	Andhra Pradesh/Karnataka Govts.
<i>(B) State Electricity Departments</i>			
1	Manipur	Imphal	State Government
2	Nagaland	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*	Silvassa	
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	Number of Companies			Total
		Generating & Distributing	Generating Purchasing & Distributing	Purchasing & Distributing	
<i>(A) Northern Region</i>					
1	Rajasthan . . . . .	..	..	1	1
2	Uttar Pradesh . . . . .	..	..	1	1
TOTAL NORTHERN REGION . . . . .		..	..	2	2
<i>(B) Western Region</i>					
1	Gujarat . . . . .	..	2	1	3
2	Madhya Pradesh . . . . .	..	..	3	3
3	Maharashtra . . . . .	..	1	9	10
TOTAL WESTERN REGION . . . . .		..	3	13	16
<i>(C) Southern Region</i>					
1	Andhra Pradesh . . . . .	..	..	3	3
2	Karnataka . . . . .	..	..	1	1
3	Kerala . . . . .	..	..	1	1
4	Tamil Nadu . . . . .	..	..	1	1
TOTAL SOUTHERN REGION . . . . .		..	..	6	6
<i>(D) Eastern Region</i>					
1	Bihar . . . . .	..	..	1	1
2	Orissa . . . . .	..	..	1	1
3	West Bengal . . . . .	..	4	1	5
TOTAL EASTERN REGION . . . . .		..	4	3	7
<i>(E) North Eastern Region . . . . .</i>					
TOTAL (ALL INDIA) . . . . .		..	7	24	31

TABLE No. 4  
Distribution of Municipal Undertakings

Sl. No.	Region/State	Number of Municipalities			Total
		Generating & Distributing	Generating Distri- buting & Purchasing	Purchasing & 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 . . . . .	..	..	3	3
2	Maharashtra . . . . .	..	..	4	4
TOTAL WESTERN REGION		..	..	7	7
<i>(C) Southern Region</i>					
1	Kerala . . . . .	..	..	1	1
2	Tamil Nadu . . . . .	..	..	5	5
TOTAL SOUTHERN REGION		..	..	6	6
<i>(D) Eastern Region</i>					
TOTAL (ALL INDIA)		..	1	15	16

**TABLE No. 5**  
*Acquisition of Electricity Supply Undertaking During 1981-82*

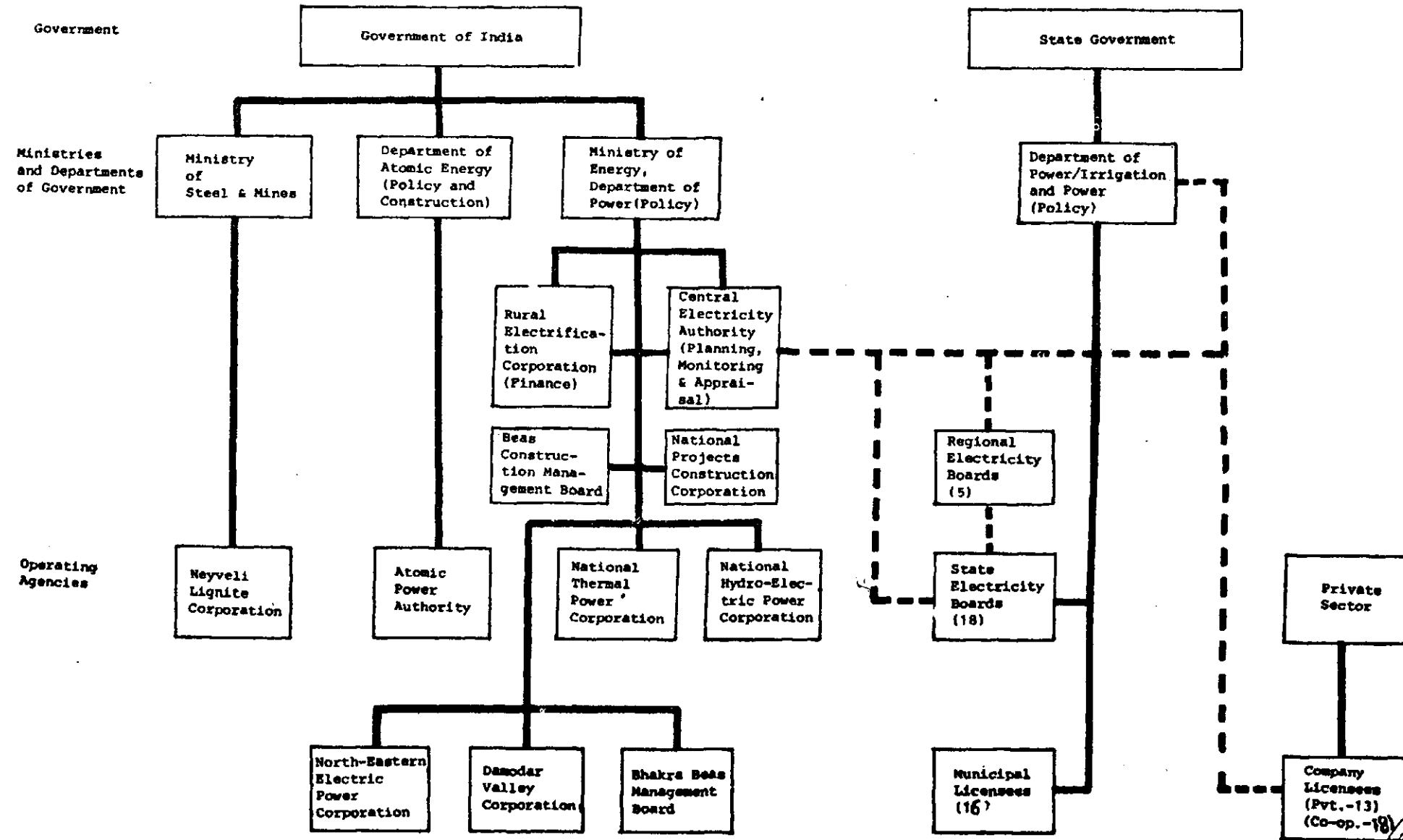
Name of the Undertaking	Prior Ownership	Date of Acquisition	By whom acquired
<b>(A) GENERATING, PURCHASING &amp; DISTRIBUTING</b>			
<i>(a) Western Region</i>			
1 Patan . . . . .	Municipality	30-6-81	Gujarat Electricity Board

**TABLE No. 6**

*New Electricity Supply undertakings started Operating during the year 1981-82*

1 Kumbakonam Rural Electric Co-operative Society Limited	Kumbakonam, Tamil Nadu.
Date of issue of License	: Year 1981-82

## 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 32345.09 MW as on 31st March, 1982 as compared to 30213.68 MW as on 31st March, 1981, registering an increase of 7.07% 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 2131.41 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 57.80%, 37.63%, 2.66%, 1.36% and 0.55% respectively.

There were 98 steam stations and 165 hydro stations having 323 and 522 nos. of generating sets with total capacity of 18695.18 MW and 12172.81 MW respectively as on 31st March, 1982.

Besides power stations of public utilities, generating capacity of captive plants of various industries registered an increase of 11.00% during the year 1981-82. Generating capacity of captive plants increased from 3041.13 MW to 3375.60 MW which comprise of hydro 2.60 MW, steam 2263.67 MW, gas turbine 48.90 MW and 1060.43 MW of diesel generating sets.

In addition to the above, captive plants of 60.51 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 35781.20 MW as on 31st March, 1982.

The various tables in this section give the detailed salient features of the installed generating capacity in the country as on 31st March, 1982.

**TABLE NO. 7**  
*All India Installed Generating Capacity*  
**(UTILITIES AND NON-UTILITIES)**  
Prime mover-wise as on 31st March, 1982

Category	Year	Total	Hydro	Steam	
Utilities	31-3-81	30,213.68	11,791.22	17,122.13	
	31-3-82	32,345.09	12,172.81	18,695.18	
	% increase	7.05	3.24	9.19	
Non-Utilities	Selected Industries (I)	31-3-81	3,041.13	2.61	2,116.55
		31-3-82	3,375.60	2.60	2,263.67
		% increase	11.00	(—) 0.38	6.95
	Railways (II)	31-3-81	61.24	..	19.96
		31-3-82	60.51	..	18.96
		% increase	(—)1.19	..	(—)3.01
	Total Non-Utilities (I+II)	31-3-81	3,102.37	2.61	2,136.51
		31-3-82	3,436.11	2.60	2,282.63
		% increase	10.76	(—)0.38	6.84
	All India Capacity (Utilities + Non-Utilities)	31-3-81	33,316.05	11,793.83	19,258.64
		31-3-82	35,781.20	12,175.41	20,977.81
		% increase	7.40	3.24	8.93

**TABLE NO. 7—Contd.**

Category	Year	Diesel	Gas	Nuclear
Utilities	31-3-81	166.33	274.00	860.00
	31-3-82	178.10	439.00	860.00
	% increase	7.08	60.22	..
Selected Industries (I)	31-3-81	867.70	54.27	..
	31-3-82	1,060.43	48.90	..
	% increase	22.21	(—)9.90	..
Railways (II)	31-3-81	41.28	..	..
	31-3-82	41.55	..	..
	% increase	0.65	..	..
Total Non-Utilities (I+II)	31-3-81	908.98	54.27	..
	31-3-82	1,101.98	48.90	..
	% increase	21.23	(—)9.90	..
All India Capacity (Utility + Non-Utility)	31-3-81	1,075.31	328.27	860.00
	31-3-82	1,280.08	487.90	860.00
	% increase	19.04	48.63	..

**TABLE NO. 8**  
**All India Installed Generating Capacity (Utilities only)**  
 Ownership-wise and Prime mover-wise as on  
 31st March, 1982

Sl. No.	Type of Prime mover and ownership	Installed Plant Capacity (M.W.)	% to total All India	%increase in installed capacity over the previous year
<b>HYDRO</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	10,436.24	32.27	3.16
	(b) Electricity Departments/ Govt. undertakings/ Corporations/ Central Govt. Sector . . . . .	1,451.57	4.48	4.38
	(c) Municipalities . . . . .	..	..	..
	(SUB-TOTAL a+b+c) . . . . .	11,887.81	36.75	3.32
	<i>(d) Private Sector</i>			
	Companies . . . . .	285.00	36.75	3.32
	<b>TOTAL (HYDRO)</b> (a+b+c+d)	<b>12,172.81</b>	<b>37.63</b>	<b>3.24</b>
<b>I. STEAM</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	13,902.85	42.98	7.27
	(b) Electricity Deptts/Govt. Undertakings / Corpns/ Central Govt. Sector . . . . .	3,440.15	10.64	22.44
	(c) Municipalities . . . . .	255.80	0.79	..
	<b>SUB-TOTAL</b> . . . . .	<b>17,598.80</b>	<b>54.41</b>	<b>9.82</b>
	<i>Private Sector</i>			
	Companies . . . . .	1,096.38	3.39	..
	<b>TOTAL (STEAM)</b> . . . . .	<b>18,695.18</b>	<b>57.80</b>	<b>9.19</b>
<b>I. DIESEL</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	103.69	0.32	(-)1.96
	(b) Electricity Deptts/Govt. Undertakings /Corpns/ Central Govt. Sector . . . . .	54.07	0.17	34.27
	(c) Municipalities . . . . .	20.00	0.06	..
	<b>SUB-TOTAL</b> . . . . .	<b>177.76</b>	<b>0.55</b>	<b>7.06</b>
	<i>Private Sector</i>			
	Companies . . . . .	0.34	Neg.	13.33
	<b>TOTAL (DIESEL)</b> . . . . .	<b>178.10</b>	<b>0.55</b>	<b>7.08</b>

TABLE NO. 8—Contd.

Sl. No.	Type of Prime mover and ownership	Installed Plant Capacity (M.W.)	% 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 . . . . .	439.00	1.36	60.22
	(b) Electricity Depts /Govt. Undertakings /Corpsn/ Central Govt. Sector . . . . .	..	..	..
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>439.00</b>	<b>1.36</b>	<b>60.22</b>
<i>Private Sector</i>				
	Companies . . . . .	..	..	..
	<b>TOTAL (GAS)</b> . . . . .	<b>439.00</b>	<b>1.36</b>	<b>60.22</b>
<b>V. NUCLEAR</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	..	..	..
	(b) Electricity Depts/Govt. Undertakings/Corpsn/ Central Govt. Sector . . . . .	860.00	2.66	..
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>860.00</b>	<b>2.66</b>	<b>..</b>
<i>Private Sector</i>				
	Companies . . . . .	..	..	..
	<b>TOTAL (NUCLEAR)</b> . . . . .	<b>860.00</b>	<b>2.66</b>	<b>..</b>
<b>VI. GRAND TOTAL (I+II+III+IV+V)</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards (18 Nos.) . . . . .	24,881.78	76.93	6.08
	(b) Electricity Depts: Govt. Undertakings/ Corpsn / Central Govt. Sector (23 Nos.) . . . . .	5,805.79	17.95	13.83
	(c) Municipalities (16 Nos) . . . . .	275.80	0.85	..
	<b>SUB-TOTAL (57 Nos)</b> . . . . .	<b>30,963.37</b>	<b>95.73</b>	<b>7.39</b>
<i>Private Sector</i>				
	Companies (31 Nos.) . . . . .	1,381.72	4.27	Neg.
	<b>TOTAL ALL INDIA (88 Nos.)</b> . . . . .	<b>32,345.09</b>	<b>100.00</b>	<b>7.05</b>

NOTE :—Figures within brackets shows number of undertakings.

**TABLE No. 9**  
**All India Installed Generating Capacity**  
**(UTILITIES ONLY)**  
**Region wise/State wise as on 31st March 1982**

Region	State/U.Ts.	Total		
		31-3-82	31-3-81	% increase
<i>Northern Region</i>	Haryana	1,140.93	1,140.93	..
	Himachal Pradesh	128.02	128.53	(-)-0.40
	Jammu & Kashmir	206.18	206.18	..
	Punjab	1,586.34	1,536.34	3.25
	Rajasthan	810.06	810.22	(-)-0.02
	Uttar Pradesh	3,751.87	3,611.66	3.88
	Chandigarh	2.00	2.00	..
	Delhi	275.80	275.80	..
	Central Sector	1,550.00	1,070.00	44.86
	<b>SUB-TOTAL</b>	<b>9,451.20</b>	<b>8,781.66</b>	<b>7.62</b>
<i>Western Region</i>	Gujarat	2,406.70	2,196.66	9.56
	Madhya Pradesh	1,630.50	1,630.50	..
	Maharashtra	4,322.30	3,992.30	8.27
	Goa, Daman & Diu	..	..	..
	D & N Haveli	..	..	..
	Central Sector	516.00	516.00	..
	<b>SUB-TOTAL</b>	<b>8,875.50</b>	<b>8,335.46</b>	<b>6.48</b>
<i>Eastern Region</i>	Bihar	940.48	941.45	(-)-0.11
	Orissa	1,032.92	922.92	11.92
	West Bengal	1,725.98	1,725.98	..
	D.V.C.	1,631.50	1,421.50	14.77
	A.N. Island	8.76	6.93	26.41
	Sikkim	17.11	3.32	415.36
	Central Sector	..	12.00	..
	<b>SUB-TOTAL</b>	<b>5,356.75</b>	<b>5,034.10</b>	<b>6.41</b>
<i>Southern Region</i>	Andhra Pradesh	2,240.43	2,240.43	..
	Karnataka	1,739.80	1,469.80	18.37
	Kerala	1,011.50	1,011.50	..
	Tamil Nadu	2,539.00	2,329.00	9.02
	Pondicherry	..	..	..
	Lakshadweep	1.96	1.58	24.05
	Central Sector	600.00	600.00	..
	<b>SUB-TOTAL</b>	<b>8,132.69</b>	<b>7,652.31</b>	<b>6.28</b>
<i>North Eastern Region.</i>	Assam	332.78	227.78	46.10
	Manipur	22.79	15.00	51.93
	Meghalaya	133.66	131.16	1.91
	Nagaland	5.12	5.12	..
	Tripura	16.76	15.98	4.88
	Arunachal Pradesh	11.27	10.72	5.13
	Mizoram	6.57	4.39	49.66
		<b>SUB-TOTAL</b>	<b>528.95</b>	<b>410.15</b>
	<b>TOTAL ALL INDIA</b>	<b>32,345.09</b>	<b>30,213.68</b>	<b>7.05</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)**  
**Ownership wise—Region wise, State wise as on**  
**31-3-82**

(IN M.W.)

Region	State/U.Ts.	PUBLIC SECTOR		
		State	Electricity	Boards
		31-3-82	31-3-81	% increase
<i>Northern Region</i>	Haryana . . . . .	1,140.93	1,140.93	..
	Himachal Pradesh . . . . .	128.02	128.53	(—)0.40
	Jammu & Kashmir . . . . .	206.18	206.18	..
	Punjab . . . . .	1,586.34	1,536.34	3.25
	Rajasthan . . . . .	810.06	810.22	(—)0.02
	Uttar Pradesh . . . . .	3,751.87	3,611.66	3.88
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>7,623.40</b>	<b>7,433.86</b>	<b>2.55</b>
<i>Western Region</i>	Gujarat . . . . .	2,079.00	1,869.00	11.24
	Madhya Pradesh . . . . .	1,630.50	1,630.50	..
	Maharashtra . . . . .	3,699.80	3,369.80	9.79
	Goa, Daman & Diu . . . . .	..	..	..
	D & N Haveli . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>7,409.30</b>	<b>6,869.30</b>	<b>7.85</b>
<i>Eastern Region</i>	Bihar . . . . .	920.48	921.45	(—)0.11
	Orissa . . . . .	998.50	888.50	12.38
	West Bengal . . . . .	1,009.46	1,009.46	..
	D.V.C. . . . .	..	..	..
	A & N. Island . . . . .	..	..	..
	Sikkim . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>2,928.44</b>	<b>2,819.41</b>	<b>3.87</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	2,102.50	2,102.50	..
	Karnataka . . . . .	801.20	531.20	50.83
	Kerala . . . . .	1,011.50	1,011.50	..
	Tamil Nadu . . . . .	2,539.00	2,329.00	9.02
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>6,454.20</b>	<b>5,974.20</b>	<b>8.03</b>
<i>North Eastern Region</i>	Assam . . . . .	332.78	227.78	46.10
	Manipur . . . . .	..	..	..
	Meghalaya . . . . .	133.66	131.16	1.91
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	..	..	..
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>446.44</b>	<b>358.94</b>	<b>29.95</b>
	<b>TOTAL ALL INDIA</b> . . . . .	<b>24,881.78</b>	<b>23,455.71</b>	<b>6.08</b>

TABLE NO. 10—Contd.

State/U.Ts.	PUBLIC SECTOR		
	Electricity Deptt/Govt. Undertakings		% increase
	31-3-82	31-3-81	
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	2.00	2.00	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	1,550.00	1,070.00	44.86
<b>SUB-TOTAL</b> . . . . .	<b>1,552.00</b>	<b>1,072.00</b>	<b>44.78</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	34.42	..
West Bengal . . . . .	285.00	285.00	..
D.V.C. . . . .	1,631.50	1,421.50	14.77
A. & N. Island. . . . .	8.76	6.93	26.41
Sikkim . . . . .	17.11	3.32	415.36
Central Sector . . . . .	..	12.00	..
<b>SUB-TOTAL</b> . . . . .	<b>1,996.79</b>	<b>1,783.17</b>	<b>11.98</b>
Andhra Pradesh . . . . .	137.93	137.93	..
Karnataka . . . . .	938.60	938.60	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	1.96	1.58	24.05
Central Sector . . . . .	600.00	600.00	..
<b>SUB-TOTAL</b> . . . . .	<b>1,678.49</b>	<b>1,678.11</b>	<b>0.02</b>
Assam . . . . .	..	..	..
Manipur . . . . .	22.79	15.00	51.93
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	5.12	5.12	..
Tripura . . . . .	16.76	15.98	4.88
Arunachal Pradesh . . . . .	11.27	10.72	5.13
Mizoram . . . . .	6.57	4.39	49.66
<b>SUB-TOTAL</b> . . . . .	<b>62.51</b>	<b>51.21</b>	<b>22.07</b>
<b>TOTAL ALL INDIA</b> . . . . .	<b>5805.79</b>	<b>5,100.49</b>	<b>13.83</b>

TABLE No. 10—(Contd.)

State/U.Ts.	Public Sector		
	Municipalities		
	31-3-82	31-3-81	% Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	..	..	..
Delhi	275.80	275.80	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>275.80</b>	<b>275.80</b>	<b>..</b>
Gujarat	..	..	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</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>275.80</b>	<b>..</b>



TABLE NO. 10 —(Contd.)

State/U.Ts.	Private Sector		
	31-3-82	31-3-81	%Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
Gujarat . . . . .	327.70	327.66	0.01
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	622.50	622.50	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	950.20	950.16	Neg.
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	431.52	431.52	..
D.V.C. . . . .	..	..	..
Andaman & Nicobar Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	431.52	431.52	..
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
Assam . . . . .	..	..	..
Bihar . . . . .	..	..	..
Chhatisgarh . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Madhpradesh . . . . .	..	..	..
Orissa . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
West Bengal . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
<b>TOTAL (ALL INDIA)</b> . . . . .	1,381.72	1,381.68	Neg.

TABLE No. 10—(Contd.)

State/U.Ts.	Public Sector		
	Municipalities		
	31-3-82	31-3-81	% Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	..	..	..
Delhi	275.80	275.80	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>275.80</b>	<b>275.80</b>	<b>..</b>
Gujarat	..	..	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</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	..	..	..
Mizoram	..	..	..
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>275.80</b>	<b>..</b>

TABLE NO. 10 --(Contd.)

State/U.Ts.	Private Sector		
	31-3-82	31-3-81	%Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..
Gujarat . . . . .	327.70	327.66	0.01
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	622.50	622.50	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	950.20	950.16	Neg.
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	431.52	431.52	..
D.V.C. . . . .	..	..	..
Andaman & Nicobar Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	431.52	431.52	..
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> . . . . .	1,381.72	1,381.68	Neg.

TABLE NO. 11  
*Installed Generating Capacity Primemoverwise*  
 UTILITIES ONLY  
 Regionwise/Statewise as on 31 st March, 1982

(in M. W.)

Region	State/U.Ts.	Hydro		
		31-3-82	31-3-81	% Increase
<i>Northern Region</i>	Haryana . . . . .	659.51	659.51	..
	Himachal Pradesh . . . . .	126.52	126.02	0.40
	Jammu & Kashmir . . . . .	176.92	176.92	..
	Punjab . . . . .	1,132.26	1,082.26	4.62
	Rajasthan . . . . .	648.73	648.73	..
	Uttar Pradesh . . . . .	1,220.08	1,219.94	(-)-0.01
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	..	..	..
	Central Sector . . . . .	180.00	120.00	..
	<b>SUB-TOTAL</b>	<b>4,144.02</b>	<b>4,033.38</b>	<b>2.74</b>
<i>Western Region</i>	Gujarat . . . . .	300.00	300.00	..
	Madhya Pradesh . . . . .	193.00	193.00	..
	Maharashtra . . . . .	1,317.30	1,317.30	..
	Goa, Daman & Diu . . . . .	..	..	..
	D & N Haveli . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
		<b>SUB-TOTAL</b>	<b>1,810.30</b>	<b>1,810.30</b>
<i>Eastern Region</i>	Bihar . . . . .	150.00	150.00	..
	Orissa . . . . .	664.42	664.42	..
	West Bengal . . . . .	38.51	38.51	..
	D.V.C. . . . .	104.00	104.00	..
	A & N Island . . . . .	..	..	..
	Sikkim . . . . .	15.05	2.95	410.17
	Central Sector . . . . .	..	12.00	..
	<b>SUB-TOTAL</b>	<b>971.98</b>	<b>971.88</b>	<b>0.01</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	977.93	977.93	..
	Karnataka . . . . .	1,739.80	1,469.80	18.32
	Kerala . . . . .	1,011.50	1,011.50	..
	Tamil Nadu . . . . .	1,369.00	1,369.00	..
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
	<b>SUB-TOTAL</b>	<b>5,098.23</b>	<b>4,828.23</b>	<b>5.59</b>
<i>North Eastern Region</i>	Assam . . . . .	..	..	..
	Manipur . . . . .	0.90	0.60	50.0
	Meghalaya . . . . .	126.71	126.71	..
	Nagaland . . . . .	1.50	1.50	..
	Tripura . . . . .	10.00	10.00	..
	Arunachal Pradesh . . . . .	9.17	8.62	6.38
	Mizoram . . . . .	..	..	..
		<b>SUB-TOTAL</b>	<b>148.28</b>	<b>147.43</b>
	<b>TOTAL ALL INDIA</b>	<b>12,172.81</b>	<b>11,791.22</b>	<b>3.24</b>

TABLE NO. 11—Contd.

State/Uts	STEAM		
	31-3-82	31-3-81	% Increase
Haryana . . . . .	477.50	477.50	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	22.50	22.50	..
Punjab . . . . .	440.00	440.00	..
Rajasthan . . . . .	153.00	153.00	..
Uttar Pradesh . . . . .	2,513.10	2,373.10	(-)-2.32
Chandigarh . . . . .	..	..	..
Delhi . . . . .	255.80	255.80	..
Central Sector . . . . .	930.00	510.00	82.35
<b>SUB-TOTAL</b> . . . . .	<b>4,791.90</b>	<b>4,231.90</b>	<b>13.23</b>
Gujarat . . . . .	2,050.00	1,840.00	11.41
Madhya Pradesh . . . . .	1,437.50	1,437.50	..
Maharashtra . . . . .	2,885.00	2,675.00	6.73
Goa, Daman & Diu . . . . .	..	..	..
D & N Haveli . . . . .	..	..	..
Central Sector . . . . .	96.00	96.00	..
<b>SUB-TOTAL</b> . . . . .	<b>6,468.50</b>	<b>6,048.50</b>	<b>6.94</b>
Bihar . . . . .	778.50	778.50	..
Orissa . . . . .	368.25	258.25	42.59
West Bengal . . . . .	1,561.38	1,561.38	..
D.V.C. . . . .	1,527.50	1,317.50	15.94
A. & N. Islands . . . . .	1.65	1.10	50.00
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>4,237.28</b>	<b>3,916.73</b>	<b>8.18</b>
Andhra Pradesh . . . . .	1,242.50	1,242.50	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	1,170.00	960.00	21.87
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	600.00	600.00	..
<b>SUB-TOTAL</b> . . . . .	<b>3,012.50</b>	<b>2,802.50</b>	<b>7.49</b>
Assam . . . . .	180.00	120.00	50.00
Manipur . . . . .	..	..	..
Meghalaya . . . . .	5.00	2.50	100.00
Mizoram . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>185.00</b>	<b>122.50</b>	<b>51.02</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>18,695.18</b>	<b>17,122.13</b>	<b>9.19</b>

TABLE NO. 11—Contd.

State/Uts	Diesel		
	31-3-82	31-3-81	% Increase
Haryana . . . . .	3.92	3.92	..
Himachal Pradesh . . . . .	1.50	2.51	(—)40.24
Jammu & Kashmir . . . . .	6.76	6.76	..
Punjab . . . . .	14.08	14.08	..
Rajasthan . . . . .	8.33	8.49	(—)1.89
Uttar Pradesh . . . . .	6.19	6.12	1.14
Chandigarh . . . . .	2.07	2.00	..
Delhi . . . . .	20.00	20.00	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>62.78</b>	<b>63.88</b>	<b>(—)1.78</b>
Gujarat . . . . .	2.70	2.66	1.50
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra and Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>2.70</b>	<b>2.66</b>	<b>1.50</b>
Bihar . . . . .	11.98	12.95	(—)7.50
Orissa . . . . .	0.25	0.25	..
West Bengal . . . . .	26.09	26.09	..
D.V.C. . . . .	..	..	..
Andaman and Nicobar Islands . . . . .	7.11	5.83	21.95
Sikkim . . . . .	2.06	0.37	456.76
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>47.49</b>	<b>45.49</b>	<b>4.40</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	1.96	1.58	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1.96</b>	<b>1.58</b>	<b>..</b>
Assam . . . . .	20.28	20.28	..
Manipur . . . . .	21.89	14.40	52.01
Meghalaya . . . . .	1.95	1.95	..
Nagaland . . . . .	3.62	3.62	..
Tripura . . . . .	6.76	5.98	13.04
Arunachal Pradesh . . . . .	2.10	2.10	..
Mizoram . . . . .	6.57	4.39	49.66
<b>SUB-TOTAL</b> . . . . .	<b>63.17</b>	<b>52.72</b>	<b>19.82</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>178.10</b>	<b>166.33</b>	<b>7.08</b>

TABLE NO. 11—Contd.

State/Uts.	Gas		
	31-3-82	31-3-81	% 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 . . . . .	120.00	..	..
Goa, Daman & Diu . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>174.00</b>	<b>54.00</b>	<b>222.22</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 . . . . .	132.50	87.50	51.43
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>132.50</b>	<b>87.50</b>	<b>51.43</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>439.00</b>	<b>274.00</b>	<b>60.22</b>

TABLE NO. 11 *Contd.*

State/U.Ts.	Nuclear		
	31-3-82	31-3-81	% increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	440.00	440.00	..
SUB-TOTAL . . . . .	440.00	440.00	..
Gujarat . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	420.00	420.00	..
SUB-TOTAL . . . . .	420.00	420.00	..
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	..	..	..
D.V.C. . . . .	..	..	..
A. & N. Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
SUB-TOTAL . . . . .	..	..	..
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
SUB-TOTAL . . . . .	..	..	..
Assam . . . . .	..	..	..
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
SUB-TOTAL . . . . .	..	..	..
TOTAL (ALL-INDIA) . . . . .	860.00	860.00	..



TABLE NO. 12

*Installed Generating Capacity of State Electricity Boards Primemoverwise  
As on 31st March 1982*

Region	State/U.Ts.	Hydro		
		31-3-82	31-3-81	% increase
<i>Northern Region</i>	Haryana . . . . .	659.51	659.51	..
	Himachal Pradesh . . . . .	126.52	126.02	0.40
	Jammu & Kashmir . . . . .	176.92	176.92	..
	Punjab . . . . .	1,132.26	1,082.26	4.62
	Rajasthan . . . . .	648.73	648.73	..
	Uttar Pradesh . . . . .	1,220.08	1,219.94	0.01
	<b>SUB-TOTAL</b> . . . . .	<b>3,964.02</b>	<b>3,913.38</b>	<b>1.29</b>
<i>Western Region</i>	Gujarat . . . . .	300.00	300.00	..
	Madhya Pradesh . . . . .	193.00	193.00	..
	Maharashtra . . . . .	1,032.30	1,032.30	..
	<b>SUB-TOTAL</b> . . . . .	<b>1,525.30</b>	<b>1,525.30</b>	<b>..</b>
<i>Eastern Region</i>	Bihar . . . . .	130.00	130.00	..
	Orissa . . . . .	630.00	630.00	..
	West Bengal . . . . .	38.51	38.51	..
	<b>SUB-TOTAL</b> . . . . .	<b>798.51</b>	<b>798.51</b>	<b>..</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	840.00	840.00	..
	Karnataka . . . . .	801.20	531.20	50.83
	Kerala . . . . .	1,011.50	1,011.50	..
	Tamil Nadu . . . . .	1,369.00	1,369.00	..
	<b>SUB-TOTAL</b> . . . . .	<b>4,021.70</b>	<b>3,751.70</b>	<b>7.20</b>
<i>North Eastern Region</i>	Assam . . . . .	..	..	..
	Meghalaya . . . . .	126.71	126.71	..
	<b>SUB-TOTAL</b> . . . . .	<b>126.71</b>	<b>126.71</b>	<b>..</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>10,436.24</b>	<b>10,115.60</b>	<b>3.17</b>

TABLE NO. 12—Contd.

State/U.Ts.	Steam		
	31-3-82	31-3-81	% increase
Haryana . . . . .	477.50	477.50	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	22.50	22.50	..
Punjab . . . . .	440.00	440.00	..
Rajasthan . . . . .	153.00	153.00	..
Uttar Pradesh . . . . .	2,513.10	2,373.10	5.90
SUB-TOTAL . . . . .	3,606.10	3,466.10	4.04
Gujarat . . . . .	1,722.50	1,512.50	13.88
Madhya Pradesh . . . . .	1,437.50	1,437.50	..
Maharashtra . . . . .	2,547.50	2,337.50	8.98
SUB-TOTAL . . . . .	5,707.50	5,287.50	7.94
Bihar . . . . .	778.50	778.50	..
Orissa . . . . .	368.25	258.25	42.59
West Bengal . . . . .	845.00	845.00	..
SUB-TOTAL . . . . .	1,991.75	1,881.75	5.85
Andhra Pradesh . . . . .	1,242.50	1,242.50	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	1,170.00	960.00	21.88
SUB-TOTAL . . . . .	2,412.50	2,202.50	9.54
Assam . . . . .	180.00	120.00	50.00
Meghalaya . . . . .	5.00	2.50	100.00
SUB-TOTAL . . . . .	185.00	122.50	51.02
TOTAL (ALL BOARDS) . . . . .	13,902.85	12,960.35	7.27

TABLE NO. 12—Contd.

State/U.Ts.	DIESEL		
	31-3-82	31-3-81	% increase
Haryana . . . . .	3.92	3.92	..
Himachal Pradesh . . . . .	1.50	2.51	(—)40.24
Jammu & Kashmir . . . . .	6.76	6.76	..
Punjab . . . . .	14.08	14.08	..
Rajasthan . . . . .	8.33	8.49	(—)1.88
Uttar Pradesh . . . . .	6.19	6.12	1.14
SUB-TOTAL . . . . .	40.78	41.88	(—)2.63
Gujarat . . . . .	2.50	2.50	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
SUB-TOTAL . . . . .	2.50	2.50	..
Bihar . . . . .	11.98	12.95	(—)7.49
Orissa . . . . .	0.25	0.25	..
West Bengal . . . . .	25.95	25.95	..
SUB-TOTAL . . . . .	38.18	39.15	(—)2.48
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
SUB-TOTAL . . . . .	..	..	..
Assam . . . . .	20.28	20.28	..
Meghalaya . . . . .	1.95	1.95	..
SUB-TOTAL . . . . .	22.23	22.23	..
TOTAL (ALL BOARDS) . . . . .	103.69	105.76	(—)1.96

TABLE NO. 12—Contd.

State/U.Ts.	GAS		
	31-3-82	31-3-81	% 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>
Gujarat . . . . .	54.00	54.00	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	120.00	..	..
	<b>SUB-TOTAL</b>	<b>174.00</b>	<b>54.00</b>
			<b>222.22</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	100.00	100.00	..
	<b>SUB-TOTAL</b>	<b>100.00</b>	<b>100.00</b>
Andhra Pradesh . . . . .	20.00	20.00	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
	<b>SUB-TOTAL</b>	<b>20.00</b>	<b>20.00</b>
Assam . . . . .	132.50	87.50	51.43
Meghalaya . . . . .	..	..	..
	<b>SUB-TOTAL</b>	<b>132.50</b>	<b>87.50</b>
			<b>51.43</b>
	<b>TOTAL (ALL BOARDS)</b>	<b>439.00</b>	<b>274.00</b>
			<b>60.28</b>

TABLE NO. 12—Contd.

State/U.Ts	TOTAL		
	31-3-82	31-3-81	% increase
Haryana . . . . .	1,140.93	1,140.93	..
Himachal Pradesh . . . . .	128.02	128.53	(—)0.40
Jammu & Kashmir . . . . .	206.18	206.18	..
Punjab . . . . .	1,586.34	1,536.34	3.25
Rajasthan . . . . .	810.06	810.22	(—)0.02
Uttar Pradesh . . . . .	3,751.87	3,611.66	3.88
<b>SUB-TOTAL</b>	<b>7,623.40</b>	<b>7,433.86</b>	<b>2.55</b>
Gujarat . . . . .	2,079.00	1,869.00	11.24
Madhya Pradesh . . . . .	1,630.50	1,630.50	..
Maharashtra . . . . .	3,699.80	3,369.80	9.79
<b>SUB-TOTAL</b>	<b>7,409.30</b>	<b>6,869.30</b>	<b>7.86</b>
Bihar . . . . .	920.48	921.45	0.11
Orissa . . . . .	998.50	888.50	12.38
West Bengal . . . . .	1,009.46	1,009.46	..
<b>SUB-TOTAL</b>	<b>2,928.44</b>	<b>2,819.41</b>	<b>3.87</b>
Andhra Pradesh . . . . .	2,102.50	2,102.50	..
Karnataka . . . . .	801.20	531.20	50.83
Kerala . . . . .	1,011.50	1,011.50	..
Tamil Nadu . . . . .	2,539.00	2,329.00	9.02
<b>SUB-TOTAL</b>	<b>6,454.20</b>	<b>5,974.20</b>	<b>8.03</b>
Assam . . . . .	332.78	227.78	46.10
Meghalaya . . . . .	133.66	131.16	1.91
<b>SUB-TOTAL</b>	<b>466.44</b>	<b>358.94</b>	<b>29.95</b>
<b>TOTAL (ALL BOARDS)</b>	<b>24,881.78</b>	<b>23,455.71</b>	<b>6.08</b>

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

TABLE NO. 13  
Installed Generating Capacity of Electricity Department, Govt. Undertakings, Municipalities & Private Sector

Primemoverwise-Regionwise As on 31-3-82

	OWNERSHIP	TOTAL		
		31-3-82	31-3-81	% Increase
<i>I. Electricity Department/Govt. Undertaking/Corporation/Central Sector :</i>				
<i>Northern Region</i>	Chandigarh	2.00	2.00	..
	Central Sector	1,550.00	1,070.00	44.86
<i>Western Region</i>	Central Sector	516.00	516.00	..
<i>Eastern Region</i>	Bihar	20.00	20.00	..
	Orissa	34.42	34.42	..
	Sikkim	17.11	3.32	415.36
	West Bengal	285.00	285.00	..
	D. V. C.	1,631.50	1,421.50	14.77
	A & N Islands	8.76	6.93	26.41
	Central Sector	..	12.00	..
<i>Southern Region</i>	Andhra Pradesh	137.93	137.93	..
	Karnataka	938.60	938.60	..
	Laskhadweep	1.96	1.58	24.05
	Central Sector	600.00	600.00	..
<i>North Eastern Region</i>	Manipur	22.79	15.00	51.93
	Nagaland	5.12	5.12	..
	Tripura	16.76	15.98	4.88
	Arunachal Pradesh	11.27	10.72	5.13
	Mizoram	6.57	4.39	49.66
	TOTAL (I)	5,805.79	1,500.49	13.83
<i>II. Municipalities :</i>				
<i>Northern Region</i>	Delhi	275.80	275.80	..
<i>Western Region</i>	Gujarat	..	..	..
<i>Eastern Region</i>	West Bengal	..	..	..
	TOTAL (II)	275.80	275.80	..
<i>III. Private Licensees :</i>				
<i>Western Region</i>	Gujarat	327.70	327.66	0.01
	Maharashtra	622.50	622.50	..
<i>Eastern Region</i>	West Bengal	431.52	431.52	..
	TOTAL (III)	1,381.72	61,381.68	Neg.

TABLE NO. 13—Contd.

OWNERSHIP	HYDRO		
	31-3-82	31-3-81	% Increase
<i>I. Electricity Department/Govt. Undertaking/Corporation Central Sector :</i>			
<i>Northern Region</i> . . . . .	Chandigarh . . . . .	..	..
	Central Sector . . . . .	180.00	120.00
			50.00
<i>Western Region</i> . . . . .	Central Sector . . . . .	..	..
<i>Eastern Region</i> . . . . .	Bihar . . . . .	20.00	20.00
	Orissa . . . . .	34.42	34.42
	Sikkim . . . . .	15.05	2.95
			410.17
	West Bengal . . . . .	..	..
	A & N Islands . . . . .	..	..
	Central Sector . . . . .	..	12.00
	D. V. C. . . . .	104.00	104.00
			..
<i>Southern Region</i> . . . . .	Andhra Pradesh . . . . .	137.93	137.93
	Karnataka . . . . .	938.60	938.60
	Lakshdweep . . . . .	..	..
	Central Sector . . . . .	..	..
<i>North Eastern Region</i> . . . . .	Manipur . . . . .	0.90	0.60
	Nagaland . . . . .	1.50	1.50
	Tripura . . . . .	10.00	10.00
	Arunachal Pradesh . . . . .	9.17	8.62
	Mizoram . . . . .	..	..
			..
	TOTAL (I) . . . . .	1,451.57	1,390.62
			4.38
<i>II. Municipalities :</i>			
<i>Northern Region</i> . . . . .	Delhi . . . . .	..	..
<i>Western Region</i> . . . . .	Gujarat . . . . .	..	..
<i>Eastern Region</i> . . . . .	West Bengal . . . . .	..	..
			..
	TOTAL (II) . . . . .	..	..
			..
<i>III Private Licensees :</i>			
<i>Western Region</i> . . . . .	Gujarat . . . . .	..	..
	Maharashtra . . . . .	285.00	285.00
			..
<i>Eastern Region</i> . . . . .	West Bengal . . . . .	..	..
			..
	TOTAL (III) . . . . .	285.00	285.00
			..

TABLE No. 13—Contd.

OWNERSHIP	STEAM			
	31-3-82	31-3-81	% Increase	
<i>I. Electricity Department Govt. Undertaking Corporation Central Sector :</i>				
<i>Northern Region</i> . . . . .	Chandigarh . . . . .	..	..	
	Central Sector . . . . .	930.00	510.00	82.35
<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. . . . .	1,527.50	1,317.50	15.94
	A & N Islands . . . . .	1.65	1.10	50.00
	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 . . . . .	..	..	..
	TOTAL (I) . . . . .	3,440.15	2,809.60	22.40
<i>II. Municipalities :</i>				
<i>Northern Region.</i> . . . . .	Delhi . . . . .	255.80	255.80	..
<i>Western Region</i> . . . . .	Gujarat . . . . .	..	..	..
<i>Eastern Region</i> . . . . .	West Bengal . . . . .	..	..	..
	TOTAL (II) . . . . .	255.80	255.80	..
<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	431.38	..
	TOTAL (III) . . . . .	1,096.38	1,096.38	..



TABLE No. 13--Contd.

OWNERSHIP	DIESEL			
	31-3-82	31-3-81	% Increase	
<i>I. Electricity Deptt./Govt. Undertaking/Corporation/ Central Sector :</i>				
Northern Region . . . . .	Chandigarh . . . . .	2.00	2.00	..
	Central Sector . . . . .	..	..	..
Western Region . . . . .	Central Sector . . . . .	..	..	..
Eastern Region . . . . .	Bihar . . . . .	..	..	..
	Orissa . . . . .	..	..	..
	Sikkim . . . . .	2.06	0.37	456.76
	West Bengal . . . . .	..	..	..
	D. V. C. . . . .	..	..	..
	A. & N. Islands . . . . .	7.11	5.83	21.96
	Central Sector . . . . .	..	..	..
Southern Region . . . . .	Andhra Pradesh . . . . .	..	..	..
	Karnataka . . . . .	..	..	..
	Lakshadweep . . . . .	1.96	1.58	24.05
	Central Sector . . . . .	..	..	..
North Eastern Region . . . . .	Manipur . . . . .	21.89	14.40	52.01
	Nagaland . . . . .	3.62	3.62	..
	Tripura . . . . .	6.76	5.98	13.04
	Arunachal Pradesh . . . . .	2.10	2.10	..
	Mizoram . . . . .	6.57	4.39	49.66
	TOTAL (I) . . . . .	54.07	40.27	34.77
<i>II. Municipalities :</i>				
Northern Region . . . . .	Delhi . . . . .	20.00	20.00	..
Western Region . . . . .	Gujarat . . . . .	..	..	..
Eastern Region . . . . .	West Bengal . . . . .	..	..	..
	TOTAL (II) . . . . .	20.00	20.00	..
<i>III. Private Licensees :</i>				
Western Region . . . . .	Gujarat . . . . .	0.20	0.16	25.00
	Maharashtra . . . . .	..	..	..
Eastern Region . . . . .	West Bengal . . . . .	0.14	0.14	..
	TOTAL (III) . . . . .	0.34	0.30	13.33

TABLE NO. 13—Contd.

OWNERSHIP	NUCLEAR			
	31-3-82	31-3-81	% increase	
<i>I. Electricity Deptt./Govt. Undertaking Corporation Central Sector :</i>				
<i>Northern Region</i> . . . . .	Chandigarh . . . . .	..	..	..
	Central Sector . . . . .	440.00	440.00	..
<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>860.00</b>	<b>..</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>	<b>..</b>
<i>III. Private Licensees :</i>				
<i>Western Region</i> . . . . .	Gujarat . . . . .	..	..	..
	Maharashtra . . . . .	..	..	..
<i>Eastern Region</i> . . . . .	West Bengal . . . . .	..	..	..
	<b>TOTAL (III)</b> . . . . .	<b>..</b>	<b>..</b>	<b>..</b>

TABLE NO. 14  
Addition in Generation Capacity  
During the year 1981-82  
(UTILITIES ONLY)

## (A) HYDRO

Sl. No.	Installed at	State (Ownership)	Date of Addition	No. of Sets	Capacity of each Set (MW)	Total Capacity (MW)
1.	Shnan Extn.	Punjab (SEB)	31-3-82	1	50.00	50.00
2.	Rukti (unit 3&4)	H. P. (SEB)		2	0.375	0.75
3.	Bairasiul (Unit 3)	H. P. (Central Govt.)	3-9-81	1	60.00	60.00
4.	Kalinadi (Unit 3&4)	Karnataka (SEB)	7-9-81 12-3-82	2	135.00	270.00
5.	Leimkhong	Govt. Deptt. (Manipur)	N.A.	1	0.30	0.30
6.	Daporijo & Roing	Govt. Deptt. (Arunachal Pradesh)	N.A.	2	{ 1 × 0.30 & 1 × 0.25 }	0.55
TOTAL (HYDRO)				9		381.60

NOTE : Total does not include addition in other micro-hydel power. houses.

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.	Singrauli (Unit 1)	U.P. (Central Sector)	14-2-82	1	210.00	210.00
2.	Obra (Unit 13)	U. P. (S. E. B.)	18-3-82	1	200.00	200.00
3.	Badarpur (Unit 5)	Delhi (Central Sector)	25-12-81	1	210.00	210.00
4.	Wanakbori (Unit 1)	Gujarat (S. E. B.)	23-3-82	1	210.00	210.00
5.	Koradi St. III (Unit 6)	Maharashtra (S. E. B.)	30-3-82	1	210.00	210.00
6.	Tuticorin (Unit 3)	Tamil Nadu (S. E. B.)	31-3-82	1	210.00	210.00
7.	Durgapur (Unit 4)	D. V. C.	5-12-81	1	210.00	210.00
8.	Talcher (Unit 5)	Orissa (S. E. B.)	24-3-82	1	110.00	110.00
9.	Bongaigaon (Unit 2)	Assam (S. E. B.)	21-3-82	1	60.00	60.00
10.	Uran Gas * (Unit 1&2)	Maharashtra (S. E. B.)	20-2-82 & 29-3-82	2	60.00	120.00
11.	Lakwa Gas * (Unit 1&2)	Assam (S. E. B.)	27-4-81 & 2-8-81	2	15.00	30.00
2.	Mobile Gas* turbine (Unit 3 to 7)	Assam (S. E. B.)	May, 81, 15-3-82 & 23-3-82	5	3.00	15.00
SUB-TOTAL				18		1795.00
TOTAL (HYDRO+ GAS+ NUCLEAR)				27		2176.60

Note :—Excludes Capacity addition in Diesel Power Station.

\*Gas Stations.

S. E. B. State Electricity Boards.

TABLE NO. 15  
*Addition/Deletion of Plant Capacity*  
 Primemoverwise-Regionwise/Statewise during the year 1981-82

(In MW)				
Region	Name of State/Uts.	Hydro	Steam	Diesel
<i>Northern Region</i>	Haryana	..	..	..
	Himachal Pradesh	0.75	..	(-)-1.01
	Jammu & Kashmir	..	..	..
	Punjab	50.00	..	(-)-0.16
	Rajasthan	..	..	..
	Uttar Pradesh	0.14*	200.00	..
	Central Sector	60.00	420.00	..
	B. B. M. B.	..	..	..
	<b>SUB-TOTAL</b>	<b>110.89</b>	<b>620.00</b>	<b>(-)-1.17</b>
<i>Western Region</i>	Gujarat	..	210.00	..
	Madhya Pradesh	..	..	..
	Maharashtra	..	210.00	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>420.00</b>	<b>..</b>
<i>Eastern Region</i>	Bihar	..	..	(-)-0.97
	Orissa	..	110.00	..
	West Bengal	..	..	..
	D. V. C.	..	210.00	..
	A & N. Islands	..	..	(+)-1.28
	Sikkim	..	..	..
	Central Sector	..	..	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>320.00</b>	<b>(+)-0.31</b>
<i>Southern Region</i>	Andhra Pradesh	..	..	..
	Karnataka	270.00	..	..
	Tamil Nadu	..	210.00	..
	Lakshadweep	..	..	(+)-0.38
	<b>SUB-TOTAL</b>	<b>270.00</b>	<b>210.00</b>	<b>(+)-0.38</b>
<i>North Eastern Region</i>	Assam	..	60.00	..
	Manipur	0.30	..	(+)-7.49
	Meghalaya	..	..	..
	Nagaland	..	..	..
	Tripura	..	..	(+)-0.78
	Arunachal Pradesh	0.55	..	..
	Mizoram	..	..	(+)-2.18
	<b>SUB-TOTAL</b>	<b>0.85</b>	<b>60.00</b>	<b>(+)-10.45</b>
	<b>TOTAL (ALL INDIA)</b>	<b>381.74</b>	<b>1,630.00</b>	<b>(+)-9.97</b>

\*Capacity added in Microhydel Power Station.

TABLE No. 15—Contd.

Name of State/Uts.	Gas	Nuclear	Total			
Haryana . . . . .	..	..	..			
Himachal Pradesh . . . . .	..	..	(-)0.26			
Jammu & Kashmir . . . . .	..	..	..			
Punjab . . . . .	..	..	49.84			
Rajasthan . . . . .	..	..	..			
Uttar Pradesh . . . . .	..	..	200.14			
Central Sector . . . . .	..	..	480.00			
B. B. M. B. . . . .	..	..	..			
<b>Sub-TOTAL</b> . . . . .	..	..	<b>729.72</b>			
Gujarat . . . . .	..	..	210.00			
Madhya Pradesh . . . . .	..	..	..			
Maharashtra . . . . .	120.00	..	330.00			
<b>Sub-TOTAL</b> . . . . .	<b>120.00</b>	..	<b>540.00</b>			
Bihar . . . . .	..	..	(-)0.97			
Orissa . . . . .	..	..	110.00			
West Bengal . . . . .	..	..	..			
D. V. C. . . . .	..	..	210.00			
A. & N. Island . . . . .	..	..	(+)1.28			
Sikkim . . . . .	..	..	..			
Central Sector . . . . .	..	..	..			
<b>Sub-TOTAL</b> . . . . .	..	..	<b>320.31</b>			
Andhra Pradesh . . . . .	..	..	..			
Karnataka . . . . .	..	..	270.00			
Tamil Nadu . . . . .	..	..	210.00			
Lakshadweep . . . . .	..	..	(+)0.38			
<b>Sub-TOTAL</b> . . . . .	..	..	<b>480.38</b>			
Assam . . . . .	45.00	..	105.00			
Manipur . . . . .	..	..	7.79			
Meghalaya . . . . .	..	..	..			
Nagaland . . . . .	..	..	..			
Tripura . . . . .	..	..	0.78			
Arunachal Pradesh . . . . .	..	..	0.55			
Mizoram . . . . .	..	..	2.18			
<b>Sub-TOTAL</b> . . . . .	<b>45.00</b>	..	<b>116.30</b>			
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>165.00</b>	..	<b>2,186.71</b>			
	<b>TOTAL</b>	<b>Hydro</b>	<b>Steam</b>	<b>Diesel</b>	<b>Gas</b>	<b>Nuclear</b>
Cross Addition . . . . .	2186.71	381.74	1630.00	9.97	165.00	..
Deletion/Retirement Reporting Differences . . . . .	(-)60.25	(-)0.25(C)	(-)60.00(A)	..	..	..
	(+)4.95	(-)0.10(D)	(+)3.05(B)	(+)1.80(E)	..	..
<b>Net Additions</b> . . . . .	<b>2,131.41</b>	<b>381.59</b>	<b>1,573.05</b>	<b>11.77</b>	<b>165.00</b>	..

TABLE NO. 15—*Contd.*

## NOTE :—

- (A) Deletion of 32.00 M. W. at Panki, 18.00 M. W. at Agra Fort and 10.00 M. W. at Agra Steam Power Stations in U.P.
- (B) Addition of 2.50 M. W. at Tura (Meghalaya) and 0.55 M. W. at Chetham (A. & N. Islands) Steam Power Station as reporting difference.
- (C) Deletion of 0.20 M. W. at Mehbar and 0.55 M. W. at Jubal (H.P.) Hydro Power Stations.
- (D) Addition of 0.10 M. W. at different Micro Hydel Power Stations in U. P. as reporting difference.
- (E) Addition of 1.80 M. W. at different Diesel Power Stations—Micro Diesel 0.07 M. W. in U. P., Surat 0.04 M. W. in Gujarat and in Sikkim at Gangtok 1.60 M.W. and Magan (0.09 M. W.) as reporting difference.

**TABLE NO. 16**  
*Classification of Undertakings\* Capacitywise*  
 AS on 31-3-1982

Range of installed capacity (MW)	No. of Undertakings	Aggregate Installed capacity of the group (MW)	% to total Installed capacity	Energy generated by the group (GWH)	% to Total Generation
Upto 1.00 . . . . .	2	0.34	Neg.	0.45	Neg.
Over 1.00 and upto 2.00 . . . . .	2	3.96	0.01	1.94	Neg.
Over 2.00 and upto 5.00 . . . . .	..	..	..	..	..
Over 5.00 and upto 10.00 . . . . .	4	28.83	0.09	42.39	0.04
Over 10.00 and upto 15.00 . . . . .	1	11.27	0.04	17.20	0.01
Over 15.00 and upto 25.00 . . . . .	5	94.66	0.29	175.61	0.14
Over 25.00 and upto 50.00 . . . . .	..	..	..	..	..
Over 50.00 and upto 100.00 . . . . .	2	168.00	0.52	436.73	0.36
Over 100.00 and upto 500.00 . . . . .	13	3,453.69	10.69	11,364.90	9.31
Above 500.00 . . . . .	19	28,579.34	88.36	1,10,062.21	90.14
<b>TOTAL</b> . . . . .	<b>48</b>	<b>32,345.09</b>	<b>100.00</b>	<b>1,22,101.43</b>	<b>100.00</b>

Neg. ; Negligible.

\* : Generating.

TABLE NO. 17  
Classification of Power Stations Capacitywise as on 31-3-1982

Range of Installed Station Capacity	No. of Generating Stations	Installed Capacity Group Total (MW)	Percentage of Total Capacity
<i>Hydro Station</i>			
Upto 100 KW	11	0.57	Neg.
Over 100 KW upto 1.00 MW	33	14.27	0.12
Over 1.00 MW upto 2.00 MW	13	20.02	0.16
Over 2.00 MW upto 5.00 MW	10	34.25	0.28
Over 5.00 MW upto 10.00 MW	5	47.30	0.39
Over 10.00 MW upto 15.00 MW	3	38.20	0.32
Over 15.00 MW upto 25.00 MW	10	204.10	1.68
Over 25.00 MW upto 50.00 MW	27	996.85	8.19
Over 50.00 MW upto 100.00 MW	21	1,451.50	11.92
Over 100.00 MW upto 500.00 MW	27	6,114.75	50.23
Above 500.00 MW	5	3,251.00	26.71
<b>TOTAL</b>	<b>165</b>	<b>12,172.81</b>	<b>100.00</b>
<i>Steam Station</i>			
Upto 100 KW	..	..	..
Over 100 KW upto 1.00 MW	1	0.75	Neg.
Over 1.00 MW upto 2.00 MW	2	3.65	0.02
Over 2.00 MW upto 5.00 MW	3	12.00	0.06
Over 5.00 MW upto 10.00 MW	8	68.48	0.37
Over 10.00 MW upto 15.00 MW	10	143.50	0.77
Over 15.00 MW upto 25.00 MW	5	98.20	0.52
Over 25.00 MW upto 50.00 MW	7	231.10	1.24
Over 50.00 MW upto 100.00 MW	13	1,041.00	5.57
Over 100.00 MW upto 500.00 MW	40	10,942.50	58.53
Above 500.00 MW	9	6,154.00	32.92
<b>TOTAL</b>	<b>98</b>	<b>18,695.18</b>	<b>100.00</b>

TABLE NO. 17—Contd.

Range of installed Station capacity	Station	Energy generated by the group (GWH)	Generation % of total	Average plant factor of the group	KWH/KW
<i>Hydro Station</i>					
Upto 100 KW		0.48	Neg.	9.61	842
Over 100 KW upto 1.00 MW		16.58	0.03	13.26	1,162
Over 1.00 MW upto 2.00 MW		38.22	0.08	21.80	1,909
Over 2.00 MW upto 5.00 MW		91.85	0.18	30.62	2,682
Over 5.00 MW upto 10.00 MW		199.17	0.40	48.05	4,209
Over 10.00 MW upto 15.00 MW		160.26	0.32	47.89	4,195
Over 15.00 MW upto 25.00 MW		711.57	1.44	39.79	3,486
Over 25.00 MW upto 50.00 MW		3,885.24	7.84	44.50	3,898
Over 50.00 MW upto 100.00 MW		5,703.61	11.51	44.85	3,929
Over 100.00 MW upto 500.00 MW		2,3472.08	47.36	43.82	3,839
Above 500.00 MW		1,5285.87	30.84	53.68	4,702
<b>TOTAL</b>		<b>49,564.93</b>	<b>100.00</b>	<b>46.48</b>	<b>4,072</b>
<i>Steam Station</i>					
Upto 100 KW		..	..	..	..
Over 100 KW upto 1.00 MW		..	..	..	..
Over 1.00 MW upto 2.00 MW		2.81	Neg.	8.79	770
Over 2.00 MW upto 5.00 MW		6.25	0.01	5.95	521
Over 5.00 MW upto 10.00 MW		130.20	0.19	21.70	1,901
Over 10.00 MW upto 15.00 MW		245.06	0.36	19.50	1,708
Over 15.00 MW upto 25.00 MW		208.70	0.30	24.26	2,125
Over 25.00 MW upto 50.00 MW		633.40	0.92	31.29	2,741
Over 50.00 MW upto 100.00 MW		3,365.93	4.90	36.91	3,283
Over 100.00 MW upto 500.00 MW		39,503.42	57.46	41.21	3,610
Above 500.00 MW		24,651.33	35.86	45.73	4,006
<b>TOTAL</b>		<b>68,747.10</b>	<b>100.00</b>	<b>41.97</b>	<b>3,677</b>



TABLE NO. 18

Classification of sets prime-moverwise-Capacitywise as on 31-3-1982

Range of installed capacity of sets (MW)	HYDRO			STEAM		
	No. of sets	installed capacity (MW)	% to total	No. of sets	Installed capacity	% to total
Upto 100 KW . . . . .	54	4.23	0.03	..	..	..
Over 100 KW and upto 1.00 MW . . . . .	108	41.08	0.34	10	8.40	0.05
Over 1.00 and upto 2.00 . . . . .	11	16.80	0.14	10	15.88	0.08
Over 2.00 and upto 5.00 . . . . .	40	158.50	1.30	50	190.60	1.02
Over 5.00 and upto 10.00 . . . . .	59	483.80	3.97	23	182.95	0.98
Over 10.00 and upto 20.00 . . . . .	76	1,101.15	9.05	37	577.25	3.09
Over 20.00 and upto 30.00 . . . . .	36	899.25	7.39	30	900.00	4.81
Over 30.00 and upto 50.00 . . . . .	54	2,219.00	18.23	27	1,318.60	7.05
Over 50.00 and upto 100.00 . . . . .	67	4,949.00	40.66	62	4,381.50	23.44
Over 100.00 and upto 200.00 . . . . .	17	2,300.00	18.89	57	7,550.00	40.38
Above 200.00 . . . . .	..	..	..	17	3,570.00	19.10
<b>TOTAL</b> . . . . .	<b>522</b>	<b>12,172.81</b>	<b>100.00</b>	<b>323</b>	<b>18,695.18</b>	<b>10.00</b>

TABLE NO. 18—Contd.

Range of Installed Capacity of Sets (MW)	Gas			NUCLEAR		
	No. of Sets	Installed Capacity (MW)	% to total	No. of Sets	Installed Capacity (MW)	% to total
Upto 1.00 . . . . .	..	..	..	..	..	..
Over 1.00 and upto 5.00 . . . . .	7	21.00	4.78	..	..	..
Over 5.00 and upto 10.00 . . . . .	2	20.00	4.56	..	..	..
Over 10.00 and upto 20.00 . . . . .	9	155.00	35.31	..	..	..
Over 20.00 and upto 30.00 . . . . .	5	123.00	28.02	..	..	..
Over 30.00 and upto 50.00 . . . . .	..	..	..	..	..	..
Over 50.00 and upto 100.00 . . . . .	2	120.00	27.33	..	..	..
Over 100.00 and upto 200.00 . . . . .	..	..	..	..	..	..
Above 200.00 . . . . .	..	..	..	4	860.00	100.00
<b>TOTAL</b> . . . . .	<b>25</b>	<b>439.00</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—Voltage wise*  
 As on 31-3-1982

Voltage of Generation	Type of Primemover	No of Sets.	Aggregate Capacity (MW)
<b>ALTERNATING CURRENT</b>			
1. 33 KV . . . . .	STEAM . . . . .	10	330.00
2. 10.5 KV to 13.8 KV . . . . .	HYDRO . . . . .	309	11,777.40
	STEAM . . . . .	238	17,842.70
	GAS . . . . .	25	439.00
	NUCLEAR . . . . .	4	860.00
3. 5 KV to 6.6 KV . . . . .	HYDRO . . . . .	45	284.00
	STEAM . . . . .	41	434.11
4. 2 KV to 3.9 KV . . . . .	HYDRO . . . . .	55	86.91
	STEAM . . . . .	34	88.37
5. 400 Voltage to 460 Voltage . . . . .	HYDRO . . . . .	113	24.50
	HYDRO . . . . .	522	12,172.81
	STEAM . . . . .	323	18,695.18
	GAS . . . . .	25	439.00
TOTAL . . . . .	NUCLEAR . . . . .	4	860.00

SECTION III  
**Generation (Utilities)**

## GENERATION

The All India gross electricity generation by the public utilities was 122101.43 GWH during the year 1981-82 as compared to 110843.96 GWH during 1980-81 thereby registering an increase of 10.16% 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 56.30%, 40.60%, 0.06%, 0.57% and 2.47% respectively during the year 1981-82.

There were 98 steam stations and 165 Hydro Stations existing in the country as on 31st March, 1982 generating 68747.10 GWH and 49564.93 GWH respectively. B.B.M.B. complex the biggest of all the systems resulted in the maximum electricity production of 10431.77 GWH during the year.

Besides electricity generation by the Public Utilities, during the year under review captive plants of selected industries produced 8978.96 GWH comprising of 7737.33 GWH from Steam, 18.24 GWH from Hydro 1129.15 GWH from Diesel and 94.24 GWH from Gas Turbine plants respectively. Apart from the above, Electricity Generation from captive plants of Railways was 44.73 GWH which comprised of 31.73 GWH from Steam and 13.00 GWH from Diesel plants respectively.

To sum up, total electricity production in the country including that from captive plants during the year 1981-82 was 131125.12 GWH as compared to 119260.01 GWH during the year 1980-81 recording an increase of 9.95%.

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

TABLE NO. 20  
Gross Energy Generation in the Country  
(UTILITIES AND NON-UTILITIES)  
Prime Moverwise during the year 1981-82

Category		Year	Total	Hydro	Steam
Utilities		1981-82	1,22,101.43	49,564.93	68,747.10
		1980-81	1,10,843.96	46,541.76	60,713.78
		% increase	10.16	6.50	13.23
Non-Utilities	Selected Industries (I)	1981-82	8,978.96	18.24	7,737.33
		1980-81	8,373.63	15.06	7,202.77
		% increase	7.23	21.12	7.42
	Railways (II)	1981-82	44.73	..	31.73
		1980-81	42.42	..	28.84
		% increase	5.45	..	10.02
	Total Non-Utilities (I+II)	1981-82	9,023.69	18.24	7,769.06
		1980-81	8,416.05	15.06	7,231.61
		% increase	7.22	21.11	7.43
All India	1981-82	1,31,125.12	49,583.17	76,516.16	
Gross Generation (Utilities + Non-utilities)	1980-81	1,19,260.01	46,556.82	67,945.39	
	% increase	9.95	6.50	12.61	

TABLE NO. 20—Contd.

Category		Year	Diesel	Gas	Nuclear
Utilities		1981-82	69.25	699.26	3,020.89
		1980-81	65.08	522.00	3,001.34
		% increase	6.41	33.96	0.65
Selected Industries (I)		1981-82	1,129.15	94.24	..
		1980-81	1,053.98	101.82	..
		% increase	7.13	(-)-7.45	..
Railways (II)		1981-82	13.00	..	..
		1980-81	13.58	..	..
		% increase	(-)-4.27	..	..
Total Non-Utilities (I) + (II)		1981-82	1,142.15	9.24	..
		1980-81	1,067.56	101.82	..
		% increase	6.99	(-)-7.45	..
All India Gross Generation (Utilities + Non-Utilities)	1981-82	1,211.40	793.50	3,020.89	
	1980-81	1,132.64	623.82	3,001.34	
	% increase	6.95	27.20	0.65	

NOTE : GWH—Million KWH.

**TABLE NO. 21**  
**All India Electricity Generation**  
**(UTILITIES ONLY)**  
**Ownership Wise and Primemoverwise during 1981-82**

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 Board . . . . .	41 965.37	34.37	7.59
	(b) Elec. Deptt./Govt. Undertaking/Corpn./Central Sector . . . . .	6 257.56	5.13	3.13
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	48 222.93	39.50	6.99
	<i>Private Sector</i>			
	Companies . . . . .	1 342.00	1.10	(—) 8.71
	<b>TOTAL (HYDRO)</b> . . . . .	49 564.93	40.60	6.50
<b>II. STEAM</b>				
<i>Public Sector</i>				
	(a) State Electricity Boards . . . . .	49 682.57	40.69	13.28
	(b) Elec. Deptt./Govt. Undertakings/Corpn./Central Sector . . . . .	12 381.94	10.14	20.41
	(c) Municipalities . . . . .	1 111.95	0.91	(—) 15.23
	<b>SUB-TOTAL</b> . . . . .	63 176.46	51.74	13.93
	<i>Private Sector</i>			
	Companies . . . . .	5 570.64	4.56	5.91
	<b>TOTAL (STEAM)</b> . . . . .	68 747.10	56.30	13.23
<b>III. DIESEL</b>				
<i>Public Sector</i>				
	(a) State Elec. Boards . . . . .	31.93	0.03	22.76
	(b) Elec. Deptt./Govt. Undertakings/Corpn./Central Sector . . . . .	35.53	0.03	(—) 5.13
	(c) Municipalities . . . . .	1.34	Neg.	3.60
	<b>SUB-TOTAL</b> . . . . .	68.80	0.06	6.44
	<i>Private Sector</i>			
	Companies . . . . .	0.45	Neg.	2.27
	<b>TOTAL (DIESEL)</b> . . . . .	69.25	0.06	6.41

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—PUBLIC SECTOR</b>				
	(a) State Electricity Board . . . . .	699·26	0·57	33·96
	(b) Electricity Deptt./Govt. undertakings/Corpns./Central Sector	..	..	..
	(c) Municipalities . . . . .	..	....	..
	<b>SUB-TOTAL</b> . . . . .	<b>699·26</b>	<b>0·57</b>	<b>33·96</b>
	<i>Private Sector</i>			
	Companies . . . . .	..	..	..
	<b>TOTAL (Gas)</b> . . . . .	<b>699·26</b>	<b>0·57</b>	<b>33·96</b>
<b>V. NUCLEAR—</b>				
	<i>Public Sector</i>			
	(a) State Electricity Boards . . . . .	..	..	..
	(b) Electricity Deptts./Govt. Undertakings/Corpns./Central Sector	3 020·89	2·47	0·65
	(c) Municipalities . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	<b>3 020·89</b>	<b>2·47</b>	<b>0·65</b>
	<i>Private Sector</i>			
	Companies . . . . .	..	..	..
	<b>TOTAL (NUCLEAR)</b> . . . . .	<b>3 020·89</b>	<b>2·47</b>	<b>0·65</b>
<b>VI. GRAND TOTAL (I TO V)</b>				
	<i>Public Sector</i>			
	(a) State Electricity Boards (18 Nos) . . . . .	92 379·13	75·66	10·75
	(b) Electricity Deptts./Govt. Undertakings/Corpns./Central Sector (23 Nos)	21 695·92	17·77	11·90
	(c) Municipalities (16 Nos) . . . . .	1 113·29	0·91	(—) 15·22
	<b>SUB-TOTAL (57 Nos)</b> . . . . .	<b>1 15 188·34</b>	<b>94·34</b>	<b>10·64</b>
	<i>Private Sector</i>			
	Companies (31 Nos) . . . . .	6 913·09	5·66	2·72
	<b>TOTAL (ALL INDIA) (88 Nos)</b> . . . . .	<b>1 22 101·43</b>	<b>100·00</b>	<b>10·16</b>

NOTE : Figures within brackets show number of undertakings.

TABLE NO. 22  
All India Gross Energy Generation  
(UTILITIES ONLY)  
Regionwise/Statewise during 1981-82

(In GWH)

Region	State/UTs	Energy Generation		
		1980-81	1981-82	% increase
Northern Region	Haryana	4 288.75	4 807.55	12.10
	Himachal Pradesh	245.06	431.67	76.14
	Jammu & Kashmir	768.11	784.74	2.16
	Punjab	6 482.95	6 996.80	7.93
	Rajasthan	3,392.94	3,546.16	4.52
	Uttar Pradesh	10,190.39	11,348.03	11.36
	Chandigarh	0.07	0.24	242.86
	Delhi	1,313.17	1,113.29	(-) 15.22
	Central Sector	3,316.61	3,554.69	7.18
	SUB-TOTAL	29 998.05	32 583.17	8.62
Western Region	Gujarat	9 363.32	10 207.44	9.01
	Madhya Pradesh	5 952.12	6,620.41	11.23
	Maharashtra	17,664.09	18,682.02	5.76
	Goa, Daman & Diu	..	..	..
	D. & N. Haveli	..	..	..
	Central Sector	1,973.68	2,139.56	8.40
	SUB-TOTAL	34,953.21	37,649.43	7.71
Eastern Region	Bihar	2,280.70	2,582.72	13.24
	Orissa	3,137.33	33,67.46	7.34
	West Bengal	5,562.68	5,646.64	1.51
	D.V.C.	4,484.61	6,001.14	33.82
	A. & N. Islands	7.67	11.72	52.80
	Sikkim	2.54	30.67	1,107.48
	Central Sector	14.90	..	..
	SUB-TOTAL	15,490.43	17,640.35	13.88
Southern Region	Andhra Pradesh	7,319.45	9 080.78	24.06
	Karnataka	6,391.59	7,187.96	12.46
	Kerala	5,241.63	5,533.30	5.56
	Tamil Nadu	7,371.68	7,831.88	6.24
	Pondicherry	..	..	..
	Lakshadweep	1.30	1.70	30.77
	Central Sector	3,174.60	3,390.65	6.80
	SUB-TOTAL	29,500.25	33,026.27	11.95
North Eastern Region	Assam	464.68	741.16	59.50
	Manipur	25.39	18.26	(-) 28.08
	Meghalaya	352.54	369.66	4.86
	Nagaland	2.33	1.41	(-) 39.48
	Tripura	41.31	51.40	24.43
	Arunachal Pradesh	13.83	17.20	24.37
	Mizoram	1.94	3.12	60.82
	SUB-TOTAL	902.02	1,202.21	33.28
GRAND TOTAL (ALL INDIA)		1,10,843.96	1,22,101.43	10.16

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 1981-82

(In GWH)

Region	State/U.T.s	Public Sector		
		State Electricity	Board	% increase
		1980-81	1981-82	
Northern Region	Haryana	4,288.75	4,807.55	12.10
	Himachal Pradesh	245.06	431.67	76.14
	Jammu & Kashmir	768.11	784.74	2.16
	Punjab	6,482.95	6,996.80	7.93
	Rajasthan	3,392.94	3,546.16	11.36
	Uttar Pradesh	10,190.39	11,348.03	4.52
	Chandigarh	..	..	..
	Delhi	..	..	..
Central Sector	..	..	..	
	SUB-TOTAL	25,368.20	27,914.95	10.04
Western Region	Gujarat	7,860.72	8,605.30	9.47
	Madhya Pradesh	5,952.12	6,620.41	11.23
	Maharashtra	14,178.09	15,105.02	6.54
	Goa, Daman & Diu	..	..	..
	D. & N. Haveli	..	..	..
	Central Sector	..	..	..
	SUB-TOTAL	27,990.93	30,330.73	8.36
Eastern Region	Bihar	2,266.39	2,571.71	13.47
	Orissa	2,918.41(A)	3,159.45	8.19
	West Bengal	3,108.82	3,161.80	1.70
	D. V. C.	..	..	..
	A. & N. Islands	..	..	..
	Sikkim	..	..	..
	Central Sector	..	..	..
	SUB-TOTAL	8,293.62	8,892.96	7.23
Southern Region	Andhra Pradesh	6,572.00	8,386.70	27.60
	Karnataka	1,755.00	2,377.79	35.48
	Kerala	5,241.63	5,533.30	5.56
	Tamil Nadu	7,371.68	7,831.88	6.24
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	Central Sector	..	..	..
	SUB-TOTAL	20,941.29	24,129.67	15.22
North Eastern-Region	Assam	464.60	741.16	59.50
	Manipur	..	..	..
	Meghalaya	352.54	369.66	4.86
	Nagaland	..	..	..
	Tripura	..	..	..
	Arunachal Pradesh	..	..	..
	Mizoram	..	..	..
		SUB-TOTAL	817.22	1,110.82
	TOTAL ALL INDIA	83,411.26	92,379.13	10.75

NOTE : GWH—Million KWH.

(A) includes Balimela projects which has been taken over by Orissa S.E.B. and was in previous years taken under electricity department.

TABLE No. 23—Contd.

State/U.Ts.	Public Sector		
	Elec. Deptt./Govt. Undertaking/Corpn./Central Sector		
	1980-81	1981-82	% increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	0.07	0.24	242.86
Delhi	..	..	..
Central Sector	3,316.61	3,554.69	7.18
<b>SUB-TOTAL</b>	<b>3,316.68</b>	<b>3,554.93</b>	<b>7.18</b>
Gujarat	..	..	..
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	1,973.68	2,139.56	8.40
<b>SUB-TOTAL</b>	<b>1,973.68</b>	<b>2,139.56</b>	<b>8.40</b>
Bihar	14.31	11.01	(-)-23.06
Orissa	218.92	208.01	(-)-3.98
West Bengal	712.43	750.89	5.40
D.V.C.	4,484.61	6,001.14	33.82
Andaman & Nicobar Islands	7.67	11.72	52.80
Sikkim	2.54	30.67	1,107.48
Central Sector	14.90	..	..
<b>SUB-TOTAL</b>	<b>5,455.38</b>	<b>7,013.44</b>	<b>28.56</b>
Andhra Pradesh	746.55	694.08	(-)-4.03
Karnataka	4,636.51	4,810.17	3.74
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	1.30	1.70	30.17
Central Sector	3,174.60	3,390.65	6.80
<b>SUB-TOTAL</b>	<b>8,558.96</b>	<b>8,896.60</b>	<b>3.94</b>
Assam	..	..	..
Manipur	25.39	18.26	(-)-28.08
Meghalaya	..	..	..
Nagaland	2.33	1.41	(-)-39.48
Tripura	41.31	51.40	24.43
Arunachal Pradesh	13.83	17.20	24.37
Mizoram	1.94	3.12	60.82
<b>SUB-TOTAL</b>	<b>84.80</b>	<b>91.39</b>	<b>7.77</b>
<b>TOTAL (ALL INDIA)</b>	<b>19,389.50</b>	<b>21,695.92</b>	<b>11.90</b>

TABLE NO. 23—Contd.

State/U.Ts.	Public Sector		
	Municipalities		
	1980-81	1981-82	% increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	1,313.17	1,113.29	(—)15.22
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,313.17</b>	<b>1,113.29</b>	<b>(—)15.22</b>
Gujarat . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</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 . . . . .	..	..	..
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>1,313.17</b>	<b>1,113.29</b>	<b>(—)15.22</b>

TABLE No. 23—Contd.

State/U. Ts.	Private Sector		
	Companies		
	1980-81	1981-82	% increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	..	..	..
Chandigarh	..	..	..
Delhi	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	..	..	..
Gujarat	1,502.60	1,602.14	6.62
Madhya Pradesh	..	..	..
Maharashtra	3,486.00	3,577.00	2.61
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	4,988.60	5,179.14	3.82
Bihar	..	..	..
Orissa	..	..	..
West Bengal	1,741.43	1,733.95	(—) 4.43
D.V.C.	..	..	..
Andaman & Nicobar Island	..	..	..
Sikkim	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	1,741.43	1,733.95	(—) 0.43
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>	6,730.03	6,913.09	2.72

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)

Prime Moverwise—Regionwise/Statewise during 1981-82

(In GWH)

Region	State/ U.Ts.	Hydro		
		1980-81	1981-82	% Increase
Northern Region	Haryana	2,977.39	3,233.72	8.61
	Himachal Pradesh	244.93	431.63	76.23
	Jammu & Kashmir	763.47	768.02	0.60
	Punjab	5,023.56	5,398.66	7.47
	Rajasthan	2,579.70	2,835.71	9.92
	Uttar Pradesh	3,456.51	3,835.61	10.97
	Chandigarh	..	..	..
	Delhi	..	..	..
	Central Sector	34.00	214.00	529.41
	SUB-TOTAL	15,079.56	16,717.35	10.86
Western Region	Gujarat	888.46	1,139.14	28.21
	Madhya Pradesh	475.06	488.24	2.77
	Maharashtra	6,448.15	6,333.38	(-)-1.78
	Goa, Daman & Diu	..	..	..
	Dadra & Nagar Haveli	..	..	..
	Central Sector	..	..	..
	SUB-TOTAL	7,811.67	7,960.76	1.91
Eastern Region	Bihar	150.74	172.65	14.53
	Orissa	2,393.33	2,581.71	7.87
	West Bengal	56.45	75.62	33.96
	D.V.C.	344.76	221.82	(-)-35.66
	A. & N. Islands	..	..	..
	Sikkim	1.54	30.58	86.01
	Central Sector	14.90	..	..
	SUB-TOTAL	2,961.72	3,082.38	4.07
Southern Region	Andhra Pradesh	3,723.55	3,987.88	7.10
	Karnataka	6,391.59	7,187.96	14.25
	Kerala	5,241.63	5,533.30	5.56
	Tamil Nadu	4,925.73	4,657.76	(-)-5.44
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	Central Sector	..	..	..
	SUB-TOTAL	20,282.60	21,366.90	5.35
North Eastern Region	Assam	..	..	..
	Manipur	1.90	1.70	(-)-10.53
	Meghalaya	350.38	369.65	5.50
	Nagaland	1.59	0.87	(-)-45.28
	Tripura	40.46	50.25	24.20
	Arunachal Pradesh	11.98	15.07	25.79
	Mizoram	..	..	..
	SUB-TOTAL	406.31	437.54	7.69
	TOTAL (ALL INDIA)	46,541.76	49,564.93	6.50

TABLE No. 24—Contd.

State/U.Ts.	Steam		
	1980-81	1981-82	% Increase
Harayana . . . . .	1,311.24	1,573.83	20.03
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	4.28	16.54	267.38
Punjab . . . . .	1,457.92	1,593.00	9.26
Rajasthan . . . . .	812.88	710.22	(—)12.63
Uttar Pradesh . . . . .	6,733.56	7,512.14	11.56
Chandigarh . . . . .	..	..	..
Delhi . . . . .	1,311.78	1,111.95	(—)15.23
Central Sector . . . . .	2,054.97	2,283.52	11.12
<b>SUB-TOTAL . . . . .</b>	<b>13,686.63</b>	<b>14,801.24</b>	<b>8.14</b>
Gujarat . . . . .	8,427.37	9,046.20	7.34
Madhya Pradesh . . . . .	5,477.06	6,132.17	11.96
Maharashtra . . . . .	11,215.94	12,346.71	10.08
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	199.98	175.84	(—)12.07
<b>SUB-TOTAL . . . . .</b>	<b>25,320.35</b>	<b>27,700.92</b>	<b>9.40</b>
Bihar . . . . .	2,127.80	2,408.51	13.19
Orissa . . . . .	744.00	785.75	6.04
West Bengal . . . . .	5,309.61	5,382.23	1.37
D.V.C. . . . .	4,139.85	5,779.32	39.60
A. & N. Island . . . . .	1.67	1.72	2.99
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>12,322.93</b>	<b>4,357.53</b>	<b>16.51</b>
Andhra Pradesh . . . . .	3,595.90	5,092.90	41.63
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	2,445.95	3,174.12	29.77
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	3,174.60	3,390.65	6.80
<b>SUB-TOTAL . . . . .</b>	<b>9,216.45</b>	<b>11,657.67</b>	<b>26.49</b>
Assam . . . . .	167.42	229.74	37.72
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>167.42</b>	<b>229.74</b>	<b>37.72</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>60,713.78</b>	<b>68,747.10</b>	<b>13.23</b>

TABLE NO. 24—Contd.

State/U.Ts.	Diesel		
	1980-81	1981-82	% Increase
Haryana	0.12	..	..
Himachal Pradesh	0.13	0.04	(—)69.23
Jammu & Kashmir	0.36	0.14	(—)61.11
Punjab	1.47	5.14	249.66
Rajasthan	0.36	0.23	(—)36.11
Uttar Pradesh	..	..	..
Chandigarh	0.07	0.24	242.86
Delhi	1.39	1.34	(—)3.60
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>3.90</b>	<b>7.13</b>	<b>82.82</b>
Gujarat	0.09	0.10	11.11
Madhya Pradesh	..	..	..
Maharashtra	..	..	..
Goa, Daman & Diu	..	..	..
Dadra & Nagar Haveli	..	..	..
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>0.09</b>	<b>0.10</b>	<b>11.11</b>
Bihar	2.16	1.56	(—)27.78
Orissa	..	..	..
West Bengal	17.12	10.05	(—)41.30
D.V.C.	..	..	..
A. & N. Island	6.00	10.00	66.67
Sikkim	1.00	0.09	(—)91.00
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>6.28</b>	<b>21.70</b>	<b>(—)17.43</b>
Andhra Pradesh	..	..	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
Pondicherry	..	..	..
Lakshadweep	1.30	1.70	30.77
Central Sector	..	..	..
<b>SUB-TOTAL</b>	<b>1.30</b>	<b>1.70</b>	<b>30.77</b>
Assam	2.84	15.11	509.27
Manipur	23.49	16.56	(—)29.50
Meghalaya	2.16	0.10	(—)99.54
Nagaland	0.74	0.54	(—)27.03
Tripura	0.85	1.15	35.29
Arunachal Pradesh	1.85	2.13	15.14
Mizoram	1.94	3.12	60.82
<b>SUB-TOTAL</b>	<b>33.51</b>	<b>38.62</b>	<b>15.25</b>
<b>TOTAL (ALL-INDIA)</b>	<b>65.08</b>	<b>69.25</b>	<b>6.41</b>

TABLE No. 24—Contd.

State/U.T.s.	Gas		
	1980-81	1981-82	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	0.32	0.28	(—)12.50
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>0.32</b>	<b>0.28</b>	<b>(—)12.50</b>
Gujarat . . . . .	47.40	22.00	(—)53.59
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	1.93	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>47.40</b>	<b>23.93</b>	<b>(—)49.52</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	179.50	178.74	(—)0.42
D.V.C. . . . .	..	..	..
A. & N. Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>179.50</b>	<b>178.74</b>	<b>(—)0.42</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	294.78	496.31	68.37
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b>	<b>294.78</b>	<b>496.31</b>	<b>68.37</b>
<b>TOTAL (ALL INDIA)</b>	<b>522.00</b>	<b>699.26</b>	<b>33.96</b>



TABLE NO. 24—Contd.

State/U.Ts.	Nuclear		
	1980-81	1981-82	% Increase
Haryana . . . . .	..	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	..	..	..
Punjab . . . . .	..	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	..	..	..
Central Sector . . . . .	1,227.64	1,057.17	(—)13.89
<b>SUB-TOTAL</b> . . . . .	<b>1,227.64</b>	<b>1,057.17</b>	<b>(—)13.89</b>
Gujarat . . . . .	..	..	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra and Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	1,773.70	1,963.72	10.71
<b>SUB-TOTAL</b> . . . . .	<b>1,773.70</b>	<b>1,963.72</b>	<b>10.71</b>
Bihar . . . . .	..	..	..
Orissa . . . . .	..	..	..
West Bengal . . . . .	..	..	..
D.V.C. . . . .	..	..	..
Andaman & 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>3,020.89</b>	<b>0.65</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 1981-82

(GWH)

Region	Name of the Board	Total		
		1980-81	1981-82	% increase
Northern Region	Haryana	4,288.75	4,807.55	12.10
	Himachal Pradesh	245.06	431.67	76.14
	Jammu & Kashmir	768.11	784.74	2.16
	Punjab	6,482.95	6,996.80	7.93
	Rajasthan	3,392.94	3,546.16	4.52
	Uttar Pradesh	10,190.39	11,348.03	11.36
	SUB-TOTAL	25,368.20	27,914.95	10.04
Western Region	Gujarat	7,860.72	8,605.30	9.47
	Madhya Pradesh	5,952.12	6,620.41	11.23
	Maharashtra	14,178.09	15,105.02	6.54
	SUB-TOTAL	27,990.93	30,330.73	8.36
Eastern Region	Bihar	2,266.39	2,571.71	13.47
	Orissa	2,918.41	3,159.45	8.19
	West Bengal	3,108.82	3,161.80	1.70
	SUB-TOTAL	8,293.62	8,892.96	7.23
Southern Region	Andhra Pradesh	6,572.90	8,386.70	27.60
	Karnataka	1,755.08	2,377.79	35.48
	Kerala	5,241.63	5,533.30	5.56
	Tamil Nadu	7,371.68	7,831.88	6.24
	SUB-TOTAL	20,941.29	24,129.67	15.22
North Eastern Region	Assam	464.68	741.16	59.50
	Meghalaya	352.54	369.66	4.86
	SUB-TOTAL	817.22	1,110.82	35.93
	TOTAL (ALL BOARDS)	83,411.26	92,379.13	10.75

TABLE NO. 25—Contd.

Name of the Board	Hydro		
	1980-81	1981-82	% increase
Haryana . . . . .	2,977.39	3,233.72	8.61
Himachal Pradesh . . . . .	244.93	431.63	76.23
Jammu & Kashmir . . . . .	763.47	768.02	0.60
Punjab . . . . .	5,023.56	5,398.66	7.47
Rajasthan . . . . .	2,579.70	2,835.71	9.92
Uttar Pradesh . . . . .	3,456.51	3,835.61	10.97
<b>SUB-TOTAL . . . . .</b>	<b>15,045.56</b>	<b>16,503.35</b>	<b>9.69</b>
Gujarat . . . . .	888.46	1,139.14	28.21
Madhya Pradesh . . . . .	475.06	488.24	2.77
Maharashtra . . . . .	4,978.15	4,991.38	0.26
<b>SUB-TOTAL . . . . .</b>	<b>6,341.67</b>	<b>6,618.76</b>	<b>4.37</b>
Bihar . . . . .	136.43	161.64	18.48
Orissa . . . . .	2,174.41	2,373.70	9.17
West Bengal . . . . .	56.45	75.62	33.96
<b>SUB-TOTAL . . . . .</b>	<b>2,367.29</b>	<b>2,610.96</b>	<b>9.16</b>
Andhra Pradesh . . . . .	2,977.00	3,293.80	10.64
Karnataka . . . . .	1,755.08	2,377.79	35.48
Kerala . . . . .	5,241.63	5,533.30	5.56
Tamil Nadu . . . . .	4,925.73	4,657.76	(- )5.44
<b>SUB-TOTAL . . . . .</b>	<b>14,899.44</b>	<b>15,862.65</b>	<b>6.46</b>
Assam . . . . .	350.38	369.65	5.50
Meghalaya . . . . .			
<b>SUB-TOTAL . . . . .</b>	<b>350.38</b>	<b>369.65</b>	<b>5.50</b>
<b>TOTAL (ALL BOARDS) . . . . .</b>	<b>39,004.34</b>	<b>41,965.37</b>	<b>7.59</b>

TABLE No. 25<sup>1</sup>—Contd.

(GWH)

Name of the Board	Steam		% increase
	1980-81	1981-82	
Haryana . . . . .	1,311.24	1,573.83	20.03
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	4.28	16.58	267.38
Punjab . . . . .	1,457.92	1,593.00	9.26
Rajasthan . . . . .	812.88	710.22	(—)12.63
Uttar Pradesh . . . . .	6,733.56	7,512.14	11.56
<b>SUB-TOTAL . . . . .</b>	<b>10,319.88</b>	<b>11,405.77</b>	<b>10.52</b>
Gujarat . . . . .	6,924.84	7,444.14	7.50
Madhya Pradesh . . . . .	5,477.06	6,132.17	11.96
Maharashtra . . . . .	9,199.94	10,111.71	9.91
<b>SUB-TOTAL . . . . .</b>	<b>21,601.84</b>	<b>23,688.02</b>	<b>9.66</b>
Bihar . . . . .	2,127.80	2,408.51	13.19
Orissa . . . . .	744.00	785.75	6.04
West Bengal . . . . .	2,856.12	2,897.76	1.49
<b>SUB-TOTAL . . . . .</b>	<b>5,727.92</b>	<b>6,092.02</b>	<b>6.36</b>
Andhra Pradesh . . . . .	3,595.90	5,092.90	41.63
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	2,445.95	3,174.12	29.77
<b>SUB-TOTAL . . . . .</b>	<b>6041.85</b>	<b>8,267.02</b>	<b>36.82</b>
Assam . . . . .	167.42	229.74	37.22
Meghalaya . . . . .	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>167.42</b>	<b>229.74</b>	<b>37.22</b>
<b>TOTAL (ALL BOARDS) . . . . .</b>	<b>43,858.91</b>	<b>49,682.57</b>	<b>13.28</b>

TABLE NO. 25—Contd.

(GWH)

Name of the Board	Diesel		
	1980-81	1981-82	% increase
Haryana . . . . .	0.12	..	..
Himachal Pradesh . . . . .	0.13	0.04	(—)69.23
Jammu & Kashmir . . . . .	0.36	0.14	(—)61.11
Punjab . . . . .	1.47	5.14	249.66
Rajasthan . . . . .	0.36	0.23	(—)36.11
Uttar Pradesh . . . . .	..	..	..
SUB-TOTAL . . . . .	2.41	5.55	130.29
Gujarat . . . . .	0.02	0.02	..
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
SUB-TOTAL . . . . .	0.02	0.02	..
Bihar . . . . .	2.16	1.56	(—)27.78
Orissa . . . . .	..	..	..
West Bengal . . . . .	16.75	9.68	(—)42.21
SUB-TOTAL . . . . .	18.91	11.24	(—)40.56
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
SUB-TOTAL . . . . .	..	..	..
Assam . . . . .	2.48	15.11	509.27
Meghalaya . . . . .	2.16	0.01	(—)99.54
SUB-TOTAL . . . . .	4.64	15.12	225.86
TOTAL (ALL BOARDS) . . . . .	26.01	31.93	22.76

TABLE NO. 25—Contd.

Name of the Board	Gas		
	1980-81	1981-82	% Increase
Haryana	..	..	..
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	..	..	..
Rajasthan	..	..	..
Uttar Pradesh	0.32	0.28	(-)-12.50
<b>SUB-TOTAL</b>	<b>0.32</b>	<b>0.28</b>	<b>(-)-12.50</b>
Gujarat	47.40	22.00	(-)-53.59
Madhya Pradesh	..	..	..
Maharashtra	..	1.93	..
<b>SUB-TOTAL</b>	<b>47.40</b>	<b>23.93</b>	<b>(-)-49.52</b>
Bihar	..	..	..
Orissa	..	..	..
West Bengal	179.50	178.74	(-)-0.42
<b>SUB-TOTAL</b>	<b>179.50</b>	<b>178.74</b>	<b>(-)-0.42</b>
Andhra Pradesh	..	..	..
Karnataka	..	..	..
Kerala	..	..	..
Tamil Nadu	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam	294.78	496.31	68.37
Meghalaya	..	..	..
<b>SUB-TOTAL</b>	<b>294.78</b>	<b>496.31</b>	<b>68.37</b>
<b>TOTAL (ALL BOARDS)</b>	<b>522.00</b>	<b>699.26</b>	<b>33.96</b>

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

TABLE NO. 26

Gross Energy Generation by Electricity Deptt., Govt. Undertakings, Central Sector, Municipalities and Private Sector—Primemoverwise/Regionwise during 1981-82

		(GWH)		
Region	Ownership	Total		% Increase
		1980-81	1981-82	
<b>I. Electricity Deptt./Govt. Undertaking/Corpn./Central Sector</b>				
Northern Region	Chandigarh	0.07	0.24	242.86
	Central Sector	3,316.61	3,554.69	7.18
Western Region	Central Sector	1,973.68	2,139.56	8.40
Eastern Region	Bihar	14.31	11.01	(-)-23.06
	Orissa	218.92*	208.01*	(-)-3.98
	Sikkim	2.54	30.67	1,107.48
	West Bengal	712.43	750.89	5.40
	D.V.C.	4,484.61	6,001.14	33.82
	A. & N. Islands	7.67	11.72	52.80
Southern Region	Central Sector	14.90	—	—
	Andhra Pradesh	746.55	694.08	(-)-4.03
	Karnataka	4,636.51	4,810.17	3.74
	Lakshadweep	1.30	1.70	30.17
	Central Sector	3,174.60	3,390.65	6.80
North Eastern Region	Manipur	25.39	18.26	(-)-28.08
	Nagaland	2.33	1.41	(-)-39.48
	Tripura	41.31	51.40	24.43
	Arunachal Pradesh	13.83	17.20	24.37
	Mizoram	1.94	3.12	60.82
	<b>TOTAL (I)</b>	<b>19,389.50</b>	<b>21,695.92</b>	<b>11.90</b>
<b>II. Municipalities</b>				
Northern Region	Delhi	1,313.17	1,113.29	(-)-15.22
Western Region	Gujarat	..	..	..
Eastern Region	West Bengal	..	..	..
	<b>TOTAL (II)</b>	<b>1,313.17</b>	<b>1,113.29</b>	<b>(-)-15.22</b>
<b>III. Private Licensees</b>				
Western Region	Gujarat	1,502.60	1,602.14	6.62
	Maharashtra	3,486.00	3,577.00	2.61
Eastern Region	West Bengal	1,741.43	1,733.95	(-)-0.43
	<b>TOTAL (III)</b>	<b>6,730.03</b>	<b>6,913.09</b>	<b>2.72</b>

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

TABLE NO. 26—Contd.

	Ownership	Hydro		
		1980-81	1981-82	% Increase
<i>Northern Region</i>	<i>I. Electricity Deptt./Govt. Undertakings/Corpn./Central Sector</i>			
	Chandigarh . . . . .	..	..	..
	Central Sector . . . . .	34.00	14.00	529.51
<i>Western Region</i>	Central Sector . . . . .	..	..	..
<i>Eastern Region</i>	Bihar . . . . .	14.31	11.01	(—)23.06
	Orissa . . . . .	218.92	208.01	(—)4.98
	Sikkim . . . . .	1.54	30.58	86.01
	West Bengal . . . . .	..	..	..
	A. & N. Islands . . . . .	..	..	..
	D.V.C. . . . .	344.76	221.82	(—)35.66
	Central Sector . . . . .	14.90	..	..
<i>Southern Region</i>	Andhra Pradesh . . . . .	746.55	694.08	(—)7.03
	Karnataka . . . . .	4,636.51	4,810.17	3.74
	Lakshadweep . . . . .	..	..	..
	Central Sector . . . . .	..	..	..
<i>North Eastern Region</i>	Manipur . . . . .	1.90	1.70	(—)10.53
	Nagaland . . . . .	1.59	0.87	(—)45.28
	Tripura . . . . .	40.46	50.25	24.20
	Arunachal Pradesh . . . . .	11.98	15.07	25.79
	Mizoram . . . . .	—	—	—
	TOTAL (I) . . . . .	6,067.42	6,257.56	3.13
	<i>II. Municipalities</i>			
<i>Northern Region</i>	Delhi . . . . .	..	..	..
<i>Western Region</i>	Gujarat . . . . .	..	..	..
	West Bengal . . . . .	..	..	..
	TOTAL (II) . . . . .	..	..	..
	<i>III. Private Licensees</i>			
<i>Western Region</i>	Gujarat . . . . .	..	..	..
	Maharashtra . . . . .	1,470.00	1,342.00	(—)8.71
<i>Eastern Region</i>	West Bengal . . . . .	..	..	..
	TOTAL (III) . . . . .	1,470.00	1,342.00	(—)8.71



TABLE NO. 26—Contd.

Ownership	Steam		
	1980-81	1981-82	% Increase
<i>I. Electy. Deptt./Govt. Undertakings/ Corpn./Central Sector</i>			
<i>Northern Region</i>	Chandigarh . . . .	..	..
	Central Sector . . . .	2,054.97	2,283.52 11.12
<i>Western Region</i>	Central Sector . . . .	199.98	175.84 (-12.07)
<i>Eastern Region</i>	Bihar . . . .	..	..
	Orissa . . . .	..	..
	Sikkim . . . .	..	..
	West Bengal . . . .	712.43	750.89 5.40
	D.V.C. . . . .	4,139.85	5,779.32 39.66
	A. & N. Islands . . . .	1.67	1.72 2.99
	Central Sector . . . .	..	..
<i>Southern Region</i>	Andhra Pradesh . . . .	..	..
	Karnataka . . . .	..	..
	Lakshadweep . . . .	..	..
	Central Sector . . . .	3,174.60	3,390.65 6.80
<i>North Eastern Region</i>	Manipur . . . .	..	..
	Nagaland . . . .	..	..
	Tripura . . . .	..	..
	Arunachal Pradesh . . . .	..	..
	Mizoram . . . .	..	..
	<b>TOTAL (I)</b> . . . .	<b>10,283.50</b>	<b>12,381.94</b> <b>20.41</b>
<i>II. Municipalities</i>			
<i>Northern Region</i>	Delhi . . . .	1,311.78	1,111.95 (-15.23)
<i>Western Region</i>	Gujarat . . . .	..	..
<i>Eastern Region</i>	West Bengal . . . .	..	..
	<b>TOTAL (II)</b> . . . .	<b>1,311.78</b>	<b>1,111.95</b> <b>(-15.23)</b>
<i>III. Private Licensees</i>			
<i>Western Region</i>	Gujarat . . . .	1,502.53	1,602.06 6.62
	Maharashtra . . . .	2,016.00	2,235.00 10.86
<i>Eastern Region</i>	West Bengal . . . .	1,741.06	1,733.58 (-0.43)
	<b>TOTAL (III)</b> . . . .	<b>5,259.59</b>	<b>5,570.64</b> <b>5.91</b>

TABLE No. 26—Contd.

	Ownership	Diesel		
		1980-81	1981-82	% Increase
<b>I. Elecry. Deptt./Govt. Under-</b>				
<b>takings/Corpn./Central Sector</b>				
<i>Northern Region</i>	Chandigarh	0.07	0.24	242.86
	Central Sector	..	..	..
<i>Western Region</i>	Central Sector	..	..	..
<i>Eastern Region</i>	Bihar	..	..	..
	Orissa	..	..	..
	Sikkim	1.00	0.09	(- )91.00
	West Bengal	..	..	..
	D.V.C.	..	..	..
	A. & N. Islands	6.00	10.00	66.67
	Central Sector	..	..	..
<i>Southern Region</i>	Andhra Pradesh	..	..	..
	Karnataka	..	..	..
	Lakshadweep	1.30	1.70	30.77
	Central Sector	..	..	..
<i>North Eastern Region.</i>	Manipur	23.49	16.56	(- )29.50
	Nagaland	0.74	0.54	(- )27.03
	Tripura	0.85	1.15	35.29
	Arunachal Pradesh	1.85	2.13	15.14
	Mizoram	1.94	3.12	3.12
	<b>TOTAL (I)</b>	<b>37.24</b>	<b>35.53</b>	<b>(- )5.13</b>
<b>II. Municipalities</b>				
<i>Northern Region</i>	Delhi	1.39	1.34	(- )3.60
<i>Western Region</i>	Gujarat	..	..	..
<i>Eastern Region</i>	West Bengal	..	..	..
	<b>TOTAL (II)</b>	<b>1.39</b>	<b>1.34</b>	<b>(- )3.60</b>
<b>III. Private Licensees</b>				
<i>Western Region</i>	Gujarat	0.07	0.08	..
	Maharashtra	..	..	..
<i>Eastern Region</i>	West Bengal	0.37	0.37	..
	<b>TOTAL (III)</b>	<b>0.44</b>	<b>0.45</b>	<b>2.27</b>

TABLE No. 26—Contd.

	Ownership	Nuclear		
		1980-81	1981-82	% Increase
<b>I. Electy. Deptt./Govt. Undertakings/Corpn./Central Sector</b>				
<i>Northern Region</i>	Chandigarh			
	Central Sector	1,227.64	1,057.17	(-) <sup>13.89</sup>
<i>Western Region.</i>	Central Sector	1,773.70	1,963.72	10.71
<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>3,020.89</b>	<b>0.65</b>
<b>II. Municipalities</b>				
<i>Northern Region</i>	Delhi	..	..	..
<i>Western Region</i>	Gujarat	..	..	..
<i>Eastern Region .</i>	West Bengal	..	..	..
	<b>TOTAL (II)</b>	..	..	..
<b>III. Private Licensees</b>				
<i>Western Region .</i>	Gujarat	..	..	..
	Maharashtra	..	..	..
<i>Eastern Region .</i>	West Bengal	..	..	..
	<b>TOTAL (III)</b>	..	..	..

INSTALLED GENERATING CAPACITY & ELECTRICITY GENERATION

(UTILITIES)  
(1981-82)

INSTALLED CAPACITY  
(32 345 MW)

ELECTRICITY GENERATION  
GROSS  
(122101 GWh.)

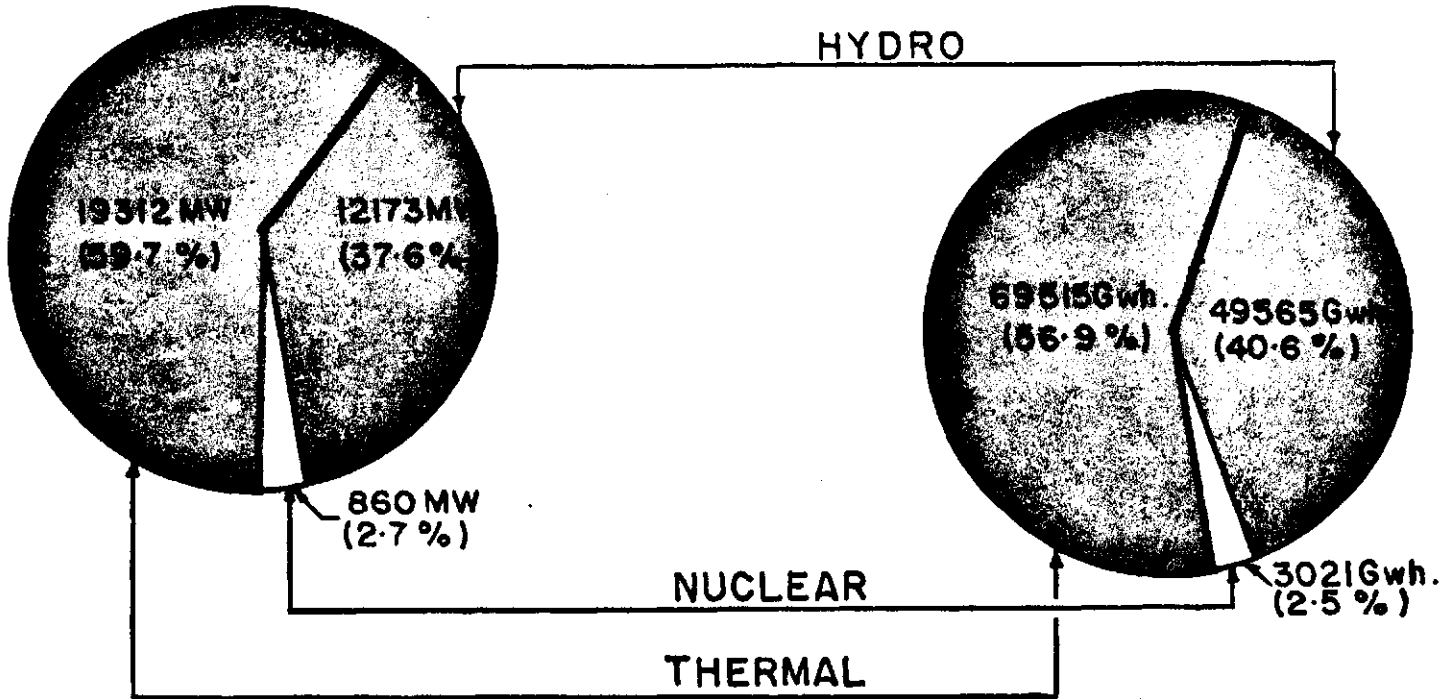


TABLE No. 27

*Classification of Undertakings\* Generationwise-1981-82*

Range of generation (GWH)	No. of Undertakings	Total energy generated by the group (GWH)	% to total	Installed capacity of the group (MW)	% to total
Less than 1.00	4	0.69	Neg.	212.34	0.66
From 1.00 upto 10.00	3	6.23	0.01	13.65	0.04
From 10.00 upto 25.00	4	58.19	0.05	62.82	0.19
From 25.00 upto 50.00	2	56.81	0.05	25.49	0.08
From 50.00 upto 100.00	2	115.67	0.09	34.76	0.11
From 100.00 upto 250.00	2	389.84	0.32	276.00	0.85
From 250.00 upto 500.00	3	1,062.22	0.87	333.68	1.03
From 500.00 upto 1000.00	4	2,970.16	2.43	938.71	2.90
From 1000.00 upto 5000.00	15	41,013.04	33.59	10,415.63	32.20
From 5000.00 upto 10000.00	7	49,975.53	40.93	12,580.34	38.90
Above 10000.00	2	26,453.05	21.66	7,451.67	23.04
<b>TOTAL</b>	<b>48</b>	<b>12,2101.43</b>	<b>100.00</b>	<b>32,345.09</b>	<b>100.00</b>

SECTION IV  
**Captive Plants**

## CAPTIVE PLANTS

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

Based on data received from 2516 industrial units (Units having their own captive plants with capacity of more than 100 KW or contract demand of more than 500 KVA) it is observed that, each category viz., aluminium, cement, chemicals, fertilizers, iron & steel, non-ferrous, paper and textiles consumed more than 1500 GWH during 1981-82 details of which are enumerated below :

Sl. No.	Category	Number of Industries covered	Energy Consumption (GWH)		% increase/decrease
			1981-82	1980-81	
1.	Aluminium (P)	7	4,099.49	2,964.80	38.27
2.	Cement (P)	53	1,987.78	1,861.33	6.79
3.	Chemicals	189	4,404.23	4,180.60	5.35
4.	Fertilizers	29	5,092.67	4,067.37	25.21
5.	Iron & Steel (P)	11	4,445.37	4,300.31	3.37
6.	Iron & Steel (S)	152	2,069.29	1,325.64	56.10
7.	Non-Ferrous	30	1,639.83	1,506.52	8.85
8.	Paper	75	1,987.36	1,715.61	15.84
9.	Textiles	521	6,430.28	6,072.38	5.89
<b>TOTAL</b>		<b>1,067</b>	<b>32,156.30</b>	<b>27,994.56</b>	<b>14.78</b>

NOTE : (P) Primary

It is significant from the above table that nearly 79.40% of the total consumption 40500.12, GWH by 2516 industries is accounted, for by mere 1067 industries out of the above major categories.

Out of 2516 industrial units covered 1380 industrial units have captive plants which generated 8978.96 GWH of electricity. Eight Industrial categories viz., aluminium (primary), mineral oil and petroleum, paper sugar, textiles and chemicals generated 7787.70 GWH in aggregate by generating more than 500 GWH by each of the above category, details of which are given below :

Name of Industry	Energy Generation (GWH)
Aluminium (P)	1,217.24
Chemical	544.08
Fertilizers	588.87
Iron & Steel (P)	2,087.68
Mineral Oil & Petroleum	642.88
Paper	804.79
Sugar	875.96
Textile	1,026.20
<b>TOTAL</b>	<b>7787.70</b>

Nearly 86.73% of the captive generation is accounted for by these eight categories of industries.

Apart from industrial captive plants, railways have also got captive generating sets which are mainly used as stand by and for emergency purposes. Total capacity of captive plants of Railways during 1981-82 was 60.51 MW and 44.73 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, 1982

(In KW)

Region	State/Uts	Aluminium (P)	Aluminium (S)	Automobiles
<i>Northern Region</i>	Haryana	..	288	1,813
	Himachal Pradesh	..	..	..
	Jammu & Kashmir	..	..	..
	Punjab	..	..	..
	Rajasthan	..	..	1,630
	Uttar Pradesh	2,02,500	..	..
	Chandigarh	..	..	..
	Delhi	..	..	..
	<b>SUB-TOTAL</b>	<b>2,02,500</b>	<b>288</b>	<b>3,443</b>
<i>Western Region</i>	Gujarat	..	..	..
	Madhya Pradesh	..	..	..
	Maharashtra	..	1,648	8,042
	Goa, Daman & Diu	..	..	..
	D. & N. Haveli	..	..	..
		<b>SUB-TOTAL</b>	<b>..</b>	<b>1,648</b>
<i>Eastern Region</i>	Bihar	..	4,175	..
	Orissa	..	210	..
	West Bengal	..	988	3,144
	A. & N Islands	..	..	..
	Sikkim	..	..	..
		<b>SUB-TOTAL</b>	<b>..</b>	<b>5,373</b>
<i>Southern Region</i>	Andhra Pradesh	..	..	..
	Karnataka	..	595	5,320
	Kerala	..	400	..
	Tamil Nadu	..	..	307
	Pondicherry	..	..	..
	Lakshadweep	..	..	..
	<b>SUB-TOTAL</b>	<b>..</b>	<b>995</b>	<b>5,627</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>2,02,500*</b>	<b>8,304</b>	<b>20,256</b>

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



TABLE No. 28—Contd.

State/Uts	Cement (P)	Cement (S)	Chemicals	Collieries
Haryana . . . . .	1,760	3,958	1,950	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	977	..
Rajasthan . . . . .	28,310	..	7,324	..
Uttar Pradesh . . . . .	1,287	..	14,838	..
Chandigarh . . . . .	..	..	1,490	..
Delhi . . . . .	..	..	22,500	..
<b>SUB-TOTAL</b> . . . . .	<b>31,357</b>	<b>3,958</b>	<b>49,079</b>	<b>..</b>
Gujarat . . . . .	17,975	880	82,911	..
Madhya Pradesh . . . . .	19,250	886	3,066	3,600
Maharashtra . . . . .	..	1,423	57,879	..
Goa, Daman & Diu . . . . .	..	..	9,882	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>37,225</b>	<b>3,189</b>	<b>1,53,738</b>	<b>3,600</b>
Bihar . . . . .	16,288	..	..	31,080
Orissa . . . . .	210	540	..	..
West Bengal . . . . .	688	896	7,125	..
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>17,186</b>	<b>1,436</b>	<b>7,125</b>	<b>31,080</b>
Andhra Pradesh . . . . .	3,336	..	2,585	39,700
Karnataka . . . . .	20,000	..	3,935	..
Kerala . . . . .	..	..	1,891	..
Tamil Nadu . . . . .	2,536	1,704	4,176	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>25,872</b>	<b>1,704</b>	<b>12,587</b>	<b>39,700</b>
Assam . . . . .	..	390	906	715
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>390</b>	<b>906</b>	<b>715</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,11,640</b>	<b>10,677</b>	<b>2,23,435</b>	<b>75,095</b>

TABLE NO. 28—Contd.

State/UTs.	Elect. Engg.	Fertilizers	Food Products	Heavy Engineering
Haryana . . . . .	3,384	1,500	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	450	545	3,721	..
Rajasthan . . . . .	1,251	35,660	420	1,860
Uttar Pradesh . . . . .	20,330	12,500	4,567	4,841
Chandigarh . . . . .	112	..	..	..
Delhi . . . . .	..	..	294	..
<b>SUB-TOTAL</b> . . . . .	<b>25,527</b>	<b>50,205</b>	<b>9,002</b>	<b>6,701</b>
Gujarat . . . . .	1,918	248	462	..
Madhya Pradesh . . . . .	4,372	..	1,478	..
Maharashtra . . . . .	12,943	18,378	4,173	8,882
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>19,233</b>	<b>18,626</b>	<b>6,113</b>	<b>8,882</b>
Bihar . . . . .	1,260	81,780	800	14,400
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	8,218	2,250	14,439	13,983
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>9,478</b>	<b>84,030</b>	<b>15,239</b>	<b>28,383</b>
Andhra Pradesh . . . . .	726	5,560	3,016	2,060
Karnataka . . . . .	12,400	..	1,592	5,950
Kerala . . . . .	56	15,950	1,354	..
Tamil Nadu . . . . .	1,357	3,445	1,825	5,778
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>14,539</b>	<b>24,955</b>	<b>7,787</b>	<b>13,788</b>
Assam . . . . .	..	1,750	1,737	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>1,750</b>	<b>1,737</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>68,777</b>	<b>1,79,566</b>	<b>39,878</b>	<b>57,754</b>

TABLE No. 28—Contd.

State/UTs	Iron & Steel ( P )	Iron & Steel (S)	Jute	Light Engineering
Haryana . . . . .	..	3,279	..	9,193
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	399
Punjab . . . . .	..	363	..	1,612
Rajasthan . . . . .	..	560	..	12,483
Uttar Pradesh . . . . .	..	1,544	2,048	4,606
Chandigarh . . . . .	..	..	..	20
Delhi . . . . .	..	412	..	..
<b>SUB-TOTAL</b> . . . . .		<b>6,158</b>	<b>2,048</b>	<b>28,313</b>
Gujarat . . . . .	..	1,191	..	980
Madhya Pradesh . . . . .	36,000	280	..	..
Maharashtra . . . . .	..	6,323	..	17,507
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>36,000</b>	<b>7,795</b>	<b>..</b>	<b>18,487</b>
Bihar . . . . .	2,64,000	6,152	7,736	..
Orissa . . . . .	1,40,152	..	..	..
West Bengal . . . . .	80,000	724	1,45,073	5,178
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>4,84,152</b>	<b>6,876</b>	<b>1,52,809</b>	<b>5,178</b>
Andhra Pradesh . . . . .	..	300	3,269	..
Karnataka . . . . .	1,760	..	..	7,198
Kerala . . . . .	..	..	..	779
Tamil Nadu . . . . .	..	2,834	..	17,191
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>1,760</b>	<b>3,184</b>	<b>3,269</b>	<b>25,168</b>
Assam . . . . .	..	..	150	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>150</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>5,21,912</b>	<b>23,963</b>	<b>1,58,276</b>	<b>77,146</b>

TABLE No. 28—Contd.

State/UTs	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous	Paper
Haryana	..	..	5,090	136	9,750
Himachal Pradesh	..	..	365	..	..
Jammu & Kashmir	..	..	..	..	..
Punjab	..	..	2,446	..	403
Rajasthan	..	135	..	19,090	..
Uttar Pradesh	37,500	..	10,214	..	10,840
Chandigarh	..	..	864	..	..
Delhi	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>37,500</b>	<b>135</b>	<b>18,979</b>	<b>19,226</b>	<b>20,993</b>
Gujarat	24,000	200	304	..	6,000
Madhya Pradesh	..	..	1,682	1,300	33,000
Maharashtra	..	..	13,295	48	1,984
Goa, Daman & Diu	..	100	248	..	..
D. & N. Haveli	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>24,000</b>	<b>300</b>	<b>15,529</b>	<b>1,348</b>	<b>40,984</b>
Bihar	24,000	..	832	6,180	16,032
Orissa	..	..	..	410	16,700
West Bengal	31,676	..	12,498	..	32,109
A. & N. Islands	..	..	..	..	..
Sikkim	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>55,676</b>	<b>..</b>	<b>13,330</b>	<b>6,590</b>	<b>64,841</b>
Andhra Pradesh	75	..	4,767	382	48,100
Karnataka	..	..	3,959	7,330	36,773
Kerala	..	..	440	..	180
Tamil Nadu	22,400	128	4,053	..	7,877
Pondicherry	..	..	..	..	..
Lakshadweep	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>22,475</b>	<b>128</b>	<b>13,219</b>	<b>7,712</b>	<b>92,930</b>
Assam	64,416	..	1,990	..	8,300
Manipur	..	..	..	..	..
Meghalaya	..	..	..	..	..
Nagaland	..	..	..	..	..
Tripura	..	..	..	..	..
Arunachal Pradesh	..	..	..	..	..
Mizoram	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>64,416</b>	<b>..</b>	<b>1,990</b>	<b>..</b>	<b>8,300</b>
<b>TOTAL (ALL INDIA)</b>	<b>2,04,067</b>	<b>563</b>	<b>63,047</b>	<b>34,876</b>	<b>2,28,048</b>

TABLE NO. 28—Contd.

State/ UTs	Pastic	Rubber	Sugar	Textile	Total
Haryana	..	2,519	9,290	14,276	68,186
Himachal Pradesh	..	..	..	..	365
Jammu & Kashmir	..	..	..	..	399
Punjab	..	..	9,156	12,231	33,534
Rajasthan	..	..	970	28,879	1,36,942
Uttar Pradesh	..	10,846	1,29,728	42,555	5,10,744
Chandigarh	..	..	..	..	2,486
Delhi	..	..	..	8,388	31,594
<b>SUB-TOTAL</b>	..	13,365	1,49,144	1,06,329	7,84,250
Gujarat	..	..	30,300	76,379	2,43,749
Madhya Pradesh	..	..	6,236	65,205	1,76,355
Maharashtra	1,304	5,780	1,40,056	1,04,522	4,04,187
Goa, Daman & Diu	..	..	..	9	10,239
D. & N. Haveli	..	..	..	..	..
<b>SUB-TOTAL</b>	13,04	5,780	1,76,592	2,46,115	8,34,530
Bihar	..	..	25,558	..	5,00,273
Orissa	..	..	1,685	2,000	1,61,907
West Bengal	..	8,550	778	28,456	3,96,773
A. & N. Islands	..	..	..	..	..
Sikkim	..	..	..	..	..
<b>SUB-TOTAL</b>	..	8,550	28,021	30,456	10,58,953
Andhra Pradesh	2,970	..	48,379	13,291	1,78,516
Karnataka	..	228	44,398	19,755	1,71,193
Kerala	..	1,100	4,805	12,636	39,591
Tamil Nadu	..	7,095	51,228	84,629	2,18,563
Pondicherry	..	..	3,588	1,200	4,788
Lakshadweep	..	..	..	..	..
<b>SUB-TOTAL</b>	2,970	8,423	1,52,398	1,31,511	6,12,651
Assam	..	..	2,567	800	83,721
Manipur	..	..	..	..	..
Meghalaya	..	..	..	..	..
Nagaland	..	..	1,500	..	1,500
Tripura	..	..	..	..	..
Arunachal Pradesh	..	..	..	..	..
Mizoram	..	..	..	..	..
<b>SUB-TOTAL</b>	..	..	4,067	800	85,221
<b>TOTAL (ALL INDIA)</b>	4,274	36,118	5,10,222	5,15,211	33,75,605

TABLE NO. 29  
Gross Electricity Generation by Selected Industries  
Regionwise/Statewise during 1981-82

					(GWH)		
Region	State/Uts	Aluminium (P)	Aluminium (S)	Automobiles			
<i>Northern Region</i>	Haryana	..	0.11	1.27			
	Himachal Pradesh	..	..	..			
	Jammu & Kashmir	..	..	..			
	Punjab	..	..	0.73			
	Rajasthan	..	..	..			
	Uttar Pradesh	1217.24	..	..			
	Chandigarh	..	..	..			
	Delhi	..	..	..			
	<b>SUB-TOTAL</b>	<b>1217.24</b>	<b>0.11</b>	<b>2.00</b>			
<i>Western Region</i>	Gujarat	..	..	..			
	Madhya Pradesh	..	..	..			
	Maharashtra	..	6.58	10.73			
	Goa, Daman & Diu	..	..	..			
	D & N Haveli	..	..	..			
		<b>SUB-TOTAL</b>	<b>..</b>	<b>6.58</b>	<b>10.73</b>		
<i>Eastern Region</i>	Bihar	..	22.35	..			
	Orissa	..	0.01	..			
	West Bengal	..	0.70	0.48			
	A. & N. Islands	..	..	..			
	Sikkim	..	..	..			
		<b>SUB-TOTAL</b>	<b>..</b>	<b>23.06</b>	<b>0.48</b>		
<i>Southern Region</i>	Andhra Pradesh	..	..	..			
	Karnataka	..	0.34	6.43			
	Kerala	..	0.01	..			
	Tamil Nadu	..	..	0.06			
	Pondicherry	..	..	..			
	Lakshadweep	..	..	..			
		<b>SUB-TOTAL</b>	<b>..</b>	<b>0.35</b>	<b>6.49</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>1217.24</b>	<b>30.10</b>	<b>19.70</b>			

TABLE NO. 29—Contd.

(GWH)

State/Uts	Cement (P)	Cement (S)	Chemicals	Collieries
Haryana . . . . .	..	8.08	0.77	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	..	..
Rajasthan . . . . .	41.56	..	37.50	..
Uttar Pradesh . . . . .	..	..	35.16	..
Chandigarh . . . . .	..	..	0.55	..
Delhi . . . . .	..	..	149.41	..
<b>SUB-TOTAL</b> . . . . .	<b>41.56</b>	<b>8.08</b>	<b>223.39</b>	<b>..</b>
Gujarat . . . . .	39.29	0.03	205.66	..
Madhya Pradesh . . . . .	111.21	0.07	1.20	2.28
Maharashtra . . . . .	..	3.06	56.41	..
Goa, Daman & Diu . . . . .	..	..	45.91	..
D & N Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>150.50</b>	<b>3.16</b>	<b>309.18</b>	<b>2.28</b>
Bihar . . . . .	50.64	..	..	73.10
Orissa . . . . .	..	0.16	..	..
West Bengal . . . . .	0.03	0.49	8.46	..
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>50.67</b>	<b>0.65</b>	<b>8.46</b>	<b>73.10</b>
Andhra Pradesh . . . . .	0.08	..	0.16	130.98
Karnataka . . . . .	30.16	..	1.65	..
Kerala . . . . .	..	..	0.01	..
Tamil Nadu . . . . .	0.54	0.66	1.19	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>30.78</b>	<b>0.66</b>	<b>3.01</b>	<b>130.98</b>
Assam . . . . .	..	..	0.04	0.02
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>0.04</b>	<b>0.02</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>273.51</b>	<b>12.55</b>	<b>544.08</b>	<b>206.38</b>

TABLE NO. 29—Contd.

(GWH)

State/Uts	Electrical Engineering	Fertilizer	Food Products	Heavy Engineering
Haryana	1.74	0.04	..	..
Himachal Pradesh	..	..	..	..
Jammu & Kashmir	..	..	..	..
Punjab	0.09	..	2.86	..
Rajasthan	1.56	265.94	0.44	1.43
Uttar Pradesh	32.15	23.85	4.67	3.30
Chandigarh	..	..	..	..
Delhi	..	..	0.07	..
<b>SUB-TOTAL</b>	<b>35.54</b>	<b>289.83</b>	<b>8.04</b>	<b>4.73</b>
Gujarat	0.12	0.03	0.02	..
Madhya Pradesh	4.69	..	0.36	..
Maharashtra	17.51	58.99	3.32	10.57
Goa, Daman & Diu	..	..	..	..
Dadra & Nagar Haveli	..	..	..	..
<b>SUB-TOTAL</b>	<b>22.32</b>	<b>59.02</b>	<b>3.70</b>	<b>10.57</b>
Bihar	0.43	178.23	1.16	25.14
Orissa	..	..	..	..
West Bengal	5.79	2.50	12.37	8.58
A. & N. Islands	..	..	..	..
Sikkim	..	..	..	..
<b>SUB-TOTAL</b>	<b>6.22</b>	<b>180.73</b>	<b>13.53</b>	<b>33.79</b>
Andhra Pradesh	0.06	0.59	0.54	0.07
Karnataka	12.28	..	1.07	2.97
Kerala	..	57.50	0.23	..
Tamil Nadu	0.80	0.60	1.18	1.92
Pondicherry	..	..	..	..
Lakshadweep	..	..	..	..
<b>SUB-TOTAL</b>	<b>13.14</b>	<b>58.69</b>	<b>3.02</b>	<b>4.96</b>
Assam	..	0.60	0.15	..
Manipur	..	..	..	..
Meghalaya	..	..	..	..
Nagaland	..	..	..	..
Tripura	..	..	..	..
Arunachal Pradesh	..	..	..	..
Mizoram	..	..	..	..
<b>SUB-TOTAL</b>	<b>..</b>	<b>0.60</b>	<b>0.15</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>77.72</b>	<b>588.87</b>	<b>28.44</b>	<b>54.05</b>



TABLE NO. 29—Contd.

State/Uts	(GWH)			
	Iron & Steel (P)	Iron & Steel (S)	Jute	Light Engineering
Haryana . . . . .	..	2.46	..	3.86
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	0.04
Punjab . . . . .	..	0.11	..	0.42
Rajasthan . . . . .	..	1.03	..	20.22
Uttar Pradesh . . . . .	..	1.35	3.33	0.91
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	4.95	3.33	25.45
Gujarat . . . . .	..	5.00	..	0.41
Madhya Pradesh . . . . .	233.34	0.03	..	..
Maharashtra . . . . .	..	6.67	..	20.23
Goa, Daman & Diu . . . . .	..	..	..	..
D & N Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	233.34	11.79	..	20.64
Bihar . . . . .	1 144.98	8.96	8.82	..
Orissa . . . . .	497.20	..	..	..
West Bengal . . . . .	212.16	0.09	182.33	0.79
A & N Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	1 854.34	9.05	191.15	0.79
Andhra Pradesh . . . . .	..	..	3.54	..
Karnataka . . . . .	..	..	..	7.36
Kerala . . . . .	..	..	..	0.02
Tamil Nadu . . . . .	..	0.81	..	14.16
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	0.81	3.54	21.54
Assam . . . . .	..	..	..	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..	..
<b>TOTAL (ALL INDIA)</b> . . . . .	2 087.68	26.60	198.02	68.42

TABLE NO. 29—Contd.

(GWH)

State Uts	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non Ferrous	Paper
Haryana . . . . .	..	..	6.01	0.04	66.61
Himachal Pradesh . . . . .	..	..	0.07	..	..
Jammu & Kashmir . . . . .	..	..	..	..	..
Punjab . . . . .	..	..	1.98	..	0.28
Rajasthan . . . . .	..	0.05	..	23.50	..
Uttar Pradesh . . . . .	43.01	..	8.44	..	37.49
Chandigarh . . . . .	..	..	0.14	..	..
Delhi . . . . .	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>43.01</b>	<b>0.05</b>	<b>16.61</b>	<b>23.54</b>	<b>104.38</b>
Gujarat . . . . .	135.27	0.05	0.04	..	22.77
Madhya Pradesh . . . . .	..	..	0.41	0.17	117.18
Maharashtra . . . . .	..	..	13.18	..	37.54
Goa, Daman & Diu . . . . .	..	0.01	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>135.27</b>	<b>0.06</b>	<b>13.63</b>	<b>0.17</b>	<b>177.49</b>
Bihar . . . . .	107.28	..	0.38	43.32	65.99
Orissa . . . . .	..	..	..	0.01	96.09
West Bengal . . . . .	112.39	..	10.67	..	95.69
A & N Islands . . . . .	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>219.67</b>	<b>..</b>	<b>11.05</b>	<b>43.33</b>	<b>257.77</b>
Andhra Pradesh . . . . .	..	..	0.64	..	151.18
Karnataka . . . . .	..	..	3.00	3.13	68.16
Kerala . . . . .	..	..	..	..	..
Tamil Nadu . . . . .	116.42	0.03	2.56	..	35.52
Pondicherry . . . . .	..	..	..	..	..
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>116.42</b>	<b>0.03</b>	<b>6.20</b>	<b>3.13</b>	<b>254.86</b>
Assam . . . . .	128.51	..	0.02	..	10.29
Manipur . . . . .	..	..	..	..	..
Meghalaya . . . . .	..	..	..	..	..
Nagaland . . . . .	..	..	..	..	..
Tripura . . . . .	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>128.51</b>	<b>..</b>	<b>0.02</b>	<b>..</b>	<b>10.29</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>642.88</b>	<b>0.14</b>	<b>47.51</b>	<b>70.17</b>	<b>804.79</b>

TABLE No. 29—Contd.

(GWH)

State/Uts	Plastic	Rubber	Sugar	Textile	Total
Haryana . . . . .	..	4.99	16.59	13.29	125.86
Himachal Pradesh . . . . .	..	..	..	..	0.07
Jammu & Kashmir . . . . .	..	..	..	..	0.04
Punjab . . . . .	..	..	11.86	16.12	34.45
Rajasthan . . . . .	..	..	0.93	58.29	452.45
Uttar Pradesh . . . . .	..	37.70	212.24	29.26	1,690.07
Chandigarh . . . . .	..	..	..	..	0.69
Delhi . . . . .	..	..	..	23.58	173.06
<b>SUB-TOTAL</b> . . . . .	..	42.69	241.69	140.54	2,476.69
Gujarat . . . . .	..	..	65.91	107.30	581.90
Madhya Pradesh . . . . .	..	..	9.23	243.95	724.12
Maharashtra . . . . .	0.63	15.70	292.83	267.17	821.21
Goa, Daman & Diu . . . . .	..	..	..	..	45.92
D & N Haveli . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	0.63	15.70	367.97	618.42	2,173.15
Bihar . . . . .	..	..	26.51	..	1,757.56
Orissa . . . . .	..	..	1.80	5.00	600.27
West Bengal . . . . .	..	8.09	0.14	51.53	713.08
A & N Islands . . . . .	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	8.09	28.45	56.53	3,070.91
Andhra Pradesh . . . . .	6.16	..	60.12	10.22	364.34
Karnataka . . . . .	..	0.22	64.70	54.97	256.44
Kerala . . . . .	..	..	8.38	25.82	91.97
Tamil Nadu . . . . .	..	4.96	95.46	119.16	396.03
Pondicherry . . . . .	..	..	5.47	0.21	5.68
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	6.16	5.18	234.13	210.38	1,114.46
Assam . . . . .	..	..	1.29	0.33	141.25
Manipur . . . . .	..	..	..	..	..
Meghalaya . . . . .	..	..	..	..	..
Nagaland . . . . .	..	..	2.50	..	2.50
Tripura . . . . .	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	3.79	0.33	143.75
<b>TOTAL (ALL INDIA)</b> . . . . .	6.79	71.66	875.96	1,026.20	8,978.96

TABLE NO. 30  
*Electricity Production and Consumption in Selected  
 Industries--Industrywise during 1981-82*

Name of Industry	No. of factories covered	INSTALLED CAPACITY (KW)			
		Steam	Diesel	Hydro/Gas	Total
Aluminium (P)	7	202,500	..	..	202,500
Aluminium (S)	17	4,000	4,304	..	8,304
Automobiles	19	..	20,256	..	20,256
Cement (P)	53	100,200	11,440	..	111,640
Cement (S)	26	..	10,677	..	10,677
Chemicals	189	112,350	91,085	20,000(G)	223,435
Collieries	447	61,015	14,080	..	75,095
Electrical Engg.	95	15,000	53,777	..	68,777
Fertilizer	29	170,480	9,086	..	179,566
Food Products	134	1,740	38,138	..	39,878
Heavy Engineering	42	..	57,754	..	57,754
Iron & Steel (P)	11	520,800	1,112	..	521,912
Iron & Steel (S)	142	944	23,019	..	23,963
Jute	81	29,826	128,450	..	158,276
Light Engineering	153	..	77,146	..	77,146
Mineral Oil & Petroleum	18	171,400	3,767	28,900(G)	204,067
Mining & Quarrying	20	..	563	..	563
Miscellaneous	150	1,489	61,558	..	63,047
Non-Ferrous	30	2,200	32,676	..	34,876
Paper	75	220,025	8,023	..	228,048
Plastic	7	2,970	1,304	..	4,274
Rubber	17	6,000	30,118	..	36,118
Sugar	233	466,066	44,156	..	510,222
Textile	521	174,667	337,944	2,600(H)	515,211
<b>TOTAL</b>	<b>2,516</b>	<b>2,263,672</b>	<b>1,060,433</b>	<b>2,600(H) 48,900(G)</b>	<b>3,375,605</b>

TABLE NO. 30—Contd.

Name of Industry	ENERGY GENERATED (GWH)			
	Steam	Diesel	Hydro/Gas	Total
Aluminium (P)	1,217.24	..	..	1,217.24
Aluminium (S)	22.26	7.84	..	30.10
Automobiles	..	19.70	..	19.70
Cement (P)	272.54	0.97	..	273.51
Cement (S)	..	12.55	..	12.55
Chemicals	451.58	73.79	18.71(G)	544.08
Collieries	198.24	8.14	..	206.38
Electrical Engineering	27.40	49.82	..	77.22
Fertilizer	587.18	1.69	..	588.87
Food Products	..	28.44	..	28.44
Heavy Engineering	..	54.05	..	54.05
Iron & Steel (P)	2,087.68	..	..	2,087.68
Iron & Steel (S)	1.14	25.46	..	26.60
Jute	66.06	131.96	..	198.02
Light Engineering	..	68.42	..	68.42
Mineral Oil & Petroleum	555.61	11.74	75.53(G)	642.88
Mining & Quarrying	..	0.14	..	0.14
Miscellaneous	3.89	43.62	..	47.51
Non-Ferrous	19.85	50.32	..	70.17
Paper	798.24	6.55	..	804.79
Plastic	6.16	0.63	..	6.79
Rubber	27.59	44.07	..	71.66
Sugar	830.13	45.83	..	875.96
Textile	564.54	443.42	18.24(H)	1,026.20
<b>TOTAL</b>	<b>7,737.33</b>	<b>1,129.15</b>	<b>18.24(H)</b> <b>94.24(G)</b>	<b>8,978.96</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)	129·15	3,011·40	4,099·49
Aluminium (S)	1·43	120·87	149·54
Automobiles	0·98	142·81	161·53
Cement (P)	20·30	1,734·57	1,987·78
Cement (S)	0·80	275·22	286·97
Chemicals	69·85	3,934·10	4,404·23
Collieries	18·47	1,329·81	1,496·56
Electrical Engineering	4·97	495·16	567·41
Fertilizer	82·49	4,586·29	5,092·67
Food Products	1·25	425·33	452·52
Heavy Engineering	2·08	619·45	671·42
Iron & Steel (P)	369·72	2,727·41	4,445·37
Iron & Steel (S)	0·95	2,043·55	2,069·20
Jute	13·62	581·32	765·72
Light Engineering	2·73	610·70	676·39
Mineral Oil & Petroleum	91·83	301·87	770·14
Mining & Quarrying	..	88·64	88·78
Miscellaneous	3·33	796·47	840·65
Non-Ferrous	3·41	1,573·07	1,639·83
Paper	79·08	1,261·65	1,987·36
Plastic	0·93	139·29	145·15
Rubber	5·18	266·47	332·95
Sugar	87·81	150·03	938·18
Textile	97·95	5,502·03	6,430·28
<b>TOTAL</b>	<b>1,088·31</b>	<b>32,717·51</b>	<b>40,500·12</b>

TABLE No. 30—Contd.

(GWH)

Name of the Industry	Energy sold to		Aggregate Max. Demand	
	Utilities	Non-Utilities	Generation	Purchase
Aluminium (P) . . . . .	..	..	208,000	563,261
Aluminium (S) . . . . .	..	..	5,708	76,779
Automobiles . . . . .	..	..	11,240	60,523
Cement (P) . . . . .	..	..	58,400	425,527
Cement (S) . . . . .	..	..	5,750	68,403
Chemicals . . . . .	4.10	..	95,892	751,785
Collieries . . . . .	21.16	..	43,543	318,453
Electrical Engineering . . . . .	..	..	32,740	178,696
Fertilizer . . . . .	..	..	111,932	900,858
Food Products . . . . .	..	..	20,210	88,931
Heavy Engineering . . . . .	..	..	28,937	158,732
Iron & Steel (P) . . . . .	..	..	377,000	659,087
Iron & Steel (S) . . . . .	..	..	11,202	505,593
Jute . . . . .	..	..	100,482	131,487
Light Engineering . . . . .	..	..	42,639	229,941
Mineral Oil & Petroleum . . . . .	82.78	..	134,939	92,308
Mining & Quarrying . . . . .	..	..	350	29,269
Miscellaneous . . . . .	..	..	30,537	209,942
Non-Ferrous . . . . .	..	..	13,680	290,623
Paper . . . . .	..	..	164,700	316,858
Plastic . . . . .	..	..	2,560	30,669
Rubber . . . . .	..	..	21,947	86,292
Sugar . . . . .	..	..	342,520	106,052
Textile . . . . .	..	..	247,260	980,232
<b>TOTAL . . . . .</b>	<b>108.04*</b>	<b>..</b>	<b>2,112,168</b>	<b>7,260,301</b>

\*This does not include 1.15 GWH energy purchased by Andaman & Nicobar Islands Electricity Department.

TABLE NO. 31  
*Installed Capacity, Electricity Generation and Consumption in Selected Industries*  
 Regionwise/Statewise during 1981-82

Region	State/Uts	Total No. of Industrial units covered	INSTALLED CAPACITY (KW)			
			Steam	Diesel	Hydro/Gas	Total
<i>Northern Region</i>	Haryana	70	28,084	40,102	..	68,186
	Himachal Pradesh	6	..	365	..	365
	Jammu & Kashmir	1	..	399	..	399
	Punjab	72	8,250	25,284	..	33,534
	Rajasthan	74	73,190	63,752	..	136,942
	Uttar Pradesh	171	421,943	88,801	..	510,744
	Chandigarh	6	..	2,486	..	2,486
	Delhi	17	29,500	2,094	..	31,594
	SUB-TOTAL	417	560,967	223,283	..	784,250
<i>Western Region</i>	Gujarat	255	150,685	93,064	..	243,794
	Madhya Pradesh	114	162,410	13,945	..	176,355
	Maharashtra	425	171,872	212,315	20,000(G)	404,187
	Goa, Daman & Diu	11	7,500	2,739	..	10,239
	D. & N. Haveli	..	..	..	..	..
		SUB-TOTAL	805	492,467	322,063	20,000(G)
<i>Eastern Region</i>	Bihar	254	451,828	48,445	..	500,273
	Orissa	35	160,385	1,522	..	161,907
	West Bengal	395	175,195	221,578	..	396,773
	A. & N. Islands	..	..	..	..	..
	Sikkim	..	..	..	..	..
		SUB-TOTAL	684	787,408	271,545	..
<i>Southern Region</i>	Andhra Pradesh	127	150,810	27,706	..	178,516
	Karnataka	122	106,895	61,698	2,600(H)	171,193
	Kerala	57	32,100	7,491	..	39,591
	Tamil Nadu	267	85,510	133,053	..	218,563
	Pondicherry	10	3,500	1,288	..	4,788
	Lakshadweep	..	..	..	..	..
		SUB-TOTAL	583	378,815	231,236	2,600(H)
<i>North Eastern Region</i>	Assam	25	42,515	12,306	28,900(G)	83,721
	Manipur	..	..	..	..	..
	Meghalaya	1	..	..	..	..
	Nagaland	1	1,500	..	..	1,500
	Tripura	..	..	..	..	..
	Arunachal Pradesh	..	..	..	..	..
	Mizoram	..	..	..	..	..
		SUB-TOTAL	27	44,015	12,306	28,900(G)
	TOTAL (ALL INDIA)	2,516	2,263,672	1,060,433	2,600(H) 48,900(G)	3,375,605



TABLE No. 31—Contd.

State/Uts	AGGREGATE MAXIMUM DEMAND (KW)		ENERGY GENERATION (GWH)			
	Generation	Purchase	Steam	Diesel	Hydro Gas	Total
Haryana . . . . .	37,163	145,610	93.99	31.87	..	125.86
Himachal Pradesh . . . . .	270	4,431	..	0.07	..	0.07
Jammu & Kashmir . . . . .	250	896	..	0.04	..	0.04
Punjab . . . . .	18,251	336,963	10.67	23.78	..	34.45
Rajasthan . . . . .	89,620	257,137	349.19	103.26	..	452.45
Uttar Pradesh . . . . .	382,926	617,091	1,610.36	79.71	..	1,690.07
Chandigarh . . . . .	1,200	5,620	—	0.69	..	0.69
Delhi . . . . .	26,550	34,712	172.99	0.07	..	173.06
<b>SUB-TOTAL</b> . . . . .	<b>556,230</b>	<b>1,402,460</b>	<b>2,237.20</b>	<b>239.49</b>	<b>..</b>	<b>2,476.69</b>
Gujarat . . . . .	119,765	643,966	491.24	90.66	..	581.90
Madhya Pradesh . . . . .	107,640	562,550	713.51	10.61	..	724.12
Maharashtra . . . . .	239,592	974,153	488.98	313.52	18.71(G)	821.21
Goa, Daman & Diu . . . . .	7,300	19,650	45.14	0.78	..	45.92
D. & N. Haveli . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>474,297</b>	<b>2,200,325</b>	<b>1,738.87</b>	<b>415.57</b>	<b>18.71 (G)</b>	<b>2,173.15</b>
Bihar . . . . .	333,528	5,62,099	1,687.59	69.97	..	1,757.56
Orissa . . . . .	122,740	293,143	600.09	0.18	—	600.27
West Bengal . . . . .	192,480	631,187	505.93	207.15	..	713.08
A. & N. Islands . . . . .	..	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>648,748</b>	<b>1,486,429</b>	<b>2,793.61</b>	<b>277.30</b>	<b>..</b>	<b>3,070.91</b>
Andhra Pradesh . . . . .	109,038	503,742	356.27	8.07	..	364.34
Karnataka . . . . .	106,193	673,774	191.87	46.33	18.24 (H)	256.44
Kerala . . . . .	27,395	287,457	91.58	0.39	..	91.97
Tamil Nadu . . . . .	132,081	631,975	268.39	127.64	..	396.03
Pondicherry . . . . .	3,030	7,340	5.40	0.28	..	5.68
Lakshadweep . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>377,737</b>	<b>2,104,288</b>	<b>913.51</b>	<b>182.71</b>	<b>18.24(H)</b>	<b>1,114.46</b>
Assam . . . . .	54,356	60,943	51.64	14.08	75.53(G)	141.25
Manipur . . . . .	..	—	..	..	..	..
Meghalaya . . . . .	..	5,356	..	..	..	..
Nagaland . . . . .	800	500	2.50	..	..	2.50
Tripura . . . . .	..	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>55,156</b>	<b>66,799</b>	<b>54.14</b>	<b>14.08</b>	<b>75.53(G)</b>	<b>143.75</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>2,112,168</b>	<b>7,260,301</b>	<b>7,737.33</b>	<b>1,129.15</b>	<b>94.24</b>	<b>8,978.96</b>
					(G)	
					18.24	
					(H)	

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 . . . . .	11.13	562.25	..	676.98	..	..
Himachal Pradesh . . . . .	..	3.74	..	3.81	..	..
Jammu & Kashmir . . . . .	..	1.36	..	1.40	..	..
Punjab . . . . .	2.29	1,835.06	..	1,867.22	..	..
Rajasthan . . . . .	50.40	810.73	..	1,212.78	..	..
Uttar Pradesh . . . . .	190.19	1,972.74	..	3,472.62	..	..
Chandigarh . . . . .	0.03	22.01	..	22.67	..	..
Delhi . . . . .	21.75	85.05	..	236.36	..	..
<b>SUB-TOTAL</b>	<b>275.79</b>	<b>5292.94</b>	<b>..</b>	<b>7493.84</b>	<b>..</b>	<b>..</b>
Gujarat . . . . .	74.33	4,104.96	..	4,607.73	4.80	..
Madhya Pradesh . . . . .	96.62	2,604.86	..	3,232.36	..	..
Maharashtra . . . . .	60.77	4,368.76	..	5,129.20	..	..
Goa, Daman & Diu . . . . .	0.60	60.39	..	105.71	..	..
D. & N. Haveli . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>232.32</b>	<b>11,138.97</b>	<b>..</b>	<b>13,075.00</b>	<b>4.80</b>	<b>..</b>
Bihar . . . . .	253.65	2,397.73	..	3,880.45	21.19	..
Orissa . . . . .	103.83	1,658.43	..	2,154.87	..	..
West Bengal . . . . .	89.40	2,511.12	..	3,134.73	0.07	..
A. & N. Islands . . . . .	..	..	..	..	..	..
Sikkim . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>446.88</b>	<b>6,567.28</b>	<b>..</b>	<b>9,170.05</b>	<b>21.26</b>	<b>..</b>
Andhra Pradesh . . . . .	33.61	2,108.24	..	2,438.97	..	..
Karnataka . . . . .	19.47	2,878.01	..	3,114.98	..	..
Kerala . . . . .	16.53	1,351.83	..	1,428.27	..	..
Tamil Nadu . . . . .	50.53	3,061.99	..	3,397.49	10.00	..
Pondicherry . . . . .	0.55	30.39	..	35.52	..	..
Lakshadweep . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>119.69</b>	<b>9,430.46</b>	<b>..</b>	<b>10,415.23</b>	<b>10.00</b>	<b>..</b>
Assam . . . . .	13.38	276.18	..	332.07	71.98	..
Manipur . . . . .	..	..	..	..	..	..
Meghalaya . . . . .	..	11.46	..	11.46	..	..
Nagaland . . . . .	0.25	0.22	..	2.47	..	..
Tripura . . . . .	..	..	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..	..	..
Mizoram . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>13.63</b>	<b>287.86</b>	<b>..</b>	<b>346.00</b>	<b>71.98</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>1,088.31</b>	<b>32,717.51</b>	<b>..</b>	<b>40,500.12</b>	<b>108.04</b>	<b>..</b>

TABLE NO. 32  
*Energy Consumption by Selected Industries*  
*Regionwise/Statewise during 1981-82*

(GWH)				
Region	State/Uts	Aluminium (P)	Aluminium (S)	Automobile
<i>Northern Region</i>	Haryana . . . . .	..	1.30	10.83
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	..	..	..
	Punjab . . . . .	..	..	17.39
	Rajasthan . . . . .	..	..	..
	Uttar Pradesh . . . . .	1,414.64	..	..
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	..	..	..
	<b>SUB-TOTAL</b> . . . . .	1,414.64	1.30	28.24
<i>Western Region</i>	Gujarat . . . . .	..	..	..
	Madhya Pradesh . . . . .	738.26	..	2.08
	Maharashtra . . . . .	..	49.17	80.73
	Goa, Daman & Diu . . . . .	..	..	..
	D. & N. Haveli . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	738.26	49.17
<i>Eastern Region</i>	Bihar . . . . .	..	21.52	..
	Orissa . . . . .	317.48	3.49	..
	West Bengal . . . . .	2.44	36.20	17.62
	A. & N. Islands . . . . .	..	..	..
	Sikkim . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	319.92	61.21
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	..	..
	Karnataka . . . . .	799.84	30.86	31.64
	Kerala . . . . .	379.99	7.00	..
	Tamil Nadu . . . . .	446.84	..	1.22
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	1,626.67	37.86
<i>North Eastern Region</i>	Assam . . . . .	..	..	..
	Manipur . . . . .	..	..	..
	Meghalaya . . . . .	..	..	..
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	..	..	..
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
		<b>SUB-TOTAL</b> . . . . .	..	..
	<b>TOTAL (ALL INDIA)</b> . . . . .	4,099.49	149.34	161.53

NOTE : P—Primary

S—Secondary

TABLE No. 32—Contd.

State/UTs	Cement (P)	Cement (S)	Chemicals	Collieries
Haryana . . . . .	45.90	20.90	14.30	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	5.73	..
Rajasthan . . . . .	230.15	..	42.27	..
Uttar Pradesh . . . . .	95.99	..	247.15	..
Chandigarh . . . . .	..	..	10.61	..
Delhi . . . . .	..	..	144.76	..
<b>SUB-TOTAL</b> . . . . .	<b>372.04</b>	<b>20.90</b>	<b>464.82</b>	<b>..</b>
Gujarat . . . . .	165.71	19.03	1,092.83	..
Madhya Pradesh . . . . .	280.38	152.52	170.18	186.01
Maharashtra . . . . .	70.58	19.23	679.55	113.96
Goa, Daman & Diu . . . . .	..	..	65.40	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>516.67</b>	<b>190.78</b>	<b>2,007.96</b>	<b>299.97</b>
Bihar . . . . .	188.23	..	68.29	555.15
Orissa . . . . .	56.65	57.29	50.20	44.55
West Bengal . . . . .	27.06	5.90	207.71	292.40
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>271.94</b>	<b>63.19</b>	<b>326.20</b>	<b>892.10</b>
Andhra Pradesh . . . . .	344.09	..	237.16	293.68
Karnataka . . . . .	208.87	..	264.31	..
Kerala . . . . .	7.63	..	337.52	..
Tamil Nadu . . . . .	232.19	6.70	764.05	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>792.78</b>	<b>6.70</b>	<b>1,603.04</b>	<b>293.68</b>
Assam . . . . .	22.89	5.40	2.21	10.81
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	11.46	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>34.35</b>	<b>5.40</b>	<b>2.21</b>	<b>10.81</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,987.78</b>	<b>286.97</b>	<b>4,404.23</b>	<b>1,496.56</b>

TABLE NO. 32—Contd.

State/Uts	Electrical Engineering	Fertilisers	Food Products	Heavy Engineering
Haryana . . . . .	15.10	166.01	2.68	..
Himachal Pradesh . . . . .	..	..	0.70	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	1.60	1,433.04	44.63	..
Rajasthan . . . . .	5.09	369.78	24.00	3.47
Uttar Pradesh . . . . .	127.80	509.20	28.91	33.29
Chandigarh . . . . .	1.11	..	..	..
Delhi . . . . .	..	..	21.93	..
<b>SUB-TOTAL . . . . .</b>	<b>150.70</b>	<b>2,478.03</b>	<b>122.85</b>	<b>36.76</b>
Gujarat . . . . .	20.48	577.72	50.20	..
Madhya Pradesh . . . . .	66.86	..	13.68	..
Maharashtra . . . . .	107.15	467.23	153.35	78.34
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>194.49</b>	<b>1,044.95</b>	<b>217.23</b>	<b>78.34</b>
Bihar . . . . .	12.30	231.90	3.53	302.61
Orissa . . . . .	..	145.60	..	15.22
West Bengal . . . . .	27.96	108.74	28.19	98.53
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>40.26</b>	<b>486.24</b>	<b>31.72</b>	<b>416.36</b>
Andhra Pradesh . . . . .	74.77	135.04	29.38	29.10
Karnataka . . . . .	94.38	..	10.32	38.95
Kerala . . . . .	6.14	370.80	21.63	..
Tamil Nadu . . . . .	6.67	401.50	14.93	71.91
Pondicherry . . . . .	..	..	1.15	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>181.96</b>	<b>907.34</b>	<b>77.46</b>	<b>139.96</b>
Assam . . . . .	..	176.11	3.26	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>..</b>	<b>176.11</b>	<b>3.26</b>	<b>..</b>
<b>TOTAL : ALL INDIA . . . . .</b>	<b>567.41</b>	<b>5,092.67</b>	<b>452.52</b>	<b>671.42</b>

TABLE NO. 32—Contd.

State/UTs	Iron & Steel (P)	Iron & Steel (S)	Jute	Light Engineering
Haryana . . . . .	..	77·13	..	44·21
Himachal Pradesh . . . . .	..	1·97	..	..
Jammu & Kashmir . . . . .	..	..	..	1·40
Punjab . . . . .	..	121·65	..	50·56
Rajasthan . . . . .	..	40·77	0·73	76·78
Uttar Pradesh . . . . .	..	74·31	8·82	22·68
Chandigarh . . . . .	..	..	..	3·17
Delhi . . . . .	..	3·28	..	1·52
<b>SUB-TOTAL</b> . . . . .	..	<b>319·11</b>	<b>9·55</b>	<b>200·32</b>
Gujarat . . . . .	..	749·20	..	21·51
Madhya Pradesh . . . . .	733·73	71·85	..	12·47
Maharashtra . . . . .	..	201·12	..	172·56
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>733·73</b>	<b>1,022·17</b>	..	<b>206·54</b>
Bihar . . . . .	1,795·44	229·74	20·48	..
Orissa . . . . .	902·50	1·79	..	..
West Bengal . . . . .	547·58	198·52	696·79	27·17
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3,245·52</b>	<b>430·05</b>	<b>717·27</b>	<b>27·17</b>
Andhra Pradesh . . . . .	..	108·56	38·90	6·91
Karnataka . . . . .	466·12	97·16	..	125·99
Kerala . . . . .	..	24·21	..	13·89
Tamil Nadu . . . . .	..	67·78	..	95·57
Pondicherry . . . . .	..	0·16	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>466·12</b>	<b>297·87</b>	<b>38·90</b>	<b>242·36</b>
Assam . . . . .	..	..	..	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	..	..	..	..
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>4,445·37</b>	<b>2,069·20</b>	<b>765·72</b>	<b>676·39</b>

TABLE No. 32—Contd.

State/UTs	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous
Haryana . . . . .	..	..	33.06	0.36
Himachal Pradesh . . . . .	..	..	1.14	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	18.04	..
Rajasthan . . . . .	..	1.96	..	177.34
Uttar Pradesh . . . . .	31.17	..	122.08	..
Chandigarh . . . . .	..	..	7.78	..
Delhi . . . . .	..	..	2.34	..
<b>SUB-TOTAL</b> . . . . .	<b>31.17</b>	<b>1.96</b>	<b>184.44</b>	<b>177.70</b>
Gujarat . . . . .	152.49	0.05	20.35	1.09
Madhya Pradesh . . . . .	..	1.68	123.64	7.19
Maharashtra . . . . .	179.22	..	232.82	107.81
Goa, Daman & Diu . . . . .	..	31.21	6.11	..
D. & N. Haveli . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>331.71</b>	<b>32.94</b>	<b>382.92</b>	<b>116.09</b>
Bihar . . . . .	92.80	16.49	8.96	153.10
Orissa . . . . .	..	26.44	..	331.66
West Bengal . . . . .	86.97	..	139.08	..
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>179.77</b>	<b>42.93</b>	<b>148.04</b>	<b>484.76</b>
Andhra Pradesh . . . . .	20.47	1.48	22.28	464.94
Karnataka . . . . .	..	9.15	41.78	396.34
Kerala . . . . .	37.15	..	12.80	..
Tamil Nadu . . . . .	98.26	0.32	46.72	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>155.88</b>	<b>10.95</b>	<b>123.58</b>	<b>861.28</b>
Assam . . . . .	71.61	..	1.67	..
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>71.61</b>	<b>..</b>	<b>1.67</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>770.14</b>	<b>88.78</b>	<b>840.65</b>	<b>1,639.83</b>

TABLE NO. 32—Contd.

State/UTs	Paper	Plastic	Rubber
Haryana	122.65	..	30.83
Himachal Pradesh	..	..	..
Jammu & Kashmir	..	..	..
Punjab	19.17	..	..
Rajasthan	1.00	..	..
Uttar Pradesh	90.05	..	83.94
Chandigarh	..	..	..
Delhi	..	..	..
<b>SUB-TOTAL</b>	<b>232.87</b>	<b>..</b>	<b>114.77</b>
Gujarat	107.87	..	..
Madhya Pradesh	250.61	..	..
Maharashtra	167.49	131.19	58.51
Goa, Daman & Diu	..	..	..
D. & N. Haveli	..	..	..
<b>SUB-TOTAL</b>	<b>525.97</b>	<b>131.19</b>	<b>58.51</b>
Bihar	139.49	..	..
Orissa	188.75	..	..
West Bengal	228.58	0.58	65.51
A. & N. Islands	..	..	..
Sikkim	..	..	..
<b>SUB-TOTAL</b>	<b>556.82</b>	<b>0.58</b>	<b>65.51</b>
Andhra Pradesh	341.28	13.38	..
Karnataka	187.01	..	2.19
Kerala	21.31	..	29.33
Tamil Nadu	86.59	..	62.64
Pondicherry	7.53	..	..
Lakshadweep	..	..	..
<b>SUB-TOTAL</b>	<b>643.72</b>	<b>13.38</b>	<b>94.16</b>
Assam	27.98	..	..
Manipur	..	..	..
Meghalaya	..	..	..
Nagaland	..	..	..
Tripura	..	..	..
Arunachal Pradesh	..	..	..
Mizoram	..	..	..
<b>SUB-TOTAL</b>	<b>27.98</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIAL)</b>	<b>1,987.36</b>	<b>145.15</b>	<b>332.95</b>



TABLE NO. 32—Contd.

State/UTs	Sugar	Textile	Total
Haryana . . . . .	18.59	73.11	676.98
Himachal Pradesh . . . . .	..	..	3.81
Jammu & Kashmir . . . . .	..	..	1.40
Punjab . . . . .	15.52	139.89	1,867.22
Rajasthan . . . . .	4.58	234.86	1,212.78
Uttar Pradesh . . . . .	232.25	350.34	3,472.62
Chandigarh . . . . .	..	..	22.67
Delhi . . . . .	..	62.53	236.36
<b>SUB-TOTAL</b> . . . . .	<b>270.94</b>	<b>860.73</b>	<b>7,493.84</b>
Gujarat . . . . .	62.64	1,566.56	4,607.73
Madhya Pradesh . . . . .	9.14	412.08	3,232.36
Maharashtra . . . . .	298.04	1,761.15	5,129.20
Goa, Daman & Diu . . . . .	..	2.99	105.71
D. & N. Haveli . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>369.82</b>	<b>3,742.78</b>	<b>13,075.00</b>
Bihar . . . . .	28.29	12.13	3,880.45
Orissa . . . . .	3.08	10.17	2,154.87
West Bengal . . . . .	1.94	289.26	3,134.73
A. & N. Islands . . . . .	..	..	..
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>33.31</b>	<b>311.56</b>	<b>9,170.05</b>
Andhra Pradesh . . . . .	69.57	207.98	2,438.97
Karnataka . . . . .	73.97	236.10	3,114.98
Kerala . . . . .	8.70	150.12	1,428.27
Tamil Nadu . . . . .	102.14	891.46	3,397.49
Pondicherry . . . . .	5.78	20.90	35.52
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>260.16</b>	<b>1,506.56</b>	<b>10,415.23</b>
Assam . . . . .	1.48	8.65	332.07
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	11.46
Nagaland . . . . .	2.47	..	2.47
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3.95</b>	<b>8.65</b>	<b>346.00</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>938.18</b>	<b>6,430.28</b>	<b>40,500.12</b>

TABLE NO. 33

*Classification of Captive Plants—Capacitywise during 1981-82*

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	777	346·61	10·27	278·91	3·11
Over 1·00 upto 10·00	554	1,450·30	42·96	2,454·72	27·34
Over 10·00 upto 25·00	35	553·09	16·39	1,951·01	21·73
Above 25·00	14	1,025·60	30·38	4,294·32	47·82
TOTAL	1,380	3,375·60	100·00	8,978·96	100·00

TABLE No. 34  
*Installed Plant Capacity and Electricity Generation by the Railways*  
 Regionwise/Statewise during the year 1981-82

Region	Name of State/UT	Installed plant capacity (KW)		
		Steam	Diesel	Total
<i>Northern Region</i>	Haryana . . . . .	..	1,356	1,356
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	..	275	275
	Punjab . . . . .	..	2,111	2,111
	Rajasthan . . . . .	2,000	5,835	7,835
	Uttar Pradesh . . . . .	4,500	6,724	11,224
	Delhi . . . . .	..	1,116	1,116
	<b>SUB-TOTAL</b> . . . . .	<b>6,500</b>	<b>17,417</b>	<b>23,917</b>
<i>Western Region</i>	Gujarat . . . . .	2,500	1,499	3,999
	Madhya Pradesh . . . . .	..	2,995	2,995
	Maharashtra . . . . .	..	2,105	2,105
	<b>SUB-TOTAL</b> . . . . .	<b>2,500</b>	<b>6,599</b>	<b>9,099</b>
<i>Eastern Region</i>	Bihar . . . . .	2,800	4,829	7,629
	West Bengal . . . . .	7,160	4,176	11,336
	<b>SUB-TOTAL</b> . . . . .	<b>9,960</b>	<b>9,005</b>	<b>18,965</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	..	1,430	1,430
	Karnataka . . . . .	..	1,564	1,564
	Kerala . . . . .	..	155	115
	Tamil Nadu . . . . .	..	1,116	1,116
	<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>4,225</b>	<b>4,225</b>
<i>North Eastern Region</i>	Assam . . . . .	..	4,184	4,184
	Nagaland . . . . .	..	..	120
	<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>4,304</b>	<b>4,304</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>18,960</b>	<b>41,550</b>	<b>60,510</b>

TABLE No. 34—Contd.

(GWH)

Name of State/UTs.	Maximum Demand (KVA)	Electricity Generation			Energy used in Auxiliaries (GWH)
		Steam	Diesel	Total	
Haryana . . . . .	803	..	0.34	0.34	Neg.
Himachal Pradesh . . . . .	..	..	..	..	..
Jammu & Kashmir . . . . .	205	..	0.02	0.02	Neg.
Punjab . . . . .	1,568	..	0.31	0.31	Neg.
Rajasthan . . . . .	4,556	1.64	1.08	2.72	0.16
Uttar Pradesh . . . . .	7,790	4.15	2.21	6.36	0.22
Delhi . . . . .	450	..	0.45	0.45	Neg.
<b>SUB-TOTAL</b> . . . . .	<b>15,372</b>	<b>5.79</b>	<b>4.41</b>	<b>10.20</b>	<b>0.38</b>
Gujarat . . . . .	2,080	5.77	0.04	5.81	0.43
Madhya Pradesh . . . . .	1,470	..	0.28	0.28	Neg.
Maharashtra . . . . .	1,187	..	0.17	0.17	Neg.
<b>SUB-TOTAL</b> . . . . .	<b>4,737</b>	<b>5.77</b>	<b>0.49</b>	<b>6.26</b>	<b>0.43</b>
Bihar . . . . .	6,064	9.23	2.22	11.45	2.05
West Bengal . . . . .	5,627	10.94	4.37	15.31	1.10
<b>SUB-TOTAL</b> . . . . .	<b>11,691</b>	<b>20.17</b>	<b>6.59</b>	<b>26.76</b>	<b>3.15</b>
Andhra Pradesh . . . . .	800	..	0.05	0.05	..
Karnataka . . . . .	907	..	0.12	0.12	..
Kerala . . . . .	90	..	0.01	0.01	..
Tamil Nadu . . . . .	710	..	0.08	0.08	Neg.
<b>SUB-TOTAL</b> . . . . .	<b>2,507</b>	<b>..</b>	<b>0.26</b>	<b>0.26</b>	<b>..</b>
Assam . . . . .	2,963	..	1.24	1.24	0.26
Nagaland . . . . .	100	..	0.01	0.01	Neg.
<b>SUB-TOTAL</b> . . . . .	<b>3,063</b>	<b>..</b>	<b>1.25</b>	<b>1.25</b>	<b>0.26</b>
<b>TOTAL (ALL-INDIA)</b> . . . . .	<b>37,370</b>	<b>31.73</b>	<b>13.00</b>	<b>44.73</b>	<b>4.22</b>

TABLE NO. 35

*Zonewise Installed Plant Capacity and Electricity Generation by the Railways during the year 1981-82*

Sl. No.	Name of Railways	Installed capacity (KW)		
		Steam	Diesel	Total
1.	Central Railways . . . . .	..	6,413	6,413
2.	Eastern Railways . . . . .	2,800	3,500	6,300
3.	Northern Railways . . . . .	2,500	11,877	14,377
4.	North Eastern Railways . . . . .	2,000	3,007	5,007
5.	North East Frontier Railways . . . . .	..	7,393	7,393
6.	Southern Railways . . . . .	..	1,327	1,323
7.	South Central Railways . . . . .	..	2,848	2,848
8.	South Eastern Railways . . . . .	7,160	..	7,160
9.	Western Railways . . . . .	4,500	5,189	9,689
	<b>TOTAL . . . . .</b>	<b>18,960</b>	<b>41,550</b>	<b>60,510</b>

TABLE NO. 35—Contd.

Sl. No.	Maximum Demand (KVA)	Electricity Generation (GWH)			Energy used in Auxiliaries (GWH)
		Steam	Diesel	Total	
1.	4,043	..	0.66	0.66	0.03
2.	6,000	9.23	0.98	10.21	2.03
3.	9,697	4.15	2.83	6.98	0.38
4.	2,700	..	1.70	1.70	0.05
5.	5,018	..	5.78	5.78	0.05
6.	1,011	..	0.09	0.09	Neg.
7.	1,643	..	0.13	0.13	Neg.
8.	2,250	10.94	..	10.94	1.09
9.	5,008	7.41	0.83	8.24	0.59
<b>TOTAL</b>	<b>37,370</b>	<b>31.73</b>	<b>13.00</b>	<b>44.73</b>	<b>4.22</b>

SECTION V  
**Electric Power Supply  
and  
System Losses**

### ELECTRIC POWER SUPPLY AND SYSTEM LOSSES

During the year 1981-82 gross electricity generation was 122101.43 Gwh, out of this 8287.53 Gwh was used in power station auxiliaries which represents 6.79% of the gross electricity generation. Thus net generation at the bus-bar was 113813.90 Gwh. Electricity purchased by Public Utilities from captive plants was 109.19 Gwh and electricity imported from Nepal was 5.16 Gwh. Thus the total electricity available for supply during the year was 113928.25 Gwh compared to 103733.86 Gwh during the year 1980-81.

Electricity sold to various classes of consumers during the year 1981-82 was 90245.33 Gwh and electricity exported outside the country i.e. to Nepal and Bhutan was 93.96 Gwh. The Electricity lost in transformation, transmission and distribution system and electricity unaccounted for worked out to 23588.96 Gwh representing 20.71% of the total electricity available as compared to 20.56% during 1980-81. Amongst all the regions percentage system losses were maximum in North Eastern Region (24.84%), This was followed by Northern Region (22.18%) Southern Region (21.49%), Western Region (19.40%), and Eastern Region (17.59%).

The various tables in this section represents the region-wise, statewide and Board-wise, T & D losses transfer of electricity between different systems, electricity consumed in power station auxiliaries.

TABLE No. 36  
*Electricity Generated, Purchased, Sold and Energy Losses*  
 (ALL INDIA UTILITIES) during 1981-82

Sl. No.	Item	Energy (GWH)	Percentage of item 1
1	Energy generated (gross) (utilities)	122,101.43	100.00
2	Energy used in power station auxiliaries	8,287.53	6.79
3	Energy generated (Net) i.e. (1)—(2)	113,813.90	93.21
		Energy (GWH)	Percentage of item 6
4	Energy purchased from non-utilities	109.19	0.10
5	Energy imported from other countries (Nepal)	5.16	Neg.
6	Energy available for supply [(i.e. (3) + (4) + (5))]	113,928.25	100.00
7	Energy sold to ultimate consumers	90,245.33	79.21
8	Energy sold to other countries (Nepal & Bhutan)	93.96	0.08
9	Total energy sold i.e. [(7) + (8)]	90,339.29	79.29
10	Energy lost in transformation, transmission & distribution and unaccounted for i.e. (6)—(9)	23,588.96	20.71

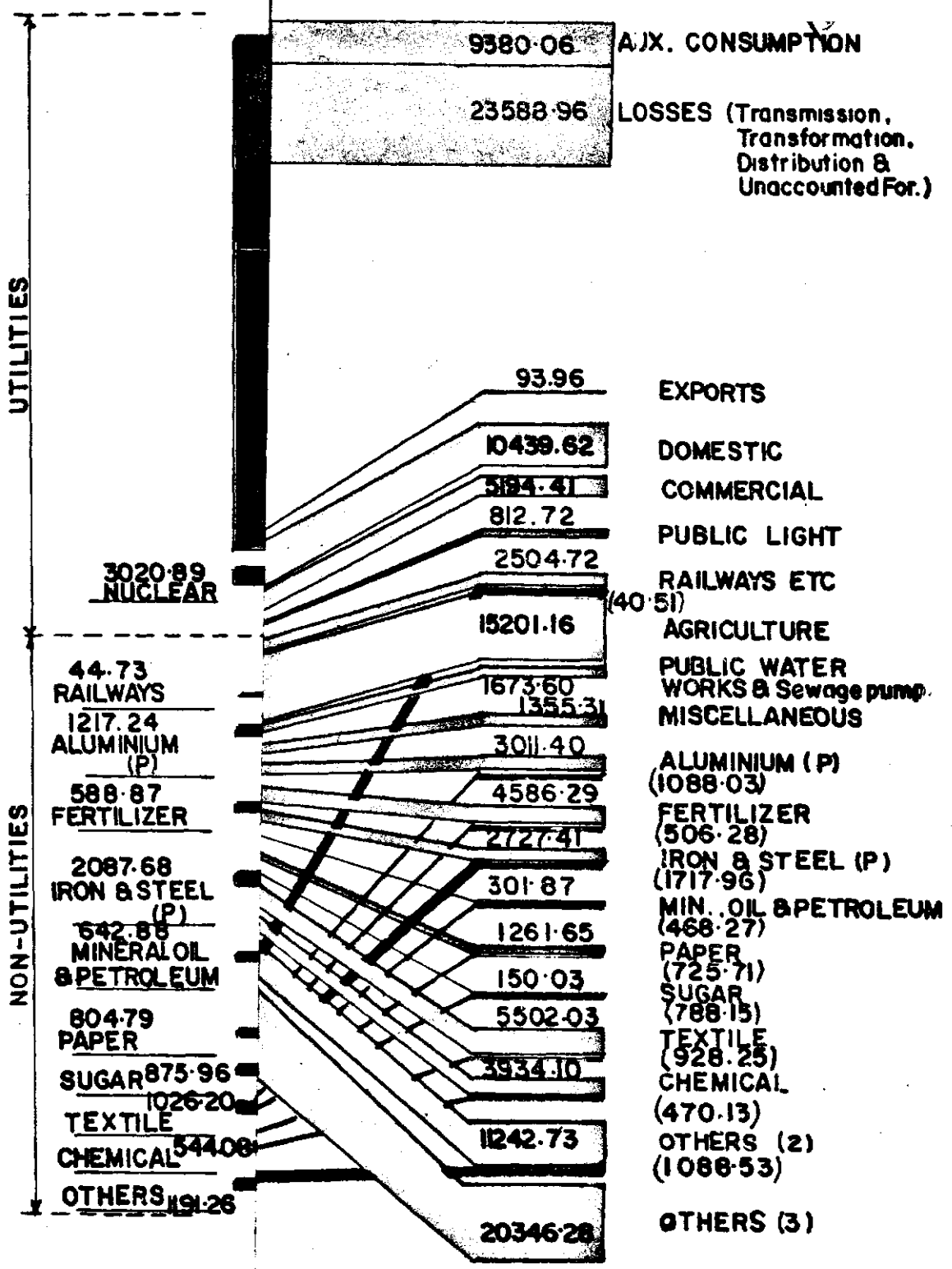
TABLE No. 37  
*Energy lost in Transmission and Distribution System*  
 Regionwise during 1981-82

Region	(GWH)				
	Northern	Western	Eastern	Southern	North Eastern
<i>I. Energy generated net</i>	30,434.64	34,649.97	16,052.20	31,521.69	1,155.40
<i>II. Energy Purchased</i>					
(a) from non-utilities	..	4.80	22.41	10.00	71.98
(b) from other regions	14.20	556.41	395.14	132.72	..
(c) from other countries	..	..	5.16	..	..
SUB-TOTAL	14.20	561.21	422.71	142.72	71.98
<i>III. Total energy available (I+II)</i>	30,448.84	35,211.68	16,474.91	31,664.41	1,227.38
<i>IV. Sales</i>					
(a) to ultimate consumers	23,228.62	28,258.94	13,509.40	24,340.64	907.73
(b) to other regions	418.97	122.43	24.49	519.65	12.93
(c) to other countries	48.32	..	43.85	..	1.79
SUB-TOTAL IV	23,695.91	28,381.37	13,577.74	24,860.29	922.45
<i>V. Energy lost in transmission &amp; distribution &amp; unaccounted for</i>	67,52.93	6,829.81	2,897.17	6,804.12	304.93
<i>VI. Percentage energy loss (V/III)</i>	22.18	19.40	17.59	21.49	24.84

NOTE : 1. Net generation of jointly owned projects have been shown divided between the partner States as per their theoretical shares.  
 2. In the case of projects, jointly owned by States of different regions, excess/less drawal of energy than theoretical share have been treated as inter-regional purchase/sale respectively.



(ALL FIGURES IN GWh)



UTILITIES

NON-UTILITIES

3020.89  
NUCLEAR

44.73  
RAILWAYS

1217.24  
ALUMINIUM  
(P)

588.87  
FERTILIZER

2087.68  
IRON & STEEL  
(P)

642.88  
MINERAL OIL  
& PETROLEUM

804.79  
PAPER

875.96  
SUGAR

1026.20  
TEXTILE

544.08  
CHEMICAL

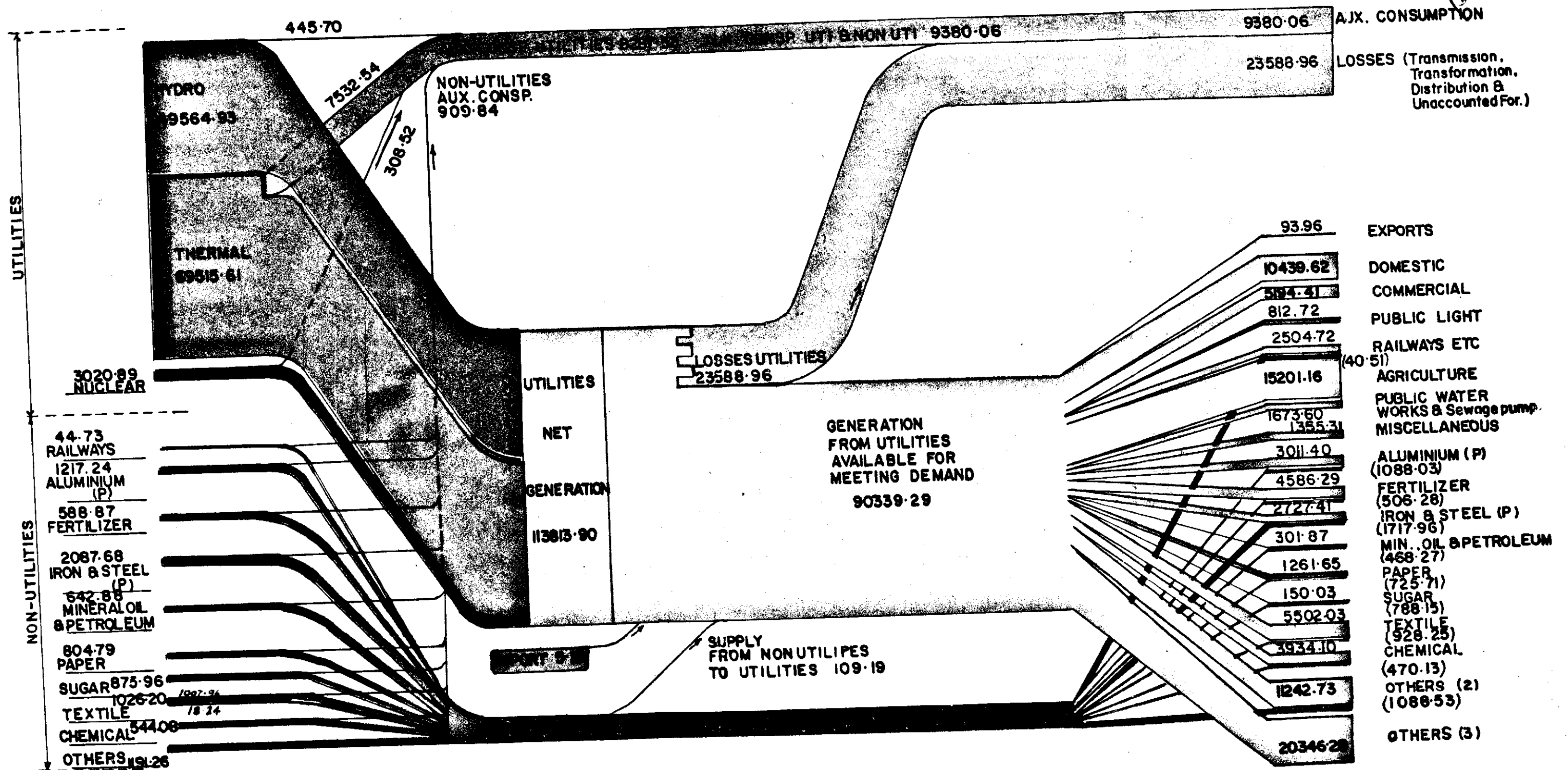
191.26  
OTHERS

(40.51)

PERC  
NOTE:

# ALL INDIA ELECTRICITY SUPPLY SYSTEM, ELECTRICAL ENERGY BALANCE-1981-82

(ALL FIGURES IN GWH)



PERCENTAGE T & D LOSSES UTILITIES ONLY  $23588.96 \div (11383.9 + 93.96 + 109.19) = 20.71\%$

NOTE: 1. Energy Figures in bracket refer to the supply from non-utilities own generation for the particular industry.  
 2. Non-utilities includes industries with installed generating capacity equal to or more than 100 KW & or contracted demand equal to or more than 500 KVA.

TABLE NO. 38

*Energy Generation (Net), Inter System Transfer of Power, Utilisation of Energy and System Losses  
Regionwise/Statewise during 1981-82*

(GWH)

Region	State/U.Ts.	Net generation in own power houses (other than jointly owned projects & Central Govt. Projects)	Energy received from		
			Jointly owned & Central Govt. projects (except B.B. M.B.&D.V.C.)	Self genera- ting indus- tries	From other States inclu- ding B.B.M.B. & D.V. C. including from outside the country
1	2	3	4	5	6
Northern Region	Haryana . . . . .	1,101.53	143.50	..	2,737.52
	Himachal Pradesh . . . . .	429.74	45.99	..	259.14
	Jammu & Kashmir . . . . .	777.39	113.23	..	183.42
	Punjab . . . . .	1,916.17	..	..	4,653.56
	Rajasthan . . . . .	23.07	1,778.27	..	2,464.08
	Uttar Pradesh . . . . .	10,389.67	4.92	..	252.98
	Chandigarh . . . . .	0.22	..	..	250.33
	Delhi . . . . .	538.19	2,432.72	..	182.35
B.B.M.B. . . . .	10,405.90	..	..	..	
Western Region	Gujarat . . . . .	9,309.17	872.08	4.80	..
	Madhya Pradesh . . . . .	4,607.84	1,754.35	..	190.56
	Maharashtra . . . . .	17,338.98	1,101.68	..	81.69
	Goa, Daman & Diu . . . . .	..	..	..	292.86
	D. & N. Haveli . . . . .	..	..	..	9.96
Southern Region	Bihar . . . . .	2,242.40	..	21.19	3,523.64
	Orissa . . . . .	3,066.52	382.73	..	165.69
	West Bengal . . . . .	5,139.26	..	0.07	2,293.54
	D.V.C. . . . .	5,358.86	..	..	412.02
	A. & N. Islands . . . . .	10.96	..	1.15	..
	Sikkim . . . . .	26.88	..	..	..
Northern Region	Andhra Pradesh . . . . .	7,821.50	498.31	..	41.22
	Karnataka . . . . .	7,035.15	70.11	..	1,088.42
	Kerala . . . . .	5,497.51	..	..	43.68
	Tamil Nadu . . . . .	7,416.50	3,005.53	10.00	1,135.26
	Pondicherry . . . . .	..	..	..	176.09
	Lakshadweep . . . . .	1.67	..	..	..
North-Eastern Region	Assam . . . . .	698.71	..	71.98	278.62
	Manipur . . . . .	17.26	..	..	12.35
	Meghalaya . . . . .	367.60	..	..	..
	Nagaland . . . . .	1.39	..	..	48.37
	Tripura . . . . .	50.88	..	..	3.35
	Arunachal Pradesh . . . . .	16.58	..	..	1.67
	Mizoram . . . . .	2.98	..	..	5.24

TABLE No. 38—Contd.

Name of State/U.Ts.	Energy sent out To/Sold to			
	Energy available in the state (3+4+5+6)	Other States including out- side the country	Ultimate con- sumers within the State	Total (5+9)
1	7	8	9	10
<i>Northern Region</i>				
Haryana . . . . .	3,982.55	196.25	2,999.41	3,195.66
Himachal Pradesh . . . . .	734.87	283.75	299.05	582.80
Jammu & Kashmir ? . . . . .	1,074.04	61.05	538.83	602.88
Punjab . . . . .	6,569.73	268.27	5,082.25	5,350.52
Rajasthan . . . . .	4,265.42	21.90	3,131.23	3,153.13
Uttar Pradesh . . . . .	10,647.57	154.88	8,492.32	8,647.20
Chandigarh . . . . .	250.55	..	179.98	179.98
Delhi . . . . .	3,153.26	..	2,505.55	2,505.55
B.B.M.B. . . . .	10,405.90	10,113.24	..	10,113.24
<i>Western Region</i>				
Gujarat . . . . .	10,186.05	20.35	8,105.71	8,126.06
Madhya Pradesh . . . . .	6,552.75	50.40	5,014.14	5,064.54
Maharashtra . . . . .	18,522.35	404.47	14,932.59	15,337.06
Goa, Daman & Diu . . . . .	292.86	..	198.79	198.79
D. & N. Haveli . . . . .	9.96	..	7.71	7.71
<i>Eastern Region</i>				
Bihar . . . . .	5,787.23	317.96	4,505.34	4,823.30
Orissa . . . . .	3,614.94	77.06	2,846.70	2,923.76
West Bengal . . . . .	7,432.87	163.16	6,127.78	6,290.94
D.V.C. . . . .	5,770.88	5,679.16	..	5,679.16
A. & N. Islands . . . . .	12.11	..	9.59	9.59
Sikkim . . . . .	26.88	1.00	19.99	20.99
<i>Southern Region</i>				
Andhra Pradesh . . . . .	8,361.03	302.93	6,070.62	6,373.55
Karnataka . . . . .	8,193.68	359.06	6,016.58	6,375.64
Kerala . . . . .	5,543.19	1,701.70	2,993.00	4,694.70
Tamil Nadu . . . . .	11,567.29	334.50	9,109.52	9,444.02
Pondicherry . . . . .	176.09	..	149.48	149.48
Lakshadweep . . . . .	1.67	..	1.44	1.44
<i>North-Eastern Region</i>				
Assam . . . . .	1,049.31	73.35	752.30	825.65
Manipur . . . . .	29.61	..	13.30	13.30
Meghalaya . . . . .	367.60	275.72	62.34	338.06
Nagaland . . . . .	49.76	12.35	23.32	35.67
Tripura . . . . .	54.23	1.02	37.96	38.98
Arunachal Pradesh . . . . .	18.25	1.88	12.24	14.12
Mizoram . . . . .	8.22	..	6.27	6.27

TABLE NO. 38—Contd.

Name of State/U.Ts.	Transformation, Transmission, Distribution losses & Energy un-accounted for	
	(GWH) (7—10)	% of column 7
1	11	12
<i>Northern Region</i>		
Haryana . . . . .	786.89	19.76
Himachal Pradesh . . . . .	152.07	20.69
Jammu & Kashmir . . . . .	471.16	43.87
Punjab . . . . .	1,219.21	18.56
Rajasthan . . . . .	1,112.29	26.08
Uttar Pradesh . . . . .	2,000.37	18.79
Chandigarh . . . . .	70.57	28.17
Delhi . . . . .	647.71	20.54
B.B.M.B. . . . .	292.66	2.81
	6,752.93	22.18
<i>Western Region</i>		
Gujarat . . . . .	2,059.99	20.22
Madhya Pradesh . . . . .	1,488.21	22.71
Maharashtra . . . . .	3,185.29	17.20
Goa, Daman & Diu . . . . .	94.07	32.12
D. & N. Haveli . . . . .	2.25	22.59
	6,829.81	19.40
<i>Eastern Region</i>		
Bihar . . . . .	963.93	16.66
Orissa . . . . .	691.18	19.12
West Bengal . . . . .	1,141.93	15.36
D.V.C. . . . .	91.72	1.59
A. & N. Islands . . . . .	2.52	20.81
Sikkim . . . . .	5.89	21.91
	2,897.17	17.59
<i>Southern Region</i>		
Andhra Pradesh . . . . .	1,987.48	23.77
Karnataka . . . . .	1,818.04	22.19
Kerala . . . . .	848.49	15.31
Tamil Nadu . . . . .	2,123.27	18.36
Pondicherry . . . . .	26.61	15.11
Lakshadweep . . . . .	0.23	13.77
	6,804.12	21.49
<i>North-Eastern Region</i>		
Assam . . . . .	223.66	21.31
Manipur . . . . .	16.31	55.08
Meghalaya . . . . .	29.54	8.04
Nagaland . . . . .	14.09	28.32
Tripura . . . . .	15.25	28.12
Arunachal Pradesh . . . . .	4.13	22.63
Mizoram . . . . .	1.95	23.72
	304.93	24.84
ALL INDIA . . . . .	23,588.96	20.17

NOTE 1 For details of All India and Region-wise losses refer tables 36 and 37 respectively.

TABLE NO. 39  
*Energy Generation (Net), Intersystem Transfer of Energy Utilisation and Losses by State Electricity Boards, DVC, B.B.M.B., & D.E.S.U. during 1981-82*

(GWH)

Name of the Region/Board Undertaking	Net Generation, in own Power Houses (other than jointly owned Central Govt. Projects)	Energy received from	
		Utilites within State/ jointly owned Central Govt. Projects except DVC & BBMB	Other Boards/Electric Under takings (including DVC & BBMB)
1	2	3	4
<i>Northern Region</i>			
Haryana . . . . .	1,101.53	143.50	2,737.52
Himachal Pradesh . . . . .	429.74	..	259.14
Jammu & Kashmir . . . . .	777.39	86.79	183.42
Punjab . . . . .	1,916.17	..	4,079.16
Rajasthan . . . . .	23.07	1,741.18	2,464.08
Uttar Pradesh . . . . .	10,389.67	4.92	252.98
B.B.M.B. . . . .	10,405.90	..	..
D.E.S.U. . . . .	538.19	2,429.67	182.35
<i>Western Region</i>			
Gujarat . . . . .	7,833.45	902.10	..
Madhya Pradesh . . . . .	4,607.84	1,754.35	190.56
Maharashtra . . . . .	13,911.98	2,790.64	81.69
<i>Eastern Region</i>			
Bihar . . . . .	2,231.90	..	18,35.55
Orissa . . . . .	3,066.52	382.73	165.69
West Bengal . . . . .	2,875.12	398.06	572.81
D.V.C. . . . .	5,358.86	..	412.02
<i>Southern Region</i>			
Andhra Pradesh . . . . .	7,821.50	489.51	41.22
Karnataka . . . . .	7,035.15	67.91	1,088.42
Kerala . . . . .	5,497.51	..	45.68
Tamil Nadu . . . . .	7,416.50	2,688.28	1,135.26
<i>North-Eastern Region</i>			
Assam . . . . .	698.71	..	278.62
Meghalaya . . . . .	367.60	..	..

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 indus- tries	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
1	5	6	7	8
<i>Northern Region</i>				
Haryana . . . . .	..	3,982.55	..	196.25
Himachal Pradesh . . . . .	..	688.88	..	283.75
Jammu & Kashmir . . . . .	..	1,047.60	10.36	64.05
Punjab . . . . .	..	5,995.33	178.10	268.27
Rajasthan . . . . .	..	4,228.33	8.81	21.90
Uttar Pradesh . . . . .	..	10,647.57	47.84	154.88
B.B.M.B. . . . .	..	10,405.90	..	10,113.24
D.E.S.U. . . . .	..	3,150.21	444.22	..
<i>Western Region</i>				
Gujarat . . . . .	4.80	8,740.35	1,254.34	20.35
Madhya Pradesh . . . . .	..	6,552.75	34.18	50.40
Maharashtra . . . . .	..	16,784.31	4,486.98	404.47
<i>Eastern Region</i>				
Bihar . . . . .	21.19	4,088.64	16.15	317.96
Orissa . . . . .	..	3,614.94	8.77	77.06
West Bengal . . . . .	0.07	3,846.06	1,278.83	81.45
D.V.C. . . . .	..	5,770.88	..	5,679.16
<i>Southern Region</i>				
Andhra Pradesh . . . . .	..	8,352.23	77.61	302.93
Karnataka . . . . .	..	8,191.48	24.22	359.06
Kerala . . . . .	..	5,543.19	46.73	1,701.70
Tamil Nadu . . . . .	10.00	11,248.04	234.00	334.50
<i>North-Eastern Region</i>				
Assam . . . . .	71.98	1,049.31	..	73.35
Meghalaya . . . . .	..	367.60	..	275.72

TABLE No. 39—*Concl'd.*

Name of the Board/Undertakings	Energy sold to Ultimate consumers	Total sold (7+8+9)	Transformation, Transmission, Distribution losses and energy unaccounted for	
			(GWH) (6-10)	% of col. 6
1	9	10	11	12
<i>Northern Region</i>				
Haryana . . . . .	29,999.41	3,195.66	786.89	19.76
Himachal Pradesh . . . . .	285.97	569.72	119.16	17.30
Jammu & Kashmir . . . . .	505.00	579.41	468.19	44.69
Punjab . . . . .	4,352.91	4,799.28	1,196.05	19.95
Rajasthan . . . . .	3,123.67	3,154.38	1,073.95	25.40
Uttar Pradesh . . . . .	8,457.12	8,659.84	1,987.73	18.67
B.B.M.B. . . . .	..	10,113.24	292.66	2.81
D.E.S.U. . . . .	2,099.70	2,543.92	606.29	19.25
<i>Western Region</i>				
Gujarat . . . . .	5,723.40	6,998.09	1,742.26	19.93
Madhya Pradesh . . . . .	4,989.03	5,073.61	1,479.14	22.57
Maharashtra . . . . .	9,325.28	14,216.73	2,567.58	15.30
<i>Eastern Region</i>				
Bihar . . . . .	2,808.30	3,142.41	946.23	23.14
Orissa . . . . .	2,843.21	2,929.04	685.90	18.97
West Bengal . . . . .	1,861.05	3,221.33	624.73	16.24
D.V.C.. . . . .	..	5,679.16	91.72	1.59
<i>Southern Region</i>				
Andhra Pradesh . . . . .	6,016.12	6,396.66	1,955.57	23.41
Karnataka . . . . .	6,007.41	6,390.69	1,800.79	21.98
Kerala . . . . .	2,954.54	4,702.97	840.22	15.16
Tamil Nadu . . . . .	8,597.80	9,166.30	2,081.74	18.51
<i>North-Eastern Region</i>				
Assam . . . . .	752.30	825.65	223.66	21.31
Meghalaya . . . . .	62.34	338.06	29.54	8.04

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 1981-82

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>Northern Region</i>	Haryana	14,604	1,499	N.A.
	Himachal Pradesh	585	279	N.A.
	Jammu & Kashmir	N.A.	N.A.	N.A.
	Punjab	60,717	4,243	10.12
	Rajasthan	8,789	2,339	2.24
	Uttar Pradesh	N.A.	N.A.	N.A.
<i>Western Region</i>	Gujarat	10,521	2,071	3.79
	Madhya Pradesh	307,468	10,929	6.58
	Maharashtra	N.A.	N.A.	N.A.
<i>Eastern Region</i>	Bihar	948	626	N.A.
	Orissa	N.A.	N.A.	N.A.
	West Bengal	N.A.	N.A.	N.A.
<i>Southern Region</i>	Andhra Pradesh	10,177	6,913	38.52
	Karnataka	N.A.	N.A.	N.A.
	Kerala	N.A.	N.A.	N.A.
	Tamil Nadu	N.A.	N.A.	N.A.
<i>North-Eastern Region</i>	Assam	N.A.	N.A.	N.A.
	Meghalaya	44	N.A.	N.A.

NOTE :—N.A. = Data not available.

TABLE NO. 41  
Gross Generation, Net Energy Generation and Auxiliary consumption  
(UTILITIES ONLY)  
Prime Moverwise—Regionwise/Statewise during 1981-82

Region	Name of the State/U.Ts.	Total			
		Gross generation (GWH)	Net generation (GWH)	Auxiliary consumption (GWH)	% to Gross Generation
Northern Region	Haryana	4,807.55	4,556.73	250.82	5.22
	Himachal Pradesh	431.67	429.74	1.93	0.45
	Jammu & Kashmir	784.74	777.39	7.35	0.94
	Punjab	6,996.80	6,754.87	241.93	3.46
	Rajasthan	3,546.16	3,473.74	72.42	2.04
	Uttar Pradesh	11,348.03	10,389.67	958.36	8.45
	Chandigarh	0.24	0.22	0.02	8.33
	Delhi	1,113.29	997.00	116.29	10.45
	Central Sector	3,554.69	3,055.28	499.41	14.05
	SUB-TOTAL	32,583.17	30,434.64	2,148.53	6.59
Western Region	Gujarat	10,207.44	9,309.17	898.27	8.80
	Madhya Pradesh	6,620.41	6,028.06	592.35	8.95
	Maharashtra	18,682.02	17,338.98	1,343.04	7.19
	Goa, Daman & Diu	..	..	..	..
	D. & N. Haveli	..	..	..	..
	Central sector	2,139.56	1,973.76	165.80	7.75
	SUB-TOTAL	37,649.43	34,649.97	2,999.46	7.97
Eastern Region	Bihar	2,582.72	2,242.40	340.32	13.18
	Orissa	3,367.46	3,273.84	93.62	2.78
	West Bengal	5,646.64	5,139.26	507.38	8.99
	D.V.C.	6,001.14	5,358.86	642.28	10.70
	A. & N. Islands	11.72	10.96	0.76	6.48
	Sikkim	30.67	26.88	3.79	12.36
	Central Sector	..	..	..	..
	SUB-TOTAL	17,640.35	16,052.20	1,588.15	9.00
Southern Region	Andhra Pradesh	9,080.78	8,513.32	567.46	6.25
	Karnataka	7,187.96	7,087.16	100.80	1.40
	Kerala	5,533.30	5,497.51	35.79	0.65
	Tamil Nadu	7,831.88	7,416.50	415.38	5.30
	Pondicherry	..	..	..	..
	Lakshadweep	1.70	1.67	0.03	1.76
	Central Sector	3,390.65	3,005.53	385.12	11.36
	SUB-TOTAL	33,026.27	31,521.69	1,504.58	4.56
North-Eastern Region	Assam	741.16	698.71	42.45	5.73
	Manipur	18.26	17.26	1.00	5.48
	Meghalaya	369.66	367.60	2.06	0.56
	Nagaland	1.41	1.39	0.02	1.42
	Tripura	51.40	50.88	0.52	1.01
	Arunachal Pradesh	17.20	16.58	0.62	3.60
	Mizoram	3.12	2.98	0.14	4.49
		SUB-TOTAL	1,202.21	1,155.40	46.81
	TOTAL (ALL INDIA)	122,101.43	113,813.90	8,287.53	6.79

TABLE NO. 41—Contd.

Name of the State/UTs.	Hydro			
	Gross generation (GWH)	Net generation (GWH)	Auxiliary Consumption	
			(GWH)	% to Gross Generation
Haryana . . . . .	3,233.72	3,225.80	7.92	0.24
Himachal Pradesh . . . . .	431.63	429.70	1.93	0.45
Jammu & Kashmir . . . . .	768.02	763.81	4.21	0.55
Punjab . . . . .	5,398.66	5,385.64	13.02	0.24
Rajasthan . . . . .	2,835.71	2,828.75	6.96	0.25
Uttar Pradesh . . . . .	3,835.61	3,825.25	10.36	0.27
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
Central Sector . . . . .	214.00	213.00	1.00	0.47
<b>SUB-TOTAL . . . . .</b>	<b>16,717.35</b>	<b>16,671.95</b>	<b>45.40</b>	<b>0.27</b>
Gujarat . . . . .	1,139.14	1,131.52	7.62	0.67
Madhya Pradesh . . . . .	488.24	487.35	0.89	0.18
Maharashtra . . . . .	6,333.38	6,138.98	194.40	3.07*
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>7,960.76</b>	<b>7,757.85</b>	<b>202.91</b>	<b>2.55</b>
Bihar . . . . .	172.65	171.83	0.82	0.47
Orissa . . . . .	2,581.71	2,569.16	12.55	0.49
West Bengal . . . . .	75.62	74.10	1.52	2.01
D.V.C. . . . .	221.82	219.33	2.49	1.12
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	30.58	26.80	3.78	12.36
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>3,082.38</b>	<b>3,061.22</b>	<b>21.16</b>	<b>0.69</b>
Andhra Pradesh . . . . .	3,987.88	3,962.02	25.86	0.65
Karnataka . . . . .	7,187.96	7,087.16	100.80	1.40
Kerala . . . . .	5,533.30	5,497.51	35.79	0.65
Tamil Nadu . . . . .	4,657.76	4,646.39	11.37	0.24
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>21,366.90</b>	<b>21,193.08</b>	<b>173.82</b>	<b>0.81</b>
Assam . . . . .	..	..	..	..
Manipur . . . . .	1.70	1.60	0.10	5.88
Meghalaya . . . . .	369.65	367.59	2.06	0.56
Nagaland . . . . .	0.87	0.87	..	..
Tripura . . . . .	50.25	49.75	0.50	1.00
Arunachal Pradesh . . . . .	15.07	14.55	0.52	3.45
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>437.54</b>	<b>434.36</b>	<b>3.18</b>	<b>0.73</b>
<b>TOTAL (ALL INDIA)</b>	<b>49,564.93</b>	<b>49,118.46</b>	<b>446.47</b>	<b>0.90</b>

\*The units used in Auxiliary of Koyna Power houses of M.S.E.B. also includes units purchased from other Power Station

TABLE NO. 41—Contd.

Name of the State/U.Ts.	Steam			
	Gross Generation (GWH)	Net generation (GWH)	Auxiliary	Consumption
			(GWH)	% to gross generation
Haryana . . . . .	1,573.83	1,330.93	242.90	15.43
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	16.58	13.45	3.13	18.88
Punjab . . . . .	1,593.00	1,364.26	228.74	14.36
Rajasthan . . . . .	710.22	644.78	65.44	9.21
Uttar Pradesh . . . . .	7,512.14	6,564.15	947.99	12.62
Chandigarh. . . . .	..	..	..	..
Deihi . . . . .	1,111.95	995.68	116.27	10.46
Central Sector . . . . .	2,283.51	1,952.50	331.02	14.50
<b>SUB-TOTAL . . . . .</b>	<b>14,801.24</b>	<b>12,865.75</b>	<b>1,935.49</b>	<b>13.08</b>
Gujarat . . . . .	9,046.20	8,156.66	889.54	9.83
Madhya Pradesh . . . . .	6,132.17	5,540.71	591.46	9.65
Maharashtra . . . . .	12,346.71	11,198.35	1,148.36	9.30
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
Central Sector . . . . .	175.84	151.17	24.67	14.03
<b>SUB-TOTAL . . . . .</b>	<b>27,700.92</b>	<b>25,046.89</b>	<b>2,654.03</b>	<b>9.58</b>
Bihar . . . . .	2,408.51	2,069.05	339.46	14.09
Orissa . . . . .	785.75	704.68	81.07	10.32
West Bengal . . . . .	5,382.23	4,878.50	503.73	9.36
D.V.C. . . . .	5,779.32	5,139.53	639.79	11.07
A. & N. Island . . . . .	1.72	1.48	0.24	13.95
Sikkim . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>14,357.53</b>	<b>12,793.24</b>	<b>1,564.29</b>	<b>10.90</b>
Andhra Pradesh . . . . .	5,092.90	4,551.30	541.60	10.63
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	3,174.12	2,770.11	404.01	12.73
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	3,390.65	3,005.53	385.12	11.36
<b>SUB-TOTAL . . . . .</b>	<b>11,657.67</b>	<b>10,326.94</b>	<b>1,330.73</b>	<b>11.42</b>
Assam . . . . .	229.74	205.46	24.28	10.57
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>229.74</b>	<b>205.46</b>	<b>24.28</b>	<b>10.57</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>68,747.10</b>	<b>61,238.28</b>	<b>7,508.82</b>	<b>10.92</b>

TABLE No. 41—Contd.

Name of the State/U.Ts.	Diesel			
	Gross generation (GWH)	Net generation (GWH)	Auxiliary Consumption (GWH)	% to gross generation
Haryana . . . . .	..	..	..	..
Himachal Pradesh . . . . .	0·04	0·04	Neg.	Neg.
Jammu & Kashmir . . . . .	0·14	0·13	0·01	7·14
Punjab . . . . .	5·14	4·97	0·17	3·31
Rajasthan . . . . .	0·23	0·21	0·02	8·70
Uttar Pradesh . . . . .	..	..	..	..
Chandigarh . . . . .	0·24	0·22	0·02	8·33
Delhi . . . . .	1·34	1·32	0·02	1·49
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>7·13</b>	<b>6·89</b>	<b>0·24</b>	<b>3·37</b>
Gujarat . . . . .	0·10	0·09	0·01	10·00
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	..	..	..	..
Goa, Daman & Diu . . . . .	..	..	..	..
D. & N. Haveli . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>0·10</b>	<b>0·09</b>	<b>0·01</b>	<b>10·00</b>
Bihar . . . . .	1·56	1·52	0·04	2·56
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	10·05	9·44	0·61	6·07
D.V.C. . . . .	..	..	..	..
A. & N. Island . . . . .	10·00	9·48	0·52	5·20
Sikkim . . . . .	0·09	0·08	0·01	11·11
<b>SUB-TOTAL . . . . .</b>	<b>21·70</b>	<b>20·52</b>	<b>1·18</b>	<b>5·44</b>
Andhra Pradesh . . . . .	..	..	..	..
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	..	..	..	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	1·70	1·67	0·03	1·76
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>1·70</b>	<b>1·67</b>	<b>0·03</b>	<b>1·76</b>
Assam . . . . .	15·11	14·35	0·76	5·03
Manipur . . . . .	16·56	15·66	0·90	5·43
Meghalaya . . . . .	0·01	0·01	Neg.	..
Nagaland . . . . .	0·54	0·52	0·02	3·70
Tripura . . . . .	1·15	1·13	0·02	1·74
Arunachal Pradesh . . . . .	2·13	2·03	0·10	4·69
Mizoram . . . . .	3·12	2·98	0·14	4·49
<b>SUB-TOTAL . . . . .</b>	<b>38·62</b>	<b>36·68</b>	<b>1·94</b>	<b>5·02</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>69·25</b>	<b>65·85</b>	<b>3·40</b>	<b>4·91</b>

TABLE No. 41—Contd.

Name of State/U.T.s	Gas			
	Gross generation (GWH)	Net generation (GWH)	Auxiliary consumption	
			(GWH)	% to gross generation
Haryana . . . . .	..	..	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	..	..
Rajasthan . . . . .	..	..	..	..
Uttar Pradesh . . . . .	0·28	0·27	0·01	3·57
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>0·28</b>	<b>0·27</b>	<b>0·01</b>	<b>3·57</b>
Gujarat . . . . .	22·00	20·90	1·10	5·00
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	1·93	1·65	0·28	14·51
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>23·93</b>	<b>22·55</b>	<b>1·38</b>	<b>5·77</b>
Bihar . . . . .	..	..	..	..
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	178·74	177·22	1·52	0·85
D.V.C. . . . .	..	..	..	..
A. & N. Island . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>178·74</b>	<b>177·22</b>	<b>1·52</b>	<b>0·85</b>
Andhra Pradesh . . . . .	..	..	..	..
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	..	..	..	..
Tamil Nadu . . . . .	..	..	..	..
Pondicherry . . . . .	..	..	..	..
Lakshadweep . . . . .	..	..	..	..
Central Sector . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>..</b>	<b>..</b>	<b>..</b>	<b>..</b>
Assam . . . . .	496·31	478·90	17·41	3·51
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	..	..
Nagland . . . . .	..	..	..	..
Tripura . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>496·31</b>	<b>478·90</b>	<b>17·41</b>	<b>3·51</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>699·26</b>	<b>678·94</b>	<b>20·32</b>	<b>2·91</b>

TABLE NO. 41—Contd.

Name of State/U.Ts.	Nuclear			
	Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption	
			(GWH)	% to gross generation
Haryana . . . . .	..	..	..	..
Himachal Pradesh . . . . .	..	..	..	..
Jammu & Kashmir . . . . .	..	..	..	..
Punjab . . . . .	..	..	..	..
Rajasthan . . . . .	..	..	..	..
Uttar Pradesh . . . . .	..	..	..	..
Chandigarh . . . . .	..	..	..	..
Delhi . . . . .	..	..	..	..
Central Sector . . . . .	1,057.17	889.78	167.39	15.83
<b>SUB-TOTAL . . . . .</b>	<b>1,057.17</b>	<b>889.78</b>	<b>167.39</b>	<b>15.83</b>
Gujarat . . . . .	..	..	..	..
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	..	..	..	..
Goa, Daman & Diu . . . . .	..	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..	..
Central Sector . . . . .	1,963.72	1,822.59	141.13	7.19
<b>SUB-TOTAL . . . . .</b>	<b>1,963.72</b>	<b>1,822.59</b>	<b>141.13</b>	<b>7.19</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>3,020.89</b>	<b>2,712.37</b>	<b>308.52</b>	<b>10.21</b>

NOTE :—Gross Generation, Net Generation and Auxiliary Consumption of 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 1981-82

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	1,204.50*
	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	
Thunghbadra Dam & Hampi (Hydro)	Andhra Pradesh . . . . .	80	57.60	72.00
	Karnataka . . . . .	20	14.40	

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

I.C.—Means Installed capacity.



TABLE No. 42—Contd.

Name of the Power Station	Energy generated (GWH)		Energy off-take by States** (GWH)
	Gross	Net	
<b>B.B.M.B.</b>			
(a) Bhakra Nangal Complex (Hydro)	6,089.38	6,076.01	Haryana . . . . . 2,737.52 Punjab . . . . . 3,909.18 Rajasthan . . . . . 2,098.02
(b) Dehar (Hydro)	2,908.11	2,899.61	Jammu & Kashmir . . . . . 183.42 R.F.F. . . . . 182.50
(c) Pong (Hydro)	1,434.28	1,430.28	Nangal Fertilizers. . . . . 566.58 I.B. Bhakra . . . . . 7.82 Chandigarh . . . . . 181.72 Himachal Pradesh (Old & New including BSL) . . . . . 246.48 B.B.M.B. System . . . . . 292.66 Losses
Inraprastha Extn. (Steam) (Unit 2, 3 & 4)	753.03	688.21	Delhi . . . . . 688.21 Haryana . . . . . ..
<b>Chambal Projects :</b>			
(a) Gandhi Sagar (Hydro)	318.56	317.88	
(b) Jawahar Sagar (Hydro)	277.42	277.00	Madhya Pradesh . . . . . 1,754.35
(c) Rana Pratap Sagar (Hydro)	380.50	379.82	Rajasthan . . . . . 775.14
(d) Satpura (Steam)	1,710.77	1,554.79	
<b>Machkund (Hydro)</b>	693.37	691.07	Andhra Pradesh . . . . . 308.34 Orissa . . . . . 382.73
<b>Tungabhadra Dam &amp; Hampi (Hydro)</b>	260.89	260.08	Andhra Pradesh . . . . . 189.97 Karnataka . . . . . 70.11

NOTE :—\*\*—Including losses. Excluding B.B.M.B. System.

I.B. Bhakra—means Irrigation Board Bhakra.

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

TABLE NO. 43

*Installed Capacity, Energy Generated, Energy sent out by Central Govt. Projects & D.V.C.  
during 1981-82*

Name of Power Station	Installed Capacity (MW)	Energy generated (GWH)		Off-take by States including losses	
		Gross	Net		
Badarpur Thermal Power Station (Steam)	720.00	2,283.52	1,952.50E	Delhi . . . . .	1,562.39
				Haryana . . . . .	143.50
				H.P. (Baira Siul) . . . . .	12.06
				J. & K. . . . .	86.79
				Salal (J. & K.) . . . . .	26.44
				Rajasthan . . . . .	113.35
				U.P. . . . .	4.92
				TOTAL . . . . .	1,949.45
Baira Siul (Hydro)	180.00	214.00	213.00	Delhi . . . . .	179.07
				H.P. . . . .	33.935\$
Rajasthan Atomic Power Project (Nuclear)	440.00	1,057.17	889.78	Rajasthan . . . . .	889.78
Tarapur Atomic Power Station (Nuclear)	420.00	1963.72	1822.59	Gujarat . . . . .	872.08
				Maharashtra . . . . .	950.51
				TOTAL . . . . .	1,822.59
Kalyan Steam Power Station (Chola Central Railway).	96.00	175.84	151.17	Maharashtra . . . . .	151.17
Damodar Valley Corporation @ . . . . .	1,631.50	6,001.14	5,358.86	Bihar . . . . .	3,400.47*
				West Bengal . . . . .	2,278.69**
				TOTAL . . . . .	5,679.16@@
Neyveli Lignite Corporation (Steam)	600.00	3,390.65	3,005.53\$	Tamil Nadu . . . . .	2,686.28

## NOTES :

£ 3.05 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 1688.09 GWH direct sales by D.V.C. to ultimate consumers in Bihar area.

\*\* Includes 687.86 GWH direct sales by D.V.C. to ultimate consumers in West Bengal area.

\$ 319.25 GWH (difference between net generation and energy sent out) has been consumed by Neyveli Lignite Corporation within works.

\$\$ Includes losses of energy and colony consumption.

TABLE NO. 44

Statement showing Interstate Transfer of Power  
Regionwise/Statewise during 1981-82

Name of Supplier	Name of Purchaser	Energy transferred (GWH)
<i>Northern Region :</i>		
Haryana S.E.B.	Himachal Pradesh S.E.B.	4.30
Haryana S.E.B.	Chandigarh	29.00
Haryana S.E.B.	D.E.S.U.	65.81
Haryana S.E.B.	Rajasthan S.E.B.	64.44
Haryana S.E.B.	Uttar Pradesh S.E.B.	32.70
Himachal Pradesh S.E.B.	Punjab S.E.B.	105.93
Himachal Pradesh S.E.B.	Uttar Pradesh S.E.B.	177.82
Jammu & Kashmir S.E.B.	Punjab S.E.B.	64.05
Punjab S.E.B.	Chandigarh	39.61
Punjab S.E.B.	Uttar Pradesh S.E.B.	38.03
Punjab S.E.B.	Rajasthan S.E.B.	93.68
Punjab S.E.B.	Himachal Pradesh S.E.B.	8.36
Punjab S.E.B.	Delhi	88.59
Rajasthan S.E.B.	Delhi	21.90
Uttar Pradesh S.E.B.	Rajasthan S.E.B.	15.67
Uttar Pradesh S.E.B.	D.E.S.U.	6.05
<i>Western Region :</i>		
Gujarat S.E.B.	Goa, Daman & Diu	10.39
Gujarat S.E.B.	Dadra and Nagar Haveli	9.96
Madhya Pradesh S.E.B.	Maharashtra S.E.B.	39.65
Maharashtra S.E.B.	Madhya Pradesh S.E.B.	164.16
Maharashtra S.E.B.	Goa, Daman & Diu	127.83
<i>Eastern Region :</i>		
Bihar S.E.B.	West Bengal S.E.B.	0.92
Bihar S.E.B.	Orissa S.E.B.	19.20
Bihar S.E.B.	D.V.C.	258.06
Orissa S.E.B.	Bihar S.E.B.	56.02
West Bengal S.E.B.	D.V.C.	153.96
West Bengal S.E.B.	Bihar S.E.B.	1.68
Damodar Valley Corpn.	Bihar S.E.B.	1,719.79
Damodar Valley Corpn.	West Bengal S.E.B.	575.96
Damodar Valley Corpn.	Durgapur Project Ltd.	102.68
Damodar Valley Corpn.	Dishergarh E.S.Co.	116.48
Damodar Valley Corpn.	Seebpore E.S.Co.	239.97
Damodar Valley Corpn.	Calcutta E.S.Co.	558.77
Durgapur Project Ltd.	Damodar Valley Corpn.	81.71
Sikkim	West Bengal S.E.B.	1.00

TABLE NO. 44—Contd.

Name of Supplier	Name of Purchaser	Energy transferred (GWh)
<i>Southern Region</i>		
Andhra Pradesh S.E.B.	Pondicherry	1.57
Andhra Pradesh S.E.B.	Karnataka S.E.B.	33.70
Karnataka S.E.B.	Andhra Pradesh S.E.B.	10.37
Karnataka S.E.B.	Kerala S.E.B.	43.66
Karnataka S.E.B.	Tamil Nadu S.E.B.	108.35
Kerala S.E.B.	Tamil Nadu S.E.B.	993.21
Kerala S.E.B.	Karnataka S.E.B.	708.49
Tamil Nadu S.E.B.	Andhra Pradesh S.E.B.	9.81
Tamil Nadu S.E.B.	Pondicherry	174.52
Tamil Nadu S.E.B.	Karnataka S.E.B.	148.15
Tamil Nadu S.E.B.	Kerala S.E.B.	2.02
<i>North-Eastern Region</i>		
Assam S.E.B.	Mizoram	5.24
Assam S.E.B.	Nagaland	48.37
Assam S.E.B.	Arunachal Pradesh	1.67
Assam S.E.B.	Tripura	3.35
Tripura	Assam S.E.B.	1.02
Meghalaya S.E.B.	Assam S.E.B.	275.72
Nagaland	Manipur	12.35
Arunachal Pradesh	Assam S.E.B.	1.88
<i>Inter-Regional Transfers of Power</i>		
<i>Northern Region</i>		
Uttar Pradesh S.E.B.	Madhya Pradesh S.E.B.	24.53
<i>Western Region</i>		
Uttar Pradesh S.E.B.	Bihar S.E.B.	60.31
<i>Southern Region</i>		
Maharashtra S.E.B.	Karnataka S.E.B.	111.68
<i>Northern Region</i>		
Madhya Pradesh S.E.B.	Uttar Pradesh S.E.B.	0.98
Madhya Pradesh S.E.B.	Rajasthan S.E.B.	9.77
<i>Southern Region</i>		
Orissa S.E.B.	Andhra Pradesh S.E.B.	21.04
<i>Northern Region</i>		
Bihar S.E.B.	Uttar Pradesh S.E.B.	3.4
<i>Eastern Region</i>		
Assam S.E.B.	West Bengal S.E.B.	12.93
<i>Southern Region</i>		
Andhra Pradesh S.E.B.	Madhya Pradesh S.E.B.	1.07
Karnataka S.E.B.	Goa, Daman & Diu	154.64
Karnataka S.E.B.	Maharashtra S.E.B.	42.04
<i>Eastern Region</i>		
Andhra Pradesh	Orissa S.E.B.	146.45
<i>Outside the Country</i>		
Uttar Pradesh S.E.B.	Nepal	48.32
Bihar S.E.B.	Nepal	36.33
West Bengal S.E.B.	Bhutan	7.52
Assam S.E.B.	Bhutan	1.75
Nepal	Bihar S.E.B.	5.16

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.

SECTION VI  
**Operating Data (Utilities)**

## OPERATING DATA

The coal consumption by various steam stations in the country was 42.23 Million Metric Tonnes during the year 1981-82 as compared to 35.82 Million Metric Tonnes during the previous year indicating an increase of 17.91% whereas the consumption of other fuels viz. furnace oil, LSHS/HHS, wood and Diesel decreased by 14.85%, 9.37%, 12.80% and 11.55% respectively. Total fuel consumption for steam power station (*i.e.*, coal equivalent assuming average calorific values as 5000 K. Cal./Kg.) increased only by 11.74% during 1981-82 as against 13.23% increase in generation. The average heat rate for all the power stations improved to 3,206 K. Cal./Kwh in 1981-82 as compared to 3,248 K. Cal./Kwh in previous year.

Out of 98 steam power stations 43 power stations having aggregate installed capacity of 1,770.08 MW representing 9.47% of total capacity of Steam stations reported an overall thermal efficiency below 20%. This group of stations produced 2,901.54 GWH *i.e.*, 4.22% of total steam generation.

15 power stations with an aggregate capacity of 2,703.60 MW reported an overall thermal efficiency ranging between 20 to 25% and generated 9868.04 GWH *i.e.*, 14.35% of total steam generation. 27 power stations with aggregate capacity of 8,102.50MW had an overall thermal efficiency in the range of 25 to 30% and produced 29,323.99 Gwh which represented 42.66% of total steam generation. 13 power stations with aggregate capacity of 6,119.00 MW reported an overall thermal efficiency above 30% and generated 26,653.53 GWH which cover 38.77% of total steam generation during 1981-82.

This section depicts the Statewise and Region wise 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 1981-82

Region	State U.Ts.	Steam Stations		
		Coal (MT)	Lignite (MT)	Furnace Oil (KL)
Northern Region .	Haryana . . . . .	10,11,105	..	59,886
	Himachal Pradesh . . . . .	..	..	..
	Jammu & Kashmir . . . . .	19,800	..	..
	Punjab . . . . .	12,29,584	..	26,519
	Rajasthan . . . . .	35,535	..	..
	Uttar Pradesh . . . . .	57,84,497	..	75,686
	Chandigarh . . . . .	..	..	..
	Delhi . . . . .	9,49,086	..	29,771
Central Sector . . . . .	15,78,527	..	58,764	
	<b>SUB-TOTAL . . . . .</b>	<b>1,06,08,134</b>	<b>..</b>	<b>2,50,626</b>
Western Region .	Gujarat . . . . .	33,73,607	14,526	7,68,307
	Madhya Pradesh . . . . .	54,70,337	..	1,03,099
	Maharashtra . . . . .	67,84,915	..	74,446
	Goa, Daman & Diu . . . . .	..	..	..
	D & N Haveli . . . . .	..	..	..
	Central Sector . . . . .	2,54,212	..	6,719
	<b>SUB-TOTAL . . . . .</b>	<b>1,58,83,071</b>	<b>14,526</b>	<b>9,52,571</b>
Eastern Region .	Bihar . . . . .	18,63,714	..	28,438
	Orissa . . . . .	676,019	..	..
	West Bengal . . . . .	34,46,442	..	54,529
	D.V.C. . . . .	38,88,956	..	73,942
	A. & N. Island . . . . .	..	4,932(A)	..
	Sikkim . . . . .	..	..	..
	<b>SUB-TOTAL . . . . .</b>	<b>98,75,131</b>	<b>4,932(A)</b>	<b>1,56,909</b>
Southern Region .	Andhra Pradesh . . . . .	37,04,241	..	51,936
	Karnataka . . . . .	..	..	..
	Kerala . . . . .	..	..	..
	Tamil Nadu . . . . .	20,52,502	..	1,64,429
	Pondicherry . . . . .	..	..	..
	Lakshadweep . . . . .	..	..	..
	Central Sector . . . . .	..	46,32,070	..
	<b>SUB-TOTAL . . . . .</b>	<b>57,56,743</b>	<b>46,32,070</b>	<b>2,16,365</b>
North Eastern Region .	Assam . . . . .	1,11,543	..	15,792
	Manipur . . . . .	..	..	..
	Meghalaya . . . . .	..	..	..
	Nagaland . . . . .	..	..	..
	Tripura . . . . .	..	..	..
	Arunachal Pradesh . . . . .	..	..	..
	Mizoram . . . . .	..	..	..
		<b>SUB-TOTAL . . . . .</b>	<b>1,11,543</b>	<b>..</b>
	<b>TOTAL (ALL INDIA) . . . . .</b>	<b>4,22,34,622</b>	<b>46,46,596+</b> <b>4,932(A)</b>	<b>15,92,263</b>

(A)= Wood Fuel

MT = Metric Tonne

KL=Kilo Litre

TABLE NO. 45—Contd.

State/U.Ts.	Steam Stations		
	Light Diesel Oil (KL)	LSHS/HHS* (MT)	Natural Gas (Million Cu. Mts.)
Haryana . . . . .	1,5251	..	..
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	2,960	..	..
Punjab . . . . .	9,934	..	..
Rajasthan . . . . .	..	..	..
Uttar Pradesh . . . . .	62,241	..	..
Chandigarh . . . . .	..	..	..
Delhi . . . . .	2,506	..	..
Central Sector . . . . .	1,987	..	..
<b>SUB-TOTAL . . . . .</b>	<b>94,879</b>	<b>..</b>	<b>..</b>
Gujarat . . . . .	5,691	..	128.66
Madhya Pradesh . . . . .	1,979	..	..
Maharashtra . . . . .	15,050	3,81,160	16,10,94(B)
Goa, Daman & Diu . . . . .	..	..	..
D & N Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>22,720</b>	<b>3,81,160</b>	<b>128.66 + 16,10,94(B)</b>
Bihar . . . . .	39,694	..	..
Orissa . . . . .	2,134	..	..
West Bengal . . . . .	5,034	..	..
D.V.C. . . . .	7,914	..	..
A & N Island . . . . .	473	..	..
Sikkim . . . . .	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>55,249</b>	<b>..</b>	<b>..</b>
Andhra Pradesh . . . . .	6,370	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	12,846	..	..
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB -TOTAL . . . . .</b>	<b>19,216</b>	<b>..</b>	<b>..</b>
Assam . . . . .	3,655	..	43.89
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
<b>SUB-TOTAL . . . . .</b>	<b>3,655</b>	<b>..</b>	<b>43.89</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>1,95,719</b>	<b>3,81,160</b>	<b>172.55 + 1,61,094MT(B)</b>

\*LSHS = Low Sulphur Heavy Stock, HHS=Hot Heavy Stock B=Refinery Gas.



TABLE No. 45—Contd.

State/U.Ts.	Steam Station		
	Heat Input (K. Cal. × 10 <sup>6</sup> )	Gross generation (GWH)	Average heat-input (K. Cal./KWH)
Haryana . . . . .	5,268.00	1,322.83	3,982
Himachal Pradesh . . . . .	..	..	..
Jammu & Kashmir . . . . .	145.69	16.58	8,787
Punjab . . . . .	4,991.45	1,593.00	3,313
Rajasthan . . . . .	204.75	25.91	7,902
Uttar Pradesh . . . . .	26,125.76	7512.14	3,478
Chandigarh . . . . .	..	..	..
Delhi . . . . .	4,838.29	1,362.95	3,550
Central Sector . . . . .	7,960.45	2,283.52	3,486
	<b>SUB-TOTAL</b>	<b>14,116.93</b>	<b>3,509</b>
Gujarat . . . . .	26,476.40	9,046.20	2,927
Madhya Pradesh . . . . .	20,696.21	6,816.48	3,036
Maharashtra . . . . .	35,590.54	12,346.71	2,883
Goa, Daman & Diu . . . . .	..	..	..
D & N Haveli . . . . .	..	..	..
Central Sector . . . . .	1,363.66	175.84	7,755
	<b>SUB-TOTAL</b>	<b>28,385.23</b>	<b>2,964</b>
Bihar . . . . .	8,111.06	2,408.51	33,68
Orissa . . . . .	2,672.16	785.75	3,401
West Bengal . . . . .	19,372.89	5,382.23	3,599
D.V.C. . . . .	18,246.85	5,779.32	3,157
A & N Island . . . . .	19.53	1.72	11,355
Sikkim . . . . .	..	..	..
	<b>SUB-TOTAL</b>	<b>14,357.53</b>	<b>3,373</b>
Andhra Pradesh . . . . .	15,553.75	5,092.90	3,054
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	10,684.42	3,174.12	3,366
Pondicherry . . . . .	..	..	..
Lakshadweep . . . . .	..	..	..
Central Sector . . . . .	10,894.63	3,390.65	3,213
	<b>SUB-TOTAL</b>	<b>11,637.67</b>	<b>3,185</b>
Assam . . . . .	1,172.00	230.50	5,085
Manipur . . . . .	..	..	..
Meghalaya . . . . .	..	..	..
Nagaland . . . . .	..	..	..
Tripura . . . . .	..	..	..
Arunachal Pradesh . . . . .	..	..	..
Mizoram . . . . .	..	..	..
	<b>SUB-TOTAL</b>	<b>230.50</b>	<b>5,085</b>
	<b>TOTAL (ALL INDIA)</b>	<b>68,747.86</b>	<b>3,206</b>

TABLE No. 45—Contd.

State/U.Ts.	Gas Station	
	Natural Gas (million cu. Mts.)	Generation (GWH)
Haryana . . . . .	..	..
Himachal Pradesh . . . . .	..	..
Jammu & Kashmir . . . . .	..	..
Punjab . . . . .	..	..
Rajasthan . . . . .	..	..
Uttar Pradesh . . . . .	95(E)oil	0.28
Chandigarh . . . . .	..	..
Delhi . . . . .	..	..
Central Sector . . . . .	..	..
	<b>SUB-TOTAL</b>	<b>95(E)oil</b> <b>0.28</b>
Gujarat . . . . .	24,90,313 MT 6,725(oil)	22.00
Madhya Pradesh . . . . .	..	..
Maharashtra . . . . .	11,20(oil)	1.93
Goa, Daman & Diu . . . . .	..	..
Dadra & Nagar Haveli . . . . .	..	..
Central Sector . . . . .	..	..
	<b>SUB-TOTAL</b>	<b>24,90,313 MT</b> <b>+ 7,845(oil)</b> <b>23.93</b>
Bihar . . . . .	..	..
Orissa . . . . .	..	..
West Bengal . . . . .	77,041(oil)	178.74
D.V.C. . . . .	..	..
A & N Island . . . . .	..	..
Sikkim . . . . .	..	..
	<b>SUB-TOTAL</b>	<b>77,041(oil)</b> <b>178.74</b>
Andhra Pradesh . . . . .	..	..
Karnataka . . . . .	..	..
Kerala . . . . .	..	..
Tamil Nadu . . . . .	..	..
Pondicherry . . . . .	..	..
Lakshadweep . . . . .	..	..
Central Sector . . . . .	..	..
	<b>SUB-TOTAL</b>	<b>..</b> <b>..</b>
Assam . . . . .	241.26	495.55
Manipur . . . . .	..	..
Meghalaya . . . . .	..	..
Nagaland . . . . .	..	..
Tripura . . . . .	..	..
Arunachal Pradesh . . . . .	..	..
Mizoram . . . . .	..	..
	<b>SUB-TOTAL</b>	<b>241.26</b> <b>495.55</b>
<b>TOTAL (ALL INDIA)</b>	<b>241.26 + 24,90,313 MT (N. Gas)</b> <b>+ 84,886(oil)</b>	<b>698.50</b>

NOTE:—E—Estimated  
Oil—Oil in Kilo Litres.  
N. Gas—Natural Gas.

TABLE NO. 45—Contd.

State/U.Ts.	Diesel Station		
	Diesel Oil (K. Lits)	Generation (GWH)	Average Oil Con- sumed Lts/(KWH)
Harayna . . . . .	..	..	..
Himachal Pradesh . . . . .	27	0.04	0.68
Jammu & Kashmir . . . . .	40 (E)	0.14	0.29
Punjab . . . . .	2750(E)	5.14	0.54
Rajasthan . . . . .	109	0.23	0.47
Uttar Pradesh . . . . .	..	..	..
Chandigarh . . . . .	85(E)	0.24	0.35
Delhi . . . . .	420	1.34	0.31
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>3,431</b>	<b>7.13</b>	<b>0.48</b>
Gujarat . . . . .	43	0.10	0.42
Madhya Pradesh . . . . .	..	..	..
Maharashtra . . . . .	..	..	..
Goa, Daman & Diu . . . . .	..	..	..
Dadra & Nagar Haveli . . . . .	..	..	..
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>42</b>	<b>0.10</b>	<b>0.42</b>
Bihar . . . . .	565	1.56	0.36
Orissa . . . . .	..	..	..
West Bengal . . . . .	3,481	10.05	0.35
D.V.C. . . . .	..	..	..
A. & N. Island . . . . .	3,801	10.00	0.38
Sikkim . . . . .	35 (E)	0.09	0.39
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>7,882</b>	<b>21.70</b>	<b>0.36</b>
Andhra Pradesh . . . . .	..	..	..
Karnataka . . . . .	..	..	..
Kerala . . . . .	..	..	..
Tamil Nadu . . . . .	..	..	..
Pondicherry . . . . .	..	..	..
Lakashadweep . . . . .	776	1.70	0.46
Central Sector . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>176</b>	<b>1.70</b>	<b>0.46</b>
Assam . . . . .	4,000 (E)	15.11	0.27
Manipur . . . . .	4,970 (E)	16.56	0.30
Meghalaya . . . . .	7	0.01	0.70
Nagaland . . . . .	228	0.54	0.42
Tripura . . . . .	400 (E)	1.15	0.35
Arunachal Pradesh . . . . .	620 (E)	2.13	0.29
Mizoram . . . . .	1,110 (E)	3.12	0.35
<b>SUB-TOTAL</b> . . . . .	<b>11,325</b>	<b>38.62</b>	<b>0.29</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>23,456</b>	<b>69.25</b>	<b>0.34</b>

**TABLE NO. 46**  
*Classification of Steam Stations*  
*Efficiencywise*  
*during 1981-82*

Overall Thermal Efficiency	No. of Generating stations	Aggregate installed capacity (MW)	Energy generated by the group (GWH)	% to total generation
Under 10%	16*	561.00	77.65	0.11
Above 10% & upto 15%	19	621.58	956.98	1.39
Above 15% & upto 20%	8	587.50	1,866.91	2.72
Above 20% & upto 25%	15	2,703.60	9,868.04	14.35
Above 25% & upto 30%	27	8,102.50	29,323.99	42.66
Above 30%	13	6,119.00	26,653.53	38.77
<b>TOTAL</b>	<b>98</b>	<b>18,695.18</b>	<b>68,747.10</b>	<b>100.00</b>

\*Includes 6 power stations having total aggregate capacity of 463.25 MW and nil generation.

**TABLE No. 47**  
*Salient Operating Data for Steam Power Station*  
*(Utilities only)*  
*During 1981-82*

Items	1980-81	1981-82	% Increase
(i) No. of Stations . . . . .	98	98	..
(ii) Aggregate Installed Capacity (MW) . . . . .	17,122.13	18,695.18	9.19
(iii) Total energy generated (gross) (GWH) . . . . .	60,713.78	68,747.10	13.23
(iv) Installed capacity of plants (above 50 MW) . . . . .	16,571.50	18,137.50	9.45
(v) Energy generated from plants (above 50 MW) . . . . .	59,524.05	67,520.68	13.43
(vi) KWH/KW installed from plants (above 50 MW) . . . . .	3,592	3,723	..
(vii) Fuel used : (All Stations) . . . . .			
(a) (i) Coal (Tonnes) . . . . .	3,58,19,045	4,22,34,622	17.91
(ii) Average calorific value K. cal/kg. . . . .	4,402	4,333	..
(b) (i) Lignite (Tonnes) . . . . .	39,78,830	46,46,596	16.78
(ii) Average calorific value K. cal/kg. . . . .	2,413	2,357	..
(c) (i) Wood (Tonnes) . . . . .	5,656	4,932	(-)12.80
(ii) Average calorific value K. cal/kg. . . . .	2,953	3,001	..
(d) (i) Furnace Oil (K. Litrs) . . . . .	18,69,991	15,92,263	(-)14.85
(ii) Average calorific value (K. cal/Litrs) . . . . .	10,558	10,024	..
(e) (i) Diesel Oil and Kerosene Oil (K. Litrs) . . . . .	2,21,279	1,95,719	(-)11.55
(ii) Average calorific value (K. cal/Litrs) . . . . .	10,289	10,000	..
(f) (i) LSHS & HHS (Tonnes) . . . . .	4,20,542	3,81,160	(-)9.37
(ii) Average calorific value (K. Cal./Litrs) . . . . .	10,961	12,102	..
(g) Overall thermal efficiency for plants above 50 MW			
(Average) . . . . .	26.75	27.63	..
(h) Total fuel consumption (coal equivalent assuming calorific value as 5000c K. Cal/Kg.) in Tonnes (ALL STATIONS) . . . . .	3,944,5,306	4,40,77,698	.71

**TABLE No. 48**  
*Actual Simultaneous Peak Demand @*  
*Regionwise during 1981-82*

Region	Month in which Demand was maximum	Actual Peak Demand (MW)
Northern . . . . .	April 1981 . . . . .	5,534
Western . . . . .	March, 1982 . . . . .	5,796
Eastern . . . . .	October 1981 . . . . .	2,529
Southern . . . . .	December 1981 . . . . .	5,104
North-Eastern . . . . .	October 1981 . . . . .	242
<b>ALL INDIA AGGREGATE PEAK DEMAND . . . . .</b>		<b>19,205*</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—Annual Reports of Regional Electricity Boards.

TABLE NO. 49

*Manpower engaged in State Electricity Boards, DVC & DESU as  
on 31-3-1982 as reported by State Electricity Boards*

Name of Electy. Board/Undertaking	REGULAR			
	Managerial and Higher Executive	Technical and Scientific Officers	Technical super- visory Staff	Technicians and Operation Staff
1	2	3	4	5
<i>Northern Region</i>				
1. Haryana . . . . .	12	990	2,305	19,367
2. Punjab (A) . . . . .	9	1,589	5,804	31,282
3. Rajasthan . . . . .	..	..	..	31,510@
4. D.E.S.U. . . . .	3	477	1,292	17,591
<i>Western Region</i>				
5. Gujarat . . . . .	..	..	..	19,265@
6. Madhya Pradesh . . . . .	28	2,345	3,633	30,781
7. Maharashtra . . . . .	31	5,187	10,244	55,979
<i>Eastern Region</i>				
8. D.V.C. . . . .	11	1,085	621	5,117
9. Orissa (A) . . . . .	8	1,401	976	13,473
<i>Southern Region</i>				
10. Andhra Pradesh . . . . .	22	1,159	4,067	33,635
11. Karnataka . . . . .	4	2,049	1,426	12,299
12. Kerala . . . . .	12	794	1,596	19,678
13. Tamil Nadu . . . . .	15	2,095	3,687	56,271
<i>North Eastern Region</i>				
14. Assam . . . . .	6	876	1,449	3,676

NOTE :—

Data in respect of State Electricity Boards of H.P., J. & K. Uttar Pradesh, Bihar, West Bengal and Meghalaya are not available.

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

(A)—Approximate figures.

TABLE No. 49—Contd.

State of Electy. Board/Undertaking	Regular		Non-Regular	
	Non-Technical	Total Regular (1. + 5)	Technical Trainees and Apprentices	Work change Staff
1	6	7	8	9
<i>Northern Region</i>				
1. Haryana . . . . .	9,695	32,369	958	5,746
2. Punjab . . . . .	9,645	48,329	..	22,000
3. Rajasthan . . . . .	13,375	44,885	..	14,159
4. D.E.S.U. . . . .	6,796	26,159	..	..
<i>Western Region</i>				
5. Gujarat . . . . .	12,599	31,864	Data not available.	
6. Madhya Pradesh . . . . .	21,149	57,936	1,105	2,515
7. Maharashtra . . . . .	17,459	88,900	Data not available	
<i>Eastern Region</i>				
8. D.V.C. . . . .	11,050	17,884	14	..
9. Orissa . . . . .	6,388	22,246	1,170	4,483
<i>Southern Region</i>				
10. Andhra Pradesh . . . . .	10,017	48,900	463	3,849
11. Karnataka . . . . .	19,515	35,293	567	9,354
12. Kerala . . . . .	10,159	32,239	Data not available.	
13. Tamil Nadu . . . . .	29,483	91,551	393	..
<i>North Eastern Region</i>				
14. Assam . . . . .	17,209	23,216	Data not available	

TABLE No. 49—Contd.

Name of Electricity Board/ Undertaking	Casual	Total non-Regular (8 + 9 + 10)	Total Regular and non-Regular (7 + 11)
1	10	11	12
<i>Northern Region</i>			
1. Haryana . . . . .	2,872	9,576	41,945
2. Punjab . . . . .	..	22,000	70,329
3. Rajasthan . . . . .	..	14,159	59,044
4. D.E.S.U. . . . .	@@	..	26,159
<i>Western Region</i>			
5. Gujarat . . . . .	Data not available		31,864*
6. Madhya Pradesh . . . . .	36,888	40,508	98,444
7. Maharashtra . . . . .	Data not available		88,900*
<i>Eastern Region</i>			
8. D.V.C. . . . .	1,500	1,514	19,398
9. Orissa . . . . .	8,128	13,781	36,027
<i>Southern Region</i>			
10. Andhra Pradesh . . . . .	520	4,832	53,732
11. Karnataka . . . . .	..	9,921	45,214
12. Kerala . . . . .	Data not available		32,239*
13. Tamil Nadu . . . . .	..	393	91,944
<i>North Eastern Region</i>			
14. Assam . . . . .	Data not available		23,261*

\*—Figures pertain to regular employees only.

@@—Included in col. 9.

SECTION VII  
**Transmission & Distribution**



## 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 2.2 KV. The low voltage system has 3 phase 4 Wires giving 400/420 Volts between 2 Phases and 230/240 Volts between Phase and Neutral. This has been universally adopted in the country.

The table below depicts the length of lines operating at various voltages as on 31-3-1982 with comparative increase over previous year:—

Voltages	Length of Lines (Ckt Kms)		% increase
	31-3-1982	31-3-1981	
400 KV . . . . .	2,529	2,340	8.08
230/220KV . . . . .	34,531	31,834	8.47
132/110/90 KV . . . . .	64,127	59,738	7.35
78/66 KV . . . . .	27,846	26,752	4.09
33/22 KV . . . . .	1,69,874	1,63,882	3.66
15/11 KV . . . . .	8,31,722	7,77,077	7.03
6.6/3.3/2.2 KV . . . . .	6,485	7,436	(-)-12.79
Distribution lines upto 500 volts . . . . .	15,55,972	14,53,402	7.06
<b>TOTAL . . . . .</b>	<b>26,93,086</b>	<b>25,22,461</b>	<b>6.76</b>

The state of Tamil Nadu has the largest T&D Network of 3,50,744 ckt kms. Apart from Tamil Nadu, State of Punjab, Haryana, Rajasthan, Uttar Pradesh, Gujarat, Madhya Pradesh, Maharashtra, Bihar, Andhra Pradesh and Karnataka have more than 1 lakh ckt kms. of T & D Lines.

### II. Transformers :

The total number of step up transformers installed at various Generating Stations and Sub-Stations in the country as on 31st March, 1982 were 1,205 having aggregate capacity of 40,917.89 MVA. The number and capacity of step down and distribution Transformers as on same date were 11,721 and 5,82,956 numbers with aggregate capacity of 1,05,042.39 MVA and 46,934.28 respectively.

TABLE NO. 50

*Length of Transmission and Distribution Lines*  
Regionwise/Statewise as on 31st March, 1982

		(Circuit Kilometres)			
Region	State/U.Ts.	Total	400 KV (O. H.)	230 KV (O. H.)	220KV (O. H.)
<i>Northern Region</i>	Haryana . . . . .	1,13,096	..	..	..
	Himachal Pradesh . . . . .	30,513	..	..	..
	Jammu & Kashmir (R) . . . . .	26,349	..	..	124
	Punjab . . . . .	1,32,015	270	..	3,340
	Rajasthan . . . . .	1,66,710	..	..	1,866 (A)
	Uttar Pradesh . . . . .	2,92,870	1,157	..	3,416
	Chandigarh . . . . .	1,066	..	..	..
	Delhi . . . . .	19,019	..	..	280
	SUB-TOTAL .	7,81,638	1,427	..	9,026
<i>Western Region</i>	Gujarat . . . . .	1,64,817	..	..	3,598
	Madhya Pradesh . . . . .	2,42,168	..	..	4,187
	Maharashtra . . . . .	2,96,074	1,102	..	4,156
	Goa, Daman & Diu . . . . .	5,087	..	..	24
	D. & N. Haveli (R) . . . . .	384	..	..	..
	SUB-TOTAL .	7,08,530	1,102	..	11,965
<i>Eastern Region</i>	Bihar . . . . .	1,13,192	..	..	994
	Orissa . . . . .	67,871	..	..	1,239
	West Bengal . . . . .	74,912	..	..	1,184
	D.V.C. (R) . . . . .	3,149	..	..	..
	A. & N. Islands . . . . .	857	..	..	..
	Sikkim (R) . . . . .	554	..	..	..
	SUB-TOTAL .	2,60,535	..	..	3,417
<i>Southern Region</i>	Andhra Pradesh . . . . .	2,24,369	..	..	3,057
	Karnataka . . . . .	2,34,025	..	..	3,560
	Kerala . . . . .	85,748	..	..	887
	Tamil Nadu . . . . .	3,50,744	..	2,362	..
	Pondicherry . . . . .	3,034	..	..	..
	Lakshadweep . . . . .	118	..	..	..
	SUB-TOTAL .	8,98,038	..	2,362	7,504
<i>North Eastern Region.</i>	Assam . . . . .	28,824	..	..	257
	Manipur (R) . . . . .	970	..	..	..
	Meghalaya . . . . .	5,197	..	..	..
	Nagaland . . . . .	4,167	..	..	..
	Tripura . . . . .	3,020	..	..	..
	Arunachal Pradesh . . . . .	1,441	..	..	..
	Mizoram . . . . .	726	..	..	..
	SUB-TOTAL .	44,345	..	..	257
TOTAL (ALL INDIA) .		26,93,086	2,529	2,362	32,169

(R)—Length of lines repeated due to non-receipt of information.

TABLE NO. 50—Contd.

Name of State/U.Ts.	(Circuit Kilometres)				
	132 KV (OH)	110/90 KV (OH)	78/66 KV (OH)	33 KV (OH)	33 KV (UG)
Haryana . . . . .	1,376	..	921	3,362	..
Himachal Pradesh . . . . .	125	..	87	1,046	..
Jammu & Kashmir . . . . .	246	..	184	1,150	..
Punjab . . . . .	2,057	..	1,991	3,026	..
Rajasthan . . . . .	4,842	..	415	14,599	..
Uttar Pradesh . . . . .	8,285	..	1,972	20,128	180
Chandigarh . . . . .	..	..	..	30	..
Delhi . . . . .	..	..	58	324	357
<b>SUB-TOTAL</b>	<b>16,931</b>	<b>..</b>	<b>5,628</b>	<b>43,665</b>	<b>537</b>
Gujarat . . . . .	3,517	..	5,986	2,875(A)	..
Madhya Pradesh . . . . .	7,279	..	362	21,453	..
Maharashtra . . . . .	4,400	2,872(A)	2,973(A)	10,718	..
Goa, Daman & Diu . . . . .	..	77	..	590	..
D. & N. Haveli . . . . .	..	..	16	..	..
<b>SUB-TOTAL</b>	<b>15,196</b>	<b>2,949</b>	<b>9,337</b>	<b>35,636</b>	<b>..</b>
Bihar . . . . .	3,532	..	..	9,110	..
Orissa . . . . .	2,766	..	333	7,458	10
West Bengal . . . . .	2,384	..	673	3,976	541
D.V.C. . . . .	2,505	..	..	629	..
A. & N. Islands . . . . .	..	..	..	78	..
Sikkim . . . . .	..	..	7	..	..
<b>SUB-TOTAL</b>	<b>11,187</b>	<b>..</b>	<b>1,013</b>	<b>21,251</b>	<b>551</b>
Andhra Pradesh . . . . .	4,946	..	2,717	11,219	..
Karnataka . . . . .	..	4,283	3,288	3,286(A)	..
Kerala . . . . .	..	1,626	2,123	..	..
Tamil Nadu . . . . .	..	5,074	2,900	3,598	147
Pondicherry . . . . .	..	30	..	..	..
Lakshadweep . . . . .	..	..	..	..	..
<b>SUB-TOTAL</b>	<b>4,946</b>	<b>11,013</b>	<b>11,028</b>	<b>18,103</b>	<b>147</b>
Assam . . . . .	1,250	..	512(A)	4,255(A)	..
Manipur . . . . .	..	..	128	..	..
Meghalaya . . . . .	435	..	..	952	..
Nagaland . . . . .	72	..	..	789	..
Tripura . . . . .	148	..	98	308	..
Arunachal Pradesh . . . . .	..	..	..	468	..
Mizoram . . . . .	..	..	102	111	..
<b>SUB-TOTAL</b>	<b>1,905</b>	<b>..</b>	<b>840</b>	<b>6,883</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b>	<b>50,165</b>	<b>13,962</b>	<b>27,846</b>	<b>1,25,538</b>	<b>1,235</b>

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

TABLE NO. 50—Contd.

State/UTs.	22/20 KV		15/11 KV		6.6 KV	
	(O.H.)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
Haryana . . . . .	..	..	37,194	..	..	..
Himachal Pradesh. . . . .	2,375	..	6,947	..	..	..
Jammu & Kashmir . . . . .	..	..	7,237@	..	..	..
Punjab . . . . .	..	..	41,217	51	..	..
Rajasthan . . . . .	..	..	59,219	..	..	..
Uttar Pradesh . . . . .	..	..	1,29,352	1,095	302	554
Chandigarh . . . . .	..	..	257	170	..	..
Delhi . . . . .	..	..	1,907	2,770	..	..
<b>SUB-TOTAL</b> . . . . .	<b>2,375</b>	<b>..</b>	<b>2,83,330</b>	<b>4,086</b>	<b>302</b>	<b>554</b>
Gujarat . . . . .	9,302	..	57,026	1,125	..	..
Madhya Pradesh . . . . .	..	..	77,175	..	4	..
Maharashtra . . . . .	10,247	568	79,916	1,130	59	139
Goa, Daman & Diu . . . . .	..	..	1,544	..	..	..
D & N Haveli . . . . .	..	..	163	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>19,549</b>	<b>568</b>	<b>2,15,824</b>	<b>2,255</b>	<b>63</b>	<b>139</b>
Bihar . . . . .	..	..	42,878	..	..	..
Orissa . . . . .	..	..	28,644	189	..	..
West Bengal . . . . .	..	60	34,049	534	523	2,194
D.V.C. (R) . . . . .	..	..	15	..	..	..
A. & N. Islands . . . . .	..	..	256	..	..	..
Sikkim . . . . .	..	..	216	1	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>60</b>	<b>1,06,058</b>	<b>724</b>	<b>523</b>	<b>2,194</b>
Andhra Pradesh . . . . .	..	..	72,316	..	..	..
Karnataka . . . . .	..	..	64,550	388	..	..
Kerala . . . . .	160	..	15,377	..	192	..
Tamil Nadu . . . . .	19,945	1	47,398	1,225	..	..
Pondicherry . . . . .	443	..	141	..	..	..
Lakshadweep . . . . .	..	..	..	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>20,548</b>	<b>1</b>	<b>1,99,782</b>	<b>1,613</b>	<b>192</b>	<b>..</b>
Assam . . . . .	..	..	11,972	..	..	..
Manipur . . . . .	..	..	221	..	..	..
Meghalaya . . . . .	..	..	2,304	..	..	..
Nagaland . . . . .	..	..	1,530	..	..	..
Tripura . . . . .	..	..	1,434	..	..	..
Arunachal Pradesh . . . . .	..	..	388	..	..	..
Mizoram . . . . .	..	..	201	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>18,050</b>	<b>..</b>	<b>..</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>42,472</b>	<b>629</b>	<b>8,23,044</b>	<b>8,678</b>	<b>1,080</b>	<b>2,887</b>

TABLE NO. 50—Contd.

(Ckt. KMs)

Name of State/UTs.	3·3/2·2 KV		Distribution lines upto 500 Volts
	(O.H.)	(U.G.)	
Haryana . . . . .	..	..	70,243
Himachal Pradesh . . . . .	3	34	19,896
Jammu & Kashmir . . . . .	..	..	17,408
Punjab . . . . .	..	..	80,063
Rajasthan . . . . .	..	..	85,769
Uttar Pradesh . . . . .	123	250	1,26,056
Chandigarh . . . . .	..	..	609
Delhi . . . . .	..	..	13,323
<b>SUB-TOTAL</b> . . . . .	<b>126</b>	<b>284</b>	<b>4,13,367</b>
Gujarat . . . . .	12	117	81,259
Madhya Pradesh . . . . .	24	..	1,31,684
Maharashtra . . . . .	16	2	1,77,776
Goa, Daman & Diu . . . . .	..	..	2,852(A)
D & N Haveli . . . . .	..	..	205
<b>SUB-TOTAL</b> . . . . .	<b>52</b>	<b>119</b>	<b>3,93,776</b>
Bihar . . . . .	..	..	56,678
Orissa . . . . .	..	..	27,232
West Bengal . . . . .	26	60	28,708
D.V.C. (R) . . . . .	..	..	..
A & N Islands . . . . .	..	..	523
Sikkim . . . . .	18	..	312
<b>SUB-TOTAL</b> . . . . .	<b>44</b>	<b>60</b>	<b>1,13,453</b>
Andhra Pradesh . . . . .	..	..	1,30,114
Karnataka . . . . .	1,720	64	1,52,886
Kerala . . . . .	35	..	65,348
Tamil Nadu . . . . .	..	..	2,68,094
Pondicherry . . . . .	7	..	2,413
Lakshadweep . . . . .	7	..	111
<b>SUB-TOTAL</b> . . . . .	<b>1,769</b>	<b>64</b>	<b>6,18,966</b>
Assam . . . . .	..	..	10,578
Manipur @ . . . . .	..	..	621
Meghalaya . . . . .	..	..	1,566
Nagaland . . . . .	..	..	1,776
Tripura . . . . .	..	..	1,032
Arunachal Pradesh . . . . .	..	..	585
Mizoram . . . . .	..	..	312
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>16,410</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>1,991</b>	<b>527</b>	<b>15,55,972</b>

@Includes 6·6/5 KV and 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, 1982**

		(Circuit Kilometres)			
Region	State/UTs	Total	400 KV (O.H.)	230 KV (O.H.)	220 KV (O.H.)
<i>Northern Region</i>	Haryana . . . . .	1,13,096	..	..	..
	Himachal Pradesh . . . . .	30,513	..	..	..
	Jammu & Kashmir (R) . . . . .	26,349	..	..	124
	Punjab . . . . .	1,28,399	..	..	548
	Rajasthan . . . . .	1,65,992	..	..	1,866
	Uttar Pradesh . . . . .	2,90,423	1,157	..	3,416
	SUB-TOTAL .	7,54,772	1,157	..	5,954
<i>Western Region</i>	Gujarat . . . . .	1,57,180	..	..	3,598
	Madhya Pradesh . . . . .	2,39,163	..	..	4,187
	Maharashtra . . . . .	2,80,621	1,102	..	4,156
	SUB-TOTAL .	6,76,964	1,102	..	11,941
<i>Eastern Region.</i>	Bihar . . . . .	1,11,905	..	..	994
	Orissa . . . . .	67,203	..	..	1,239
	West Bengal . . . . .	65,876	..	..	1,184
	SUB-TOTAL .	2,44,984	..	..	3,417
<i>Southern Region</i>	Andhra Pradesh . . . . .	2,19,045	..	..	3,057
	Karnataka . . . . .	2,31,970	..	..	3,560
	Kerala . . . . .	85,278	..	..	887
	Tamil Nadu . . . . .	3,48,027	..	2,362	..
	SUB-TOTAL .	8,84,320	..	2,362	7,504
<i>North Eastern Region</i>	Assam . . . . .	28,824	..	..	257
	Meghalaya . . . . .	5,197	..	..	..
	SUB-TOTAL .	34,021	..	..	257
TOTAL (ALL INDIA) .		25,94,961	2,259	2,362	29,073

TABLE No. 51—Contd.

(Circuit Kilometres)

State/U Ts.	132 KV	110/90 KV	78/66 KV	33 KV	
	(O.H.)	(O.H.)	(O.H.)	(O.H.)	(U.G.)
Haryana . . . . .	1,376	..	921	3,362	..
Himaehal Pradesh . . . . .	125	..	87	1,046	..
Jammu & Kashmir . . . . .	246	..	184	1,150	..
Punjab . . . . .	2,039	..	1,864	3,026	..
Rajasthan . . . . .	4,842	..	415	14,599	..
Uttar Pradesh . . . . .	8,285	..	1,972	20,128	180
<b>SUB-TOTAL</b> . . . . .	<b>16,913</b>	<b>..</b>	<b>5,443</b>	<b>43,311</b>	<b>180</b>
Gujarat . . . . .	3,452	..	5,865	2,875(A)	..
Madhya Pradesh . . . . .	7,279	..	362	31,453	..
Maharashtra . . . . .	4,400	1,417	2,973	10,718	..
<b>SUB-TOTAL</b> . . . . .	<b>15,131</b>	<b>1,417</b>	<b>9,200</b>	<b>35,046</b>	<b>..</b>
Bihar . . . . .	3,532	..	..	9,110	..
Orissa . . . . .	2,766	..	333	7,457	10
West Bengal . . . . .	2,328	..	673	3,926	25
<b>SUB-TOTAL</b> . . . . .	<b>8,626</b>	<b>..</b>	<b>1,006</b>	<b>20,493</b>	<b>35</b>
Andhra Pradesh . . . . .	4,754	..	2,504	11,219	..
Karnataka . . . . .	..	4,283	3,288	3,286(A)	..
Kerala . . . . .	..	1,626	2,123	..	..
Tamil Nadu . . . . .	..	5,074	2,900	3,588	147
<b>SUB-TOTAL</b> . . . . .	<b>4,754</b>	<b>10,983</b>	<b>10,815</b>	<b>18,095</b>	<b>147</b>
Assam . . . . .	1,250	..	512	4,255	..
Meghalaya . . . . .	435	..	..	952	..
<b>SUB-TOTAL</b> . . . . .	<b>1,685</b>	<b>..</b>	<b>512</b>	<b>5,207</b>	<b>..</b>
<b>TOTAL ALL (INDIA)</b> . . . . .	<b>47,109</b>	<b>12,400</b>	<b>26,976</b>	<b>1,22,150</b>	<b>362</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 wrongly reported data by State Electricity Board.

TABLE No. 51—Contd.

(Circuit Kilometres)

State/U Ts.	22 KV		15/11 KV		6.6 KV	
	(O.H.)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
Haryana . . . . .	..	..	37,194	..	..	..
Himachal Pradesh. . . . .	2,375	..	6,947	..	..	..
Jammu & Kashmir . . . . .	..	..	7,237@	..	..	..
Punjab . . . . .	..	..	41,149	..	..	..
Rajasthan . . . . .	..	..	59,040	..	..	..
Uttar Pradesh . . . . .	..	..	1,28,027	1,095	302	554
SUB-TOTAL	2,375	..	2,79,594	1,095	302	554
Gujarat . . . . .	9,302	..	56,060	..	..	..
Madhya Pradesh . . . . .	..	..	76,287	..	4	..
Maharashtra . . . . .	9,878	114	77,854	249	..	..
SUB-TOTAL	19,180	114	2,10,201	249	4	..
Bihar . . . . .	..	..	42,470	..	..	..
Orissa . . . . .	..	..	28,365	189	..	..
West Bengal . . . . .	..	..	33,485	359	517	25
SUB-TOTAL	..	..	1,04,320	548	517	25
Andhra Pradesh . . . . .	..	..	70,853	..	..	..
Karnataka . . . . .	..	..	63,988	388	..	..
Kerala . . . . .	160	..	15,219	..	3	..
Tamil Nadu . . . . .	19,945	1	46,957	1,182	..	..
SUB-TOTAL	20,105	1	1,97,017	1,570	3	..
Assam . . . . .	..	..	11,972	..	..	..
Metahalaya . . . . .	..	..	2,304	..	..	..
SUB-TOTAL	..	..	14,276	..	..	..
TOTAL (ALL INDIA) .	41,660	115	8,05,408	3,462	826	80



TABLE No. 51—Contd.

(Ckt. Kms.)

Name of the State/U Ts.	3.3/2.2 KV		Distribution lines upto 500 Volts
	(O.H.)	(U.G.)	
Haryana . . . . .	..	..	70,243
Himachal Pradesh . . . . .	3	34	19,896
Jammu & Kashmir . . . . .	..	..	17,408
Punjab . . . . .	..	..	79,773
Rajasthan . . . . .	..	..	85,230@
Uttar Pradesh . . . . .	123	250	1,24,934
SUB-TOTAL . . . . .	126	284	3,97,484
Gujarat . . . . .	..	..	76,028@
Madhya Pradesh . . . . .	24	..	1,29,567
Maharashtra . . . . .	..	..	1,67,760@
SUB-TOTAL . . . . .	24	..	3,73,355
Bihar . . . . .	..	..	55,799
Orissa . . . . .	..	..	26,844
West Bengal . . . . .	..	38	23,087
SUB-TOTAL . . . . .	..	38	1,05,730
Andhra Pradesh . . . . .	..	..	1,26,658
Karnataka . . . . .	1,720	64	1,51,393
Kerala . . . . .	35	..	65,225
Tamil Nadu . . . . .	..	..	2,65,871
SUB-TOTAL . . . . .	1,755	64	6,09,147
Assam . . . . .	..	..	10,578
Meghalaya . . . . .	..	..	1,506
SUB-TOTAL . . . . .	..	..	12,084
TOTAL (ALL INDIA) . . . . .	1,905	386	14,97,800

## NOTE :—

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

—In certain cases, 1981-82 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	5,10,000	406	25,43,970
	Himachal Pradesh . . . . .	44	3,25,250	117	2,59,678
	Jammu & Kashmir (R) . . . . .	57	3,01,000	73	3,25,000
	Punjab . . . . .	57	38,45,010	480	78,37,000
	Rajasthan . . . . .	30	8,57,225	1,241	49,86,785
	Uttar Pradesh . . . . .	134	48,11,925	2,229	1,80,59,470
	Chandigarh . . . . .	2	1,500	8	56,000
	Delhi . . . . .	14	14,20,000	120(E)	20,41,500
	<b>SUB-TOTAL</b>	<b>344</b>	<b>1,20,71,910</b>	<b>4,674</b>	<b>3,61,09,403</b>
<i>Western Region</i>	Gujarat . . . . .	43	31,70,420	569	86,08,640
	Madhya Pradesh . . . . .	30	21,52,000	1,071	67,72,260
	Maharashtra . . . . .	105	57,98,000	855	1,80,38,845
	Goa, Daman & Diu . . . . .	..	..	24	24,85,550
	D. & N Haveli (R) . . . . .	..	..	12	10,000
	<b>SUB-TOTAL</b>	<b>178</b>	<b>11,12,0420</b>	<b>2,531</b>	<b>3,36,78,295</b>
<i>Eastern Region</i>	Bihar . . . . .	41	13,77,800	612	34,49,350
	Orissa . . . . .	45	14,92,900	404	18,34,150
	West Bengal . . . . .	127	16,23,053	565	46,87,335
	D.V.C. . . . .	24	19,63,500	81(R)	21,30,400(R)
	A N Islands . . . . .	15	8,175	21	1,150
	Sikkim . . . . .	11	17,950	6	20,750
	<b>SUB-TOTAL</b>	<b>263</b>	<b>64,83,378</b>	<b>1,689</b>	<b>1,21,25,135</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	78	28,53,300	985	65,51,195
	Karnataka . . . . .	59	22,15,000	458	46,19,200
	Kerala . . . . .	36	11,97,975	250	30,33,000
	Tamil Nadu . . . . .	143	44,30,530	849	80,83,450
	Pondicherry . . . . .	..	..	6	60,000
	Lakshadweep . . . . .	2	410	..	..
	<b>SUB-TOTAL</b>	<b>318</b>	<b>1,06,97,215</b>	<b>2,548</b>	<b>2,23,46,845</b>
<i>North Eastern Region.</i>	Assam . . . . .	41(E)	3,61,707	177(R)	5,89,063(R)
	Manipur (R) . . . . .	12	9,000	..	..
	Meghalaya . . . . .	14	1,50,550	43	73,590
	Nagaland . . . . .	4	1,500	39	64,250
	Tripura . . . . .	2	11,760	16	49,760
	Arunachal Pradesh . . . . .	18	7,704	1	300
	Mizoram . . . . .	11	2,750	3	5,750
	<b>SUB-TOTAL</b>	<b>102</b>	<b>5,44,971</b>	<b>279</b>	<b>7,82,713</b>
	<b>TOTAL (ALL INDIA)</b>	<b>1,205</b>	<b>4,09,17,894</b>	<b>11,721</b>	<b>10,50,42,391</b>

(E)=Data estimated due to non-availability of information.

(A)=Figures has gone down as compared to previous year due to revision/delition/Failure of transformers by Board/Electy. Departments.

TABLE No. 52—Contd.

State/U. Ts.	Distribution Transformers	
	Number	Aggregate Capacity (KVA)
Haryana . . . . .	34,137	26,12,044
Himachal Pradesh . . . . .	3,836	2,36,396
Jammu & Kashmir(R). . . . .	2,700	3,50,000
Punjab . . . . .	38,910	30,25,352
Rajasthan . . . . .	39,164	26,90,882
Uttar Pradesh . . . . .	1,12,617	61,96,632
Chandigarh . . . . .	432	1,24,353
Delhi . . . . .	3,219	16,19,275
<b>SUB-TOTAL</b>	<b>2,35,015</b>	<b>1,68,54,934</b>
Gujarat . . . . .	52,706	41,80,165
Madhya Pradesh . . . . .	38,093	26,89,377
Maharashtra . . . . .	51,636	63,49,846
Goa, Daman & Diu . . . . .	1,084	70,000(E)
D & N Haveli . . . . .	85	4,879
<b>SUB-TOTAL</b>	<b>1,43,604</b>	<b>1,32,94,267</b>
Bihar . . . . .	23,803	19,36,458
Orissa . . . . .	12,896	7,78,030
West Bengal . . . . .	18,376	12,99,646
D.V.C. . . . .	..	..
A. & N. Island . . . . .	59	5,988
Sikkim . . . . .	130	11,500
<b>SUB-TOTAL</b>	<b>55,264</b>	<b>40,31,622</b>
Andhra Pradesh . . . . .	41,209	29,64,448
Karnataka . . . . .	36,670	24,49,309
Kerala . . . . .	11,505	11,88,892
Tamil Nadu . . . . .	53,082	54,51,155
Pondicherry . . . . .	648	75,572
Lakshadweep . . . . .	6	440
<b>SUB-TOTAL</b>	<b>1,43,120</b>	<b>1,21,29,816</b>
Assam . . . . .	3,695(R)	4,69,111(R)
Manipur (R) . . . . .	121	8,400
Meghalaya . . . . .	748	44,776
Nagaland . . . . .	468	33,493
Tripura . . . . .	766	53,301
Arunachal Pradesh . . . . .	81	4,459
Mizoram . . . . .	74	10,097
<b>SUB-TOTAL</b>	<b>5,953</b>	<b>6,23,637</b>
<b>TOTAL (ALL INDIA)</b>	<b>5,82,956</b>	<b>4,69,34,276</b>

(R)—Data of 1980-81 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, 1982

Region	State/U.Ts.	Step-up Transformers		Step-down Transformers	
		Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity (KVA)
Northern Region	Haryana	6	5,10,000	406	25,43,970
	Himachal Pradesh	42	1,75,250	117	2,59,678
	Jammu & Kashmir (R)	57	3,01,000	73	3,25,000
	Punjab	21	8,87,010	400	44,52,500
	Rajasthan	28(A)	3,57,225	1,235	49,10,785
	Uttar Pradesh	134	48,11,925	2,229	1,80,59,470
	<b>SUB-TOTAL</b>	<b>288</b>	<b>70,42,410</b>	<b>4,460</b>	<b>3,05,51,403</b>
Western Region	Gujarat	30	26,75,420	504	79,66,000
	Madhya Pradesh	30	21,52,000	1,071	67,72,260
	Maharashtra (E)	73	44,57,000	615(E)	1,43,40,570
	<b>SUB-TOTAL</b>	<b>133</b>	<b>92,84,420</b>	<b>2,190</b>	<b>2,90,78,830</b>
Eastern Region	Bihar	41	13,77,800	612	34,49,350
	Orissa	45	14,92,900	404	18,34,150
	West Bengal	109(R)	1,238,853(R)	422	26,95,335
	<b>SUB-TOTAL</b>	<b>195</b>	<b>41,09,553</b>	<b>1,438</b>	<b>79,78,835</b>
Southern Region	Andhra Pradesh	78	28,53,300	988	65,51,195
	Karnataka	59	22,15,000	458	46,19,200
	Kerala	36(A)	11,97,975	250(E)	30,33,000
	Tamil Nadu	132	34,45,530	830	77,43,450
	<b>SUB-TOTAL</b>	<b>305</b>	<b>97,11,805</b>	<b>2,526</b>	<b>2,19,46,845</b>
North Eastern Region	Assam	41(E)	3,61,707(E)	177(R)	5,89,063(R)
	Meghalaya	14	1,50,550	43	73,590
	<b>SUB-TOTAL</b>	<b>55</b>	<b>5,12,257</b>	<b>220</b>	<b>6,62,653</b>
<b>TOTAL (ALL INDIA)</b>		<b>976</b>	<b>3,06,60,445</b>	<b>10,834</b>	<b>9,02,18,566</b>

(A)—Figures 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 repeated due to non-availability of information.

TABLE NO. 53—Contd.

State/U. Ts.	Distribution Transformers	
	Number	Aggregate Capacity (KVA)
Haryana . . . . .	34,137	26,12,044
Himachal Pradesh . . . . .	3,836	2,36,396
Jammu & Kashmir . . . . .	2,700	3,50,000
Punjab . . . . .	38,692	29,41,402
Rajasthan . . . . .	39,149	26,72,132
Uttar Pradesh . . . . .	1,11,275	61,51,805
SUB-TOTAL . . . . .	2,29,789	1,49,63,779
Gujarat . . . . .	50,659	36,93,946
Madhya Pradesh . . . . .	37,357	26,40,143
Maharashtra . . . . .	48,000(E)	50,61,042
SUB-TOTAL . . . . .	1,36,016	1,13,95,131
Bihar . . . . .	23,575	19,10,829
Orissa . . . . .	12,738	7,69,460
West Bengal (R) . . . . .	16,714	7,99,681
SUB-TOTAL . . . . .	53,027	34,79,970
Andhra Pradesh . . . . .	40,158	28,89,603
Karnataka . . . . .	36,249	24,25,780
Kerala . . . . .	11,340	11,68,051
Tamil Nadu . . . . .	53,057	53,89,416
SUB-TOTAL . . . . .	1,40,804	1,18,72,850
Assam . . . . .	3,695(R)	4,69,111(R)
Meghalaya . . . . .	748	44,776
SUB-TOTAL . . . . .	4,443	5,13,887
TOTAL (ALL (INDIA) . . . . .	5,64,079	4,22,25,617

## 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.

SECTION VIII  
**Utilisation**

**1. Energy Consumption :—**

Electricity consumption by various categories of consumers served by utilities during the year under review was 90245.33 Gwh registering an increase of 9.56 % over the previous year.

As in the preceding year, the major portion of electricity viz. 80641.21 Gwh representing 89.36 % of the total energy consumption was distributed by the Public Sector and remaining 10.64% was distributed by the Private Sector. Out of the 89.36% of energy distributed by the Public Sector, 79.41% was sold by the 18 States Electricity Boards and balance 9.95 % was supplied by the Municipalities and Electricity Departments of States and Union Territories. Out of 10.64% of energy distributed by the whole Private Sector, the 3 major private licensees viz. Tata Electric Companies, Calcutta Electric Supply Corporation and Ahmedabad Electricity Supply Company distributed 2.41 %, 3.21 % and 1.91 % of energy to its consumers respectively. The details of energy sold by various agencies are enumerated in the following table :—

Sl. No.	Ownership	Energy sold to ultimate consumers	% to total consumers U	% increase over 1980-81
1.	State Electricity Boards . . . . .	71,664.86	79.41	10.83
2.	Electricity Departments . . . . .	4,421.91	4.90	7.98
3.	Municipalities (including DESU) . . . . .	4,554.44	5.05	7.77
4.	Private Licensees (including Co-operatives)	9,604.12	10.64	2.34
<b>TOTAL .</b>		<b>90,245.33</b>	<b>100.00</b>	<b>9.56</b>

As regards the energy consumed by various classes of consumers, the industrial category of consumer consumed highest energy and was 58.80% of the total energy sold by public utilities as compared to 58.36% during 1980-81. The energy sales to industrial consumers registered an increase of 10.39% over the previous year.

Agricultural consumers remained the second largest category amongst the consumers of electricity consuming 16.84% of total energy sales as compared to 17.59% during the previous year. Percentage increase in consumption of energy by agricultural consumers being 4.91% as compared to previous year.

**2. Per Capita Consumption :—**

The per capita consumption of electricity in the country was 141.27 Kwh during 1981-82 as compared to 132.34 Kwh during 1980-81. Western region had the maximum per capita consumption of 198.67 Kwh followed by Southern, Northern, Eastern and North-Eastern Regions with figures of 151.66, 130.57, 105.32 and 35.64 respectively.

Among the States, Punjab with per capita consumption of 300.51 Kwh was at the top followed by Gujarat, Maharashtra and Haryana having per capita of 249.32, 247.18 and 237.74 Kwh respectively. However, Union Territory of Delhi had the highest per capita consumption of electricity of 416.51 Kwh in the country during the year followed by Chandigarh (384.35 Kwh).

**3. Electrical Accidents :—**

While utilising the electricity, several accidents occurred at various electrical installations. During the year 1981-82 total number of electrical accidents reported were 4792 which comprised of 1715 fatal, 1923 non-fatal accidents of human; and 1152 fatal and 2 non-fatal accidents of animals. Corresponding figures for the year 1980-81 were 2032 fatal, 2149 non-fatal accidents to human and 1293 fatal and 4 non-fatal accidents to 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 1981—82*

Category	Energy sold during 1981-82 (GWH)	% to total sales in 1981-82	Energy sold during 1980-81 (GWH)	% total sales in 1980-81	% increase in sale over previous year 1980-81
Domestic . . . . .	10,439.62	11.57	9,246.43	11.23	12.90
Commercial . . . . .	5,194.41	5.76	4,681.84	5.68	10.95
Industrial Power . . . . .	53,063.79	58.80	48,069.35	58.36	10.39
Public Lighting . . . . .	812.72	0.90	748.42	0.91	8.59
Railways/Tramways . . . . .	2,504.72	2.78	2,265.91	2.75	10.54
Agriculture . . . . .	15,201.16	16.84	14,489.03	17.59	4.91
Public Water Works & Sewage pumping . . . . .	1,673.60	1.85	1,534.36	1.86	9.07
Miscellaneous . . . . .	1,355.31	1.50	1,331.84	1.62	1.76
<b>TOTAL . . . . .</b>	<b>90,245.33</b>	<b>100.00</b>	<b>82,367.18</b>	<b>100.00</b>	<b>9.56</b>



TABLE No. 55  
*Energy Sales to Ultimate Consumers (Utilities only)*  
*Ownership-wise/Regionwise/Statewise during the year 1981-82.*

Region	State/U. Ts.	Total Energy Sold (GWH)	Public Sector	
			State Electricity Board	
			(GWH)	% to total
<i>Northern Region</i>	Haryana . . . . .	2,999.41	2,999.41	100.00
	Himachal Pradesh . . . . .	299.05	285.97	95.63
	Jammu & Kashmir . . . . .	538.83	505.00	93.72
	Punjab . . . . .	5,082.25	4,352.91	85.65
	Rajasthan . . . . .	3,131.23	3,123.67	99.76
	Uttar Pradesh . . . . .	8,492.32	8,457.12	99.59
	Chandigarh . . . . .	179.98	..	..
	Delhi . . . . .	2,505.55	..	..
	<b>SUB-TOTAL</b>	<b>23,228.62</b>	<b>19,724.08</b>	<b>84.91</b>
<i>Western Region</i>	Gujarat . . . . .	8,105.71	5,723.40	70.61
	Madhya Pradesh . . . . .	501.14	4,989.03	99.50
	Maharashtra . . . . .	14,932.59	9,325.28	62.45
	Goa, Daman & Diu . . . . .	198.79	..	..
	Dadra & Nagar Haveli . . . . .	7.71	..	..
		<b>SUB-TOTAL</b>	<b>28,258.94</b>	<b>20,037.71</b>
<i>Eastern Region</i>	Bihar . . . . .	4,505.34	2,808.30	62.33
	Orissa . . . . .	2,846.70	2,843.21	99.88
	West Bengal . . . . .	6,127.78	1,861.05	30.37
	Andaman & Nicobar Islands . . . . .	9.59	..	..
	Sikkim . . . . .	19.99	..	..
		<b>SUB-TOTAL</b>	<b>13,509.40</b>	<b>7,512.56</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	6,070.62	6,016.12	99.10
	Karnataka . . . . .	6,016.58	6,007.41	99.85
	Kerala . . . . .	2,993.00	2,954.54	98.72
	Tamil Nadu . . . . .	9,109.52	8,597.80	94.38
	Pondicherry . . . . .	149.48	..	..
	Lakshadweep . . . . .	1.44	..	..
		<b>SUB-TOTAL</b>	<b>24,340.64</b>	<b>23,575.87</b>
<i>North Eastern Region</i>	Assam . . . . .	752.30	752.30	100.00
	Manipur . . . . .	13.30	..	..
	Meghalaya . . . . .	62.34	62.34	100.00
	Nagaland . . . . .	23.32	..	..
	Tripura . . . . .	37.96	..	..
	Arunachal Pradesh . . . . .	12.24	..	..
	Mizoram . . . . .	6.27	..	..
		<b>SUB-TOTAL</b>	<b>907.73</b>	<b>814.64</b>
	<b>TOTAL (ALL INDIA)</b>	<b>90,245.33</b>	<b>71,664.86</b>	<b>79.41</b>

TABLE No. 55—(Contd.)

STATE/U.Ts.	PUBLIC SECTOR			
	Municipalities		Govt. Deptt./Govt. Undertaking/Corporation	
	(GWH)	% to total	(GWH)	% to total
Haryana . . . . .	..	..	..	..
Himachal Pradesh . . . . .	..	..	13.08	4.37
Jammu & Kashmir . . . . .	..	..	26.44	4.91
Punjab . . . . .	154.94	3.05	574.40	11.30
Rajasthan . . . . .	..	..	..	..
Uttar Pradesh . . . . .	..	..	..	..
Chandigarh . . . . .	..	..	179.98	100.00
Delhi . . . . .	2,502.50	99.88	3.05	0.12
<b>SUB-TOTAL</b> . . . . .	<b>2,657.44</b>	<b>11.44</b>	<b>796.95</b>	<b>3.43</b>
Gujarat . . . . .	189.14	2.33	..	..
Madhya Pradesh . . . . .	..	..	..	..
Maharashtra . . . . .	1,504.05	10.07	151.17	1.01
Goa, Daman & Diu . . . . .	..	..	198.79	100.00
Dadar & Nagar Haveli . . . . .	..	..	7.71	100.00
<b>SUB-TOTAL</b> . . . . .	<b>1,693.19</b>	<b>5.99</b>	<b>357.67</b>	<b>1.26</b>
Bihar . . . . .	..	..	1,688.09	37.47
Orissa . . . . .	..	..	..	..
West Bengal . . . . .	..	..	986.41	16.10
Andaman & Nicobar Islands . . . . .	..	..	9.59	100.00
Sikkim . . . . .	..	..	19.99	100.00
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>2,704.08</b>	<b>20.02</b>
Andhra Pradesh . . . . .	..	..	..	..
Karnataka . . . . .	..	..	..	..
Kerala . . . . .	24.00	0.80	..	..
Tamil Nadu . . . . .	179.81	1.98	319.20	3.50
Pondicherry . . . . .	..	..	149.48	100.00
Lakshadweep . . . . .	..	..	1.44	100.00
<b>SUB-TOTAL</b> . . . . .	<b>203.81</b>	<b>0.84</b>	<b>470.12</b>	<b>1.93</b>
Assam . . . . .	..	..	..	..
Manipur . . . . .	..	..	13.30	100.00
Meghalaya . . . . .	..	..	..	..
Nagaland . . . . .	..	..	23.32	100.00
Tripura . . . . .	..	..	37.96	100.00
Arunachal Pradesh . . . . .	..	..	12.24	100.00
Mizoram . . . . .	..	..	6.27	100.00
<b>SUB-TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>93.09</b>	<b>10.26</b>
<b>TOTAL ALL (INDIA)</b> . . . . .	<b>4,554.44</b>	<b>5.05</b>	<b>4,421.91</b>	<b>4.90</b>

TABLE NO. 55—(Contd.)

State/U.Ts.	Private Sector Companies	
	(GWH)	% to Total
Haryana . . . . .	..	..
Himachal Pradesh . . . . .	..	..
Jammu & Kashmir . . . . .	7.39	1.37
Punjab . . . . .	..	..
Rajasthan . . . . .	7.56	0.24
Uttar Pradesh . . . . .	35.20	0.41
Chandigarh . . . . .	..	..
Delhi . . . . .	..	..
SUB-TOTAL	50.15	0.22
Gujarat . . . . .	2,193.17	27.06
Madhya Pradesh . . . . .	25.11	0.50
Maharashtra . . . . .	3,952.09	26.47
Goa, Daman & Diu . . . . .	..	..
Dadra & Nagar Haveli . . . . .	..	..
SUB-TOTAL	6,170.37	21.84
Bihar . . . . .	8.95	0.20
Orissa . . . . .	3.49	0.12
West Bengal . . . . .	3,280.32	53.53
Andaman & Nicobar Islands . . . . .	..	..
Sikkim . . . . .	..	..
SUB-TOTAL	3,292.76	24.37
Andhra Pradesh . . . . .	54.50	0.90
Karnataka . . . . .	9.17	0.15
Kerala . . . . .	14.46	0.48
Tamil Nadu . . . . .	12.71	0.14
Pondicherry . . . . .	..	..
Lakshadweep . . . . .	..	..
SUB-TOTAL	90.84	0.37
Assam . . . . .	..	..
Manipur . . . . .	..	..
Meghalaya . . . . .	..	..
Nagaland . . . . .	..	..
Tripura . . . . .	..	..
Arunachal Pradesh . . . . .	..	..
Mizoram . . . . .	..	..
SUB-TOTAL	..	..
TOTAL ALL (INDIA)	9,604.12	10.64

TABLE NO. 56  
*Energy Sales to Ultimate Consumers (Utilities Only)*  
 Categorywise-Regionwise/Statewise during the year 1981-82.

(GWH)				
Region	State/Uts	Total energy sold	Domestic	Commercial
<i>Northern Region</i>	Haryana . . . . .	2,999.41	278.74	83.73
	Himachal Pradesh . . . . .	299.05	83.64	34.99
	Jammu & Kashmir (E) . . . . .	538.83	107.14	44.45
	Punjab . . . . .	5,082.25	553.62	124.35
	Rajasthan . . . . .	3,131.23	259.31	162.37
	Uttar Pradesh . . . . .	8,492.32	923.15	64.93
	Chandigarh . . . . .	179.98	56.25	32.46
	Delhi . . . . .	2,505.55	832.93	810.53
	SUB-TOTAL	23,228.62	3,094.78	1,357.81
<i>Western Region</i>	Gujarat . . . . .	8,105.71	748.21	319.23
	Madhya Pradesh . . . . .	5,014.14	380.79	232.14
	Maharashtra . . . . .	14,932.59	1,939.30	1,087.62
	Goa, Daman & Diu . . . . .	198.79	35.09	12.39
	Dadra & Nagar Haveli . . . . .	7.71	1.12	0.28
	SUB-TOTAL	28,258.94	3,104.51	1,651.66
<i>Eastern Region</i>	Bihar (S) . . . . .	4,505.34	149.89	96.30
	Orissa . . . . .	2,846.70	136.47	76.41
	West Bengal (S) . . . . .	6,127.78	825.47	547.25
	Andaman & Nicobar Islands . . . . .	9.59	3.36	3.78
	Sikkim . . . . .	19.99	8.29	2.50
	SUB-TOTAL	13,509.40	1,123.48	726.24
<i>Southern Region</i>	Andhra Pradesh . . . . .	6,070.62	643.38	468.10
	Karnataka . . . . .	6,016.58	791.46	143.92
	Kerala . . . . .	2,993.00	573.47	260.88
	Tamil Nadu . . . . .	9,109.52	933.84	515.78
	Pondicherry . . . . .	149.48	20.24	7.77
	Lakshadweep . . . . .	1.44	0.89	0.47
	SUB-TOTAL	24,340.64	2,963.28	1,396.92
<i>North Eastern Region</i>	Assam . . . . .	752.30	92.00	41.00
	Manipur (E) . . . . .	13.30	9.70	0.77
	Meghalaya . . . . .	62.34	14.78	9.65
	Nagaland . . . . .	23.32	6.61	4.47
	Tripura . . . . .	37.96	21.60	4.55
	Arunachal Pradesh . . . . .	12.24	5.06	0.69
	Mizoram . . . . .	6.27	3.82	0.65
	SUB-TOTAL	907.73	153.57	61.78
TOTAL ALL INDIA)		90,245.33	10,439.62	5,194.41

NOTE : S—Includes DVC's sales to ultimate consumers in Bihar and West Bengal.  
 (E)—Estimated.

TABLE NO. 56—(Contd.)

State/U.Ts.	(GWH)			
	Industrial Power (Low & Medium Voltage)	Industrial Power (High Voltage)	Public lighting	Traction
Haryana . . . . .	370.28	1,015.60	8.55	..
Himachal Pradesh . . . . .	130.47	(A)	1.97	..
Jammu & Kashmir (E) . . . . .	159.92	(A)	8.03	..
Punjab . . . . .	608.02	1,748.05(B)	14.94	..
Rajasthan . . . . .	1,398.65	(A)	18.24	..
Uttar Pradesh . . . . .	893.53	3,132.21	36.48	406.73
Chandigarh . . . . .	28.56	48.59	4.01	..
Delhi . . . . .	349.43	403.05	68.67	..
<b>SUB-TOTAL</b> . . . . .	<b>3,938.86</b>	<b>6,347.50</b>	<b>160.89</b>	<b>406.73</b>
Gujarat . . . . .	882.30	4,398.16	74.19	133.49
Madhya Pradesh . . . . .	354.72	3,290.74	42.64	142.38
Maharashtra . . . . .	1,310.88	7,261.04	164.27	735.47
Goa, Daman & Diu . . . . .	13.26	79.44	2.77	..
D. & N. Haveli . . . . .	1.05	4.75	0.12	..
<b>SUB-TOTAL</b> . . . . .	<b>2,562.21</b>	<b>15,034.13</b>	<b>283.99</b>	<b>1,011.34</b>
Bihar . . . . .	239.10	3,061.28	5.61	380.64
Orissa . . . . .	103.92	2,241.77	10.02	92.13
West Bengal . . . . .	396.39	3,549.04	49.12	416.42
A. & N. Islands . . . . .	1.89	..	0.38	..
Sikkim . . . . .	4.50	0.50	3.40	..
<b>SUB-TOTAL</b> . . . . .	<b>745.80</b>	<b>8,852.59</b>	<b>68.53</b>	<b>889.19</b>
Andhra Pradesh . . . . .	434.39	3,168.30	55.55	132.24
Karnataka . . . . .	507.52	4,051.23	77.40	..
Kerala . . . . .	257.91	1,674.97	59.98	..
Tamil Nadu . . . . .	656.83	4,203.21	88.13	65.22
Pondicherry . . . . .	10.54	67.22	2.46	..
Lakshadweep . . . . .	0.04	..	0.04	..
<b>SUB-TOTAL</b> . . . . .	<b>1,867.23</b>	<b>13,164.93</b>	<b>283.56</b>	<b>197.46</b>
Assam . . . . .	254.66	256.11	10.00	..
Manipur . . . . .	1.14	..	0.49	..
Meghalaya . . . . .	27.32	..	0.23	..
Nagaland . . . . .	1.11	..	1.46	..
Tripura . . . . .	4.93	0.38	1.14	..
Arunachal Pradesh . . . . .	0.93	3.50	1.57	..
Mizoram . . . . .	0.46	..	0.86	..
<b>SUB-TOTAL</b> . . . . .	<b>290.55</b>	<b>259.99</b>	<b>15.75</b>	<b>..</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>9,404.65</b>	<b>43,659.14</b>	<b>812.72</b>	<b>2,504.72</b>

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

(B)—Includes 566.58 GWH sales to Nangal fertilizers by BBMB.

(E)—Estimated.

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

TABLE No. 56—Contd.

(GWH)

State/U.Ts,	Agriculture	Public Water work and sewage pumping	Miscellaneous
Haryana . . . . .	1,159.40	22.17	60.94
Himachal Pradesh . . . . .	6.51	..	41.47
Jammu & Kashmir (E) . . . . .	30.46	55.18	133.65
Punjab . . . . .	1,860.07	8.04(c)	165.16
Rajasthan . . . . .	1,031.28	158.14	103.24
Uttar Pradesh . . . . .	2,833.24	144.58	57.47
Chandigarh . . . . .	1.34	2.84	5.93
Delhi . . . . .	0.16	(F)	40.78
SUB-TOTAL . . . . .	6,922.46	390.95	608.64
Gujarat . . . . .	1,316.23	194.37	39.53
Madhya Pradesh . . . . .	393.82	176.91	..
Maharashtra . . . . .	1,878.74	348.12	207.15
Goa, Daman & Diu . . . . .	2.33	32.66	20.85
D. & N. Haveli . . . . .	0.39	(G)	..
SUB-TOTAL . . . . .	3,591.51	752.06	267.53
Bihar . . . . .	493.73	62.01	16.78
Orissa . . . . .	64.19	37.92	83.87
West Bengal . . . . .	66.32	173.28	104.49
A. & N. Islands . . . . .	..	0.07	0.11
Sikkim . . . . .	..	0.50	0.30
SUB-TOTAL . . . . .	624.24	273.78	205.55
Andhra Pradesh . . . . .	1004.55	93.41	70.70
Karnataka . . . . .	427.15	0.34(AA)	17.56
Kerala . . . . .	105.04	41.75	19.00
Tamil Nadu . . . . .	2,475.73	93.05	77.73
Pondicherry . . . . .	36.30	4.95	..
Lakshadweep . . . . .	..	..	..
SUB-TOTAL . . . . .	4,048.77	233.50	184.99
Assam . . . . .	10.00	20.00	68.53
Manipur (E) . . . . .	1.14	0.06	..
Meghalaya . . . . .	0.02	0.49	9.85
Nagaland . . . . .	..	0.17	9.50
Tripura . . . . .	3.02	2.26	0.08
Arunachal Pradesh . . . . .	..	0.09	0.40
Mizoram . . . . .	..	0.24	0.24
SUB-TOTAL . . . . .	14.18	23.31	88.60
TOTAL (ALL INDIA) . . . . .	15,201.16	1,673.60	1,355.31

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

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 Agriculture

TABLE No. 57  
*Energy Sales By State Electricity Boards*  
 Categorywise-Regionwise During 1981-82

(GWH)				
Region	State/U.Ts.	Total sold to ultimate consumers	Domestic	Commercial
<i>Northern Region</i>	Haryana . . . . .	2,999.41	278.74	83.73
	Himachal Pradesh . . . . .	285.97	70.56	34.99
	Jammu & Kashmir . . . . .	505.00	106.28	44.23
	Punjab . . . . .	4,352.91	494.43	124.35
	Rajasthan . . . . .	3,123.67	258.67	161.99
	Uttar Pradesh . . . . .	8,457.12	921.95	64.93
	SUB-TOTAL	19,724.08	2,130.63	514.22
<i>Western Region</i>	Gujarat . . . . .	5,723.40	442.36	86.23
	Madhya Pradesh . . . . .	4,989.03	378.46	231.47
	Maharashtra . . . . .	9,325.28	834.23	372.91
	SUB-TOTAL	20,037.71	1,655.05	690.61
<i>Eastern Region</i>	Bihar (A) . . . . .	2,808.30	149.18	95.87
	Orissa . . . . .	2,843.21	134.85	75.95
	West Bengal (A) . . . . .	1,861.05	162.46	130.28
	SUB-TOTAL	7,512.56	446.49	302.10
<i>Southern Region</i>	Andhra Pradesh . . . . .	6,016.12	638.25	466.85
	Karnataka . . . . .	6,007.41	788.82	143.39(F)
	Kerala . . . . .	2,954.54	566.78	253.26
	Tamil Nadu . . . . .	8,597.80	860.88	457.05
	SUB-TOTAL	23,575.87	2,854.73	1,320.55
<i>North Eastern Region</i>	Assam . . . . .	752.30	92.00	41.00
	Meghalaya . . . . .	62.34	14.78	9.65
	SUB-TOTAL	814.64	106.78	50.65
TOTAL (ALL INDIA)		71,664.86	7,193.68	2,878.13

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

TABLE No. 57 —(Contd.)

(GWH)

Name of the State Electricity Board	Industrial (low & medium voltage)	Industrial (High Voltage)	Public Lighting
Haryana . . . . .	370.28	1,015.60	8.55
Himachal Pradesh . . . . .	130.47	(B)	1.97
Jammu & Kashmir . . . . .	158.50	..	7.99
Punjab . . . . .	587.93	1,138.82	12.53
Rajasthan . . . . .	1,397.51	(B)	18.16
Uttar Pradesh . . . . .	875.14	3,132.21	36.44
SUB-TOTAL . . . . .	3,519.83	5,286.63	85.64
Gujarat . . . . .	518.99	3,137.36	46.44
Madhya Pradesh . . . . .	350.93	3,290.72	42.07
Maharashtra . . . . .	738.39	4,788.71	100.44
SUB-TOTAL . . . . .	1,608.31	11,216.79	188.95
Bihar . . . . .	237.27	1,538.66	5.60
Orissa . . . . .	102.87	2,241.77	9.97
West Bengal . . . . .	141.89	970.88	10.72
SUB-TOTAL . . . . .	482.03	4,751.31	26.29
Andhra Pradesh . . . . .	428.05	3,168.30	54.71
Karnataka . . . . .	504.93	4,050.18	77.02
Kerala . . . . .	241.60	1,669.61	57.89
Tamil Nadu . . . . .	622.03	3,873.23	80.75
SUB-TOTAL . . . . .	1,796.61	12,761.32	210.37
Assam . . . . .	254.66	256.11	10.00
Meghalaya . . . . .	27.32	..	0.23
SUB-TOTAL . . . . .	281.98	256.11	10.23
TOTAL (ALL INDIA) . . . . .	7,688.76	34,272.16	581.48

NOTE :—(B) Included in Industrial (low &amp; medium) voltage.

(C) Includes 130.66 GWH sales to tea gardens.

(F) Commercial Power included under industrial (low &amp; medium) voltage category.



TABLE No. 57 —(Contd.)

Name of the State Electricity Board	Traction	Agriculture	Public Water Works	Miscellaneous
Haryana . . . . .	..	1,159.40	22.17	60.94
Himachal Pradesh . . . . .	..	6.51	(B)	41.47
Jammu & Kashmir . . . . .	..	29.49	51.60	106.91
Punjab . . . . .	..	1,860.00	(D)	134.85
Rajasthan . . . . .	..	1,026.16	157.94	103.24
Uttar Pradesh . . . . .	406.73	2,817.67	144.58	57.47
<b>SUB-TOTAL</b>	<b>406.73</b>	<b>6,899.23</b>	<b>376.29</b>	<b>504.88</b>
Gujarat . . . . .	133.49	1,275.47	78.61	4.45
Madhya Pradesh . . . . .	142.38	376.27	176.73	..
Maharashtra . . . . .	231.30	1,746.04	307.44	205.82
<b>SUB-TOTAL</b>	<b>507.17</b>	<b>3,397.78</b>	<b>562.78</b>	<b>210.27</b>
Bihar . . . . .	230.22	489.49	62.01	..
Orissa . . . . .	92.13	63.88	37.92	83.87
West Bengal . . . . .	307.85	66.16	22.69	48.12
<b>SUB-TOTAL</b>	<b>630.20</b>	<b>619.53</b>	<b>122.62</b>	<b>131.99</b>
Andhra Pradesh . . . . .	132.24	967.34	89.74	70.64
Karnataka . . . . .	..	425.53	(B)	17.54
Kerala . . . . .	..	104.82	41.58	19.00
Tamil Nadu . . . . .	65.22	2,471.69	90.96	75.99
<b>SUB-TOTAL</b>	<b>197.46</b>	<b>3,969.38</b>	<b>222.28</b>	<b>183.17</b>
Assam . . . . .	..	10.00	20.00	68.53
Meghalaya . . . . .	..	0.02	0.49	9.85
<b>SUB-TOTAL</b>	<b>..</b>	<b>10.02</b>	<b>20.49</b>	<b>78.38</b>
<b>TOTAL (ALL INDIA)</b>	<b>1,741.56</b>	<b>14,895.94</b>	<b>1,304.46</b>	<b>1,108.69</b>

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 1981-82

(GWH)

Region	State/U. Ts.	Total sold to ultimate consumers	Domestic	Commercial
<i>Northern Region</i>	Jammu & Kashmir . . . . .	7.39	0.86	0.22
	Rajasthan . . . . .	7.56	0.64	0.38
	Uttar Pradesh . . . . .	35.20	1.20	..
	SUB-TOTAL . . . . .	50.15	2.70	0.60
<i>Western Region</i>	Gujarat . . . . .	2,193.17	242.26	230.54
	Madhya Pradesh . . . . .	25.11	2.33	0.67
	Maharashtra . . . . .	3,952.09	564.29	190.41
	SUB-TOTAL . . . . .	6,170.37	808.88	421.62
<i>Eastern Region</i>	Bihar . . . . .	8.95	0.71	0.40
	Orissa . . . . .	3.49	1.62	0.46
	West Bengal . . . . .	3,280.32	647.35	415.45
	SUB-TOTAL . . . . .	3,292.76	649.68	416.31
<i>Southern Region</i>	Andhra Pradesh . . . . .	54.50	5.13	1.25
	Karnataka . . . . .	9.17	2.64	0.53
	Kerala . . . . .	14.46	1.34	1.19
	Tamil Nadu . . . . .	12.71	4.60	1.50
	SUB-TOTAL . . . . .	90.84	13.71	4.47
TOTAL (ALL INDIA) . . . . .		9,604.12	1,474.97	843.00

TABLE NO. 58—Contd.

State/U.Ts.	Industrial Power (Low & Medium Voltage)	Industrial Power (High Voltage)	Public lighting	Traction
Jammu & Kashmir . . . . .	1.42	..	0.04	..
Rajasthan . . . . .	1.14	..	0.08	..
Uttar Pradesh . . . . .	18.39	(c)	0.04	..
SUB-TOTAL . . . . .	20.95	..	0.16	..
Gujarat . . . . .	339.11	1,184.72	21.49	..
Madhya Pradesh . . . . .	3.79	0.02	0.57	..
Maharashtra . . . . .	375.57	2,288.80	34.69	353.00
SUB-TOTAL . . . . .	718.47	3,473.54	56.75	353.00
Bihar . . . . .	1.83	1.76	0.01	..
Orissa . . . . .	1.05	..	0.05	..
West Bengal . . . . .	251.29	1,706.15	38.00	26.00
SUB-TOTAL . . . . .	254.17	1,707.91	38.06	26.00
Andhra Pradesh . . . . .	6.34	..	0.84	..
Karnataka . . . . .	2.59	1.05	0.38	..
Kerala . . . . .	11.49	(c)	0.27	..
Tamil Nadu . . . . .	2.69	(c)	0.26	..
SUB-TOTAL . . . . .	23.11	1.05	1.75	..
TOTAL (ALL INDIA) . . . . .	1,016.70	5,182.50	96.72	379.00

(c)—Included in Industrial Low and Medium Voltage.

TABLE NO. 58—Contd.

State/U.Ts.	Agricultural	Public Water Works & Sewage Pumping	Miscellaneous
Jammu & Kashmir . . . . .	0.97	3.58	0.30
Rajasthan . . . . .	5.12	0.20	..
Uttar Pradesh . . . . .	15.57	..	..
SUB-TOTAL . . . . .	21.66	3.78	0.30
Gujarat . . . . .	35.89	104.14	35.02
Madhya Pradesh . . . . .	17.55	0.18	..
Maharashtra . . . . .	131.23	12.83	1.27
SUB-TOTAL . . . . .	184.67	117.15	36.29
Bihar . . . . .	4.24	..	..
Orissa . . . . .	0.31	..	..
West Bengal . . . . .	0.16	139.80	56.12
SUB-TOTAL . . . . .	4.71	139.80	56.12
Andhra Pradesh . . . . .	37.21	3.67	0.06
Karnataka . . . . .	1.62	0.34	0.02
Kerala . . . . .	..	0.17	..
Tamil Nadu . . . . .	2.62	..	1.04
SUB-TOTAL . . . . .	41.45	4.18	1.12
TOTAL (ALL INDIA) . . . . .	252.49	264.91	93.83

TABLE NO. 59

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

*Categorywise/Regionwise/Statewise during 1981-82*

Region	State/U.Ts.	Total Energy sold	Domestic	Commerical
<i>I. Municipalities</i>				
<i>Northern Region</i>	Punjab . . . . .	154.94	59.19	(A)
	D.E.S.U. . . . .	2,099.70	746.00	499.61
	N.D.M.C. . . . .	402.80	83.88	310.92
<i>Western Region</i>	Gujarat . . . . .	189.14	63.59	2.46
	Maharashtra . . . . .	1,504.05	540.78	524.30
<i>Southern Region</i>	Kerala . . . . .	24.00	5.35	6.43
	Tamil Nadu . . . . .	179.81	68.36	57.23
SUB-TOTAL (I)		4,554.44	1,567.15	1,400.95
<i>II. Govt. Dep'ts./Central Sector Undertakings/Corporation</i>				
<i>Northern Region</i>	Punjab (BBMB) . . . . .	574.40	..	..
	H.P. (Bairasiul) . . . . .	13.08	13.08	..
	J. & K. (Satal) . . . . .	26.44	..	..
	Chandigarh . . . . .	179.98	56.25	32.46
	Central Sector (Badarpur T.P.S.) . . . . .	3.05	3.05	..
<i>Western Region</i>	Maharashtra (Chola) . . . . .	151.17	..	..
	D. & N. Haveli . . . . .	7.71	1.12	0.28
	Goa, Daman & Diu . . . . .	198.79	35.09	12.39
<i>Eastern Region</i>	D.V.C. (in Bihar) . . . . .	1,688.09	..	0.03
	D.V.C. (in W.B.) . . . . .	687.86	..	0.04
	Sikkim . . . . .	19.99	8.29	2.50
	West Bengal (D.P.L.) . . . . .	298.55	15.66	1.48
	A. & N. Islands . . . . .	9.59	3.36	3.78
<i>Southern Region</i>	Lakshadweep . . . . .	1.44	0.89	0.47
	Pondicherry . . . . .	149.48	20.24	7.77
	Central Sector (Neyveli) . . . . .	319.20	..	..
<i>North Eastern Region</i>	Manipur (E) . . . . .	13.20	9.70	0.77
	Nagaland . . . . .	23.32	6.61	4.47
	Tripura . . . . .	37.96	21.60	4.55
	Arunachal Pradesh . . . . .	12.24	5.06	0.69
	Mizoram . . . . .	6.27	3.82	0.65
SUB-TOTAL (II)		4,421.91	203.82	72.33
TOTAL (I+II)		8,976.35	1,770.97	1,473.28

TABLE NO. 59—Contd.

Ownership	State/U.Ts.	Industrial Power (low & medium Voltage)	Industrial Power (high Voltage)	Public lighting	Traction
<i>I. Municipalities</i>					
	Punjab . . . .	20.09	42.65	2.41	..
	D.E.S.U. . . . .	349.43	403.05	60.67	..
	N.D.M.C. . . . .	..	..	8.00	..
	Gujarat . . . . .	24.20	76.08	6.26	..
	Maharashtra . . . .	196.92	183.53	29.14	..
	Kerala . . . . .	4.82	5.36	1.82	..
	Tamil Nddu . . . . .	32.11	10.78	7.12	..
	<b>SUB-TOTAL (I)</b>	<b>627.57</b>	<b>721.45</b>	<b>115.42</b>	<b>..</b>
<i>II. Govt. Depts./Under-takings</i>					
	Punjab (BBMB) . . . .	..	566.58	..	..
	H.P. (Bairasiul) . . . .	..	..	..	..
	J & K (Salal) . . . . .	..	..	..	..
	Chandigarh . . . . .	28.56	48.59	4.01	..
	Central Sector (Badar- pur T.P.S.) . . . . .	..	..	..	..
	Maharashtra (Chola)	..	..	..	151.17
	D & N Haveli . . . . .	1.05	4.75	0.12	..
	Goa, Daman & Diu . . . .	13.26	79.44	2.77	..
	D.V.C. (in Bihar) . . . .	..	1,520.86*	..	150.42
	D.V.C. (in W.B.) . . . .	..	604.25	..	82.57
	Sikkim . . . . .	4.50	0.50	3.40	..
	D.P.L. (W.B.) . . . . .	3.21	266.76	0.40	..
	A & N Islands . . . . .	1.89	..	0.38	..
	Lakshadweep . . . . .	0.04	..	0.04	..
	Pondicherry . . . . .	10.54	67.22	2.46	..
	Central Sector (Neyveli)	..	319.20	..	..
	Manipur . . . . .	1.14	..	0.49	..
	Nagaland . . . . .	1.11	..	1.46	..
	Tripura . . . . .	4.93	0.38	1.14	..
	Arunachal Pradesh . . . .	0.93	3.50	1.57	..
	Mizoram . . . . .	0.46	..	0.86	..
	<b>TOTAL (II)</b>	<b>71.62</b>	<b>3,483.03</b>	<b>19.10</b>	<b>384.16</b>
	<b>TOTAL (I+II)</b>	<b>699.19</b>	<b>4,204.48</b>	<b>134.52</b>	<b>384.16</b>

\* Includes 7.41 GWH supply to F.C.I. Sindri through interconnected system.

TABLE NO. 59—Contd.

(GWH)

State/U.Ts.	Agricultural	Public Water Works & Sewage pumping	Miscellaneous
<i>I. Municipalities</i>			
Punjab . . . . .	0.07	8.04	22.49
D.E.S.U. . . . .	0.16	(D)	40.78
N D.M.C. . . . .	..	..	..
Gujarat . . . . .	4.87	11.62	0.06
Maharashtra . . . . .	1.47	27.85	0.06
Kerala . . . . .	0.22	..	..
Tamil Nadu . . . . .	1.42	2.09	0.70
<b>SUB-TOTAL (I)</b>	<b>8.21</b>	<b>49.60</b>	<b>64.09</b>
<i>II. Govt. Deptt./Undertaking</i>			
B.B.M B. in Punjab . . . . .	..	..	7.82
H.P. (Baira-Siul) . . . . .	..	..	..
J & K (Salal H.E.P.) . . . . .	..	..	26.44
Chandigarh . . . . .	1.34	2.84	5.93
Central Sector . . . . .	..	..	..
Maharashtra (Chola) . . . . .	..	..	..
D & N Haveli . . . . .	0.39	(F)	..
Goa, Daman & Diu . . . . .	2.33	32.66	20.88
D.V.C. (in Bihar) . . . . .	..	..	16.78
D.V.C. (in West Bengal) . . . . .	..	..	..
Sikkim . . . . .	..	0.50	0.30
West Bengal (D.P.L.) . . . . .	..	10.79	0.25
A & N Island . . . . .	..	0.07	0.11
Lakshadweep . . . . .	..	..	..
Pondicherry . . . . .	36.30	4.95	..
Central Sector (Neyveli) . . . . .	..	..	..
Manipur . . . . .	1.14	0.06	..
Nagaland . . . . .	..	0.17	9.50
Tripura . . . . .	3.02	2.26	0.08
Arunachal Pradesh . . . . .	..	0.09	0.40
Mizoram . . . . .	..	0.24	0.24
<b>SUB-TOTAL (II)</b>	<b>44.52</b>	<b>51.63</b>	<b>88.70</b>
<b>TOTAL (I+II)</b>	<b>52.73</b>	<b>104.23</b>	<b>152.79</b>

- (A) — Included in Domestic Category  
(D) — Included in Industrial high voltage.  
(E) — Estimated  
(F) — Included in Agricultural

TABLE NO. 60

Pattern of Energy Sales (Category-wise) Regionwise/Statewise during 1981-82

Region	State/UTs	Total sales (GWH)	Percentage to total sales	
			Domestic	Commercial
<i>Northern Region</i>	Haryana . . . . .	2,999.41	9.29	2.79
	Himachal Pradesh . . . . .	299.05	27.97	11.70
	Jammu & Kashmir . . . . .	538.83	19.88	8.25
	Punjab . . . . .	5,082.25	10.89	2.45
	Rajasthan . . . . .	3,131.23	8.28	5.19
	Uttar Pradesh . . . . .	8,492.32	10.87	0.77
	Chandigarh . . . . .	179.98	31.25	18.04
	Delhi . . . . .	2,505.55	33.24	32.35
	<b>SUB-TOTAL</b>	<b>23,228.62</b>	<b>13.32</b>	<b>5.85</b>
<i>Western Region</i>	Gujarat . . . . .	8,105.71	9.23	3.94
	Madhya Pradesh . . . . .	5,014.14	7.60	4.63
	Maharashtra . . . . .	14,932.59	12.99	7.28
	Goa, Daman & Diu . . . . .	198.79	17.65	6.23
	D. & N. Naveli . . . . .	7.71	14.53	3.63
		<b>SUB-TOTAL</b>	<b>28,258.94</b>	<b>10.99</b>
<i>Eastern Region</i>	Bihar . . . . .	4,505.34	3.33	2.14
	Orissa . . . . .	2,846.70	4.79	2.69
	West Bengal . . . . .	6,127.78	13.47	8.93
	A & N. Islands . . . . .	9.59	35.04	39.41
	Sikkim . . . . .	19.99	41.47	12.51
		<b>SUB-TOTAL</b>	<b>13,509.40</b>	<b>8.32</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	6,070.62	10.60	7.71
	Karnataka . . . . .	6,016.58	13.15	2.39
	Kerala . . . . .	2,993.00	19.16	8.72
	Tamil Nadu . . . . .	9,109.52	10.25	5.66
	Pondicherry . . . . .	149.48	13.54	5.20
	Lakshadweep . . . . .	1.44	61.80	32.64
		<b>SUB-TOTAL</b>	<b>23,340.64</b>	<b>12.17</b>
<i>North Eastern Region</i>	Assam . . . . .	752.30	12.23	5.45
	Manipur . . . . .	13.30	72.93	5.79
	Meghalaya . . . . .	62.34	23.71	15.48
	Nagaland . . . . .	23.32	28.34	19.17
	Tripura . . . . .	37.96	56.90	11.99
	Arunachal Pradesh . . . . .	12.24	41.34	5.64
	Mizoram . . . . .	6.27	60.92	10.36
		<b>SUB-TOTAL</b>	<b>907.73</b>	<b>16.92</b>
	<b>TOTAL (ALL INDIA)</b>	<b>90,245.33</b>	<b>11.57</b>	<b>5.76</b>

For foot notes see Table No. 56.

TABLE NO. 60—Contd.

State/UTs	Percentage to total sales		
	Industrial Power	Public Lighting	Traction
Haryana . . . . .	46.21	0.29	..
Himachal Pradesh . . . . .	43.63	0.66	..
Jammu & Kashmir . . . . .	29.68	1.49	..
Punjab . . . . .	46.36	0.29	..
Rajasthan . . . . .	44.67	0.58	..
Uttar Pradesh . . . . .	47.40	0.43	4.79
Chandigarh . . . . .	42.87	2.23	..
Delhi . . . . .	30.03	2.74	..
<b>SUB-TOTAL</b> . . . . .	<b>44.29</b>	<b>0.69</b>	<b>1.75</b>
Gujarat . . . . .	65.14	0.91	1.65
Madhya Pradesh . . . . .	72.70	0.85	2.84
Maharashtra . . . . .	57.40	1.10	4.93
Goa, Daman & Diu . . . . .	46.63	1.40	..
D & N. Haveli . . . . .	75.23	1.55	..
<b>SUB-TOTAL</b> . . . . .	<b>62.27</b>	<b>1.00</b>	<b>3.58</b>
Bihar . . . . .	73.25	0.12	8.45
Orissa . . . . .	82.40	0.35	3.24
West Bengal . . . . .	64.38	0.80	6.80
A & N. Islands . . . . .	19.71	3.96	..
Sikkim . . . . .	25.01	17.01	..
<b>SUB-TOTAL</b> . . . . .	<b>71.05</b>	<b>0.51</b>	<b>6.58</b>
Andhra Pradesh . . . . .	59.35	0.91	2.18
Karnataka . . . . .	75.77	1.29	..
Kerala . . . . .	64.58	2.00	..
Tamil Nadu . . . . .	53.35	0.97	0.72
Pondicherry . . . . .	52.02	1.65	..
Lakshadweep . . . . .	2.78	2.78	..
<b>SUB-TOTAL</b> . . . . .	<b>61.76</b>	<b>1.17</b>	<b>0.81</b>
Assam . . . . .	67.89	1.33	..
Manipur . . . . .	8.57	3.69	..
Meghalaya . . . . .	43.82	0.37	..
Nagaland . . . . .	4.76	6.26	..
Tripura . . . . .	13.99	3.00	..
Arunachal Pradesh . . . . .	36.19	12.83	..
Mizoram . . . . .	7.34	13.72	..
<b>SUB-TOTAL</b> . . . . .	<b>60.65</b>	<b>1.73</b>	<b>..</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>58.80</b>	<b>0.90</b>	<b>2.78</b>



TABLE NO. 60—Contd.

State/U.Ts.	Percentage to total sales		
	Agriculture	Public water works	Miscellaneous
Haryana . . . . .	38.65	0.74	2.03
Himachal Pradesh . . . . .	2.17	..	13.87
Jammu & Kashmir . . . . .	5.65	10.24	24.80
Punjab . . . . .	36.60	0.16	3.25
Rajasthan . . . . .	32.93	5.05	3.30
Uttar Pradesh . . . . .	33.36	1.70	0.68
Chandigarh . . . . .	0.74	1.58	3.29
Delhi . . . . .	0.01	..	1.63
<b>SUB-TOTAL</b> . . . . .	<b>29.80</b>	<b>1.68</b>	<b>2.62</b>
Gujarat . . . . .	16.24	2.40	0.49
Madhya Pradesh . . . . .	7.85	3.53	..
Maharashtra . . . . .	12.58	2.33	1.39
Goa, Daman & Diu . . . . .	1.17	16.43	10.49
D. & N. Haveli . . . . .	5.06	..	..
<b>SUB-TOTAL</b> . . . . .	<b>12.71</b>	<b>2.66</b>	<b>0.95</b>
Bihar . . . . .	10.96	1.38	0.37
Orissa . . . . .	2.25	1.33	2.95
West Bengal . . . . .	1.08	2.83	1.71
A & N Islands . . . . .	..	0.73	1.15
Sikkim . . . . .	..	2.50	1.50
<b>SUB-TOTAL</b> . . . . .	<b>4.62</b>	<b>2.03</b>	<b>1.52</b>
Andhra Pradesh . . . . .	16.55	1.54	1.16
Karnataka . . . . .	7.10	Neg	0.30
Kerala . . . . .	3.51	1.40	0.63
Tamil Nadu . . . . .	27.18	1.02	0.85
Pondicherry . . . . .	24.28	3.31	..
Lakshadweep . . . . .	..	..	..
<b>SUB-TOTAL</b> . . . . .	<b>16.63</b>	<b>0.96</b>	<b>0.76</b>
Assam . . . . .	1.33	2.66	9.11
Manipur . . . . .	8.57	0.45	..
Meghalaya . . . . .	0.03	0.79	15.80
Nagaland . . . . .	..	0.73	40.74
Tripura . . . . .	7.96	5.95	0.21
Arunachal Pradesh . . . . .	..	0.73	3.27
Mizoram . . . . .	..	3.83	3.83
<b>SUB-TOTAL</b> . . . . .	<b>1.56</b>	<b>2.57</b>	<b>9.76</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>16.84</b>	<b>1.85</b>	<b>1.50</b>

TABLE NO. 61  
Annual per Capita Consumption of Electricity  
(UTILITIES, NON-UTILITIES)  
Categorywise-Regionwise/Statewise during 1981-82

(KWH)

Region	State/U.Ts.	Utilities		
		Population* (Million)	Domestic	Commercial
Northern Region	Haryana	13.10	21.28	6.39
	Himachal Pradesh	4.33	11.32	8.08
	Jammu & Kashmir	6.04	17.74	7.36
	Punjab	17.02	32.53	7.31
	Rajasthan	34.91	7.43	4.65
	Uttar Pradesh	112.59	8.20	0.58
	Chandigarh	0.47	119.68	69.06
	Delhi	6.38	130.55	127.04
	<b>SUB-TOTAL</b>	<b>194.84</b>	<b>15.88</b>	<b>6.97</b>
Western Region	Gujarat	34.55	21.66	9.24
	Madhya Pradesh	52.77	7.22	4.40
	Maharashtra	63.49	30.54	17.13
	Goa, Daman & Diu	1.09	32.19	11.37
	D & N. Haveli	0.11	10.18	2.55
		<b>SUB-TOTAL</b>	<b>152.01</b>	<b>20.42</b>
Eastern Region	Bihar	70.88	2.11	1.36
	Orissa	26.58	5.13	2.87
	West Bengal	55.23	14.95	9.91
	A & N Islands.	0.19	17.68	19.89
	Sikkim	0.33	25.12	7.57
		<b>SUB-TOTAL</b>	<b>153.21</b>	<b>7.33</b>
Southern Region	Andhra Pradesh	54.22	11.87	8.63
	Karnataka	37.69	21.00	3.82
	Kerala	25.67	22.34	10.16
	Tamil Nadu	48.76	19.13	10.58
	Pondicherry	0.61	33.18	12.74
	Lakshadweep	0.04	22.25	11.75
		<b>SUB-TOTAL</b>	<b>166.99</b>	<b>17.75</b>
North Eastern Region	Assam	20.28	4.54	2.02
	Manipur	1.44	6.74	0.53
	Meghalaya	1.36	10.87	7.10
	Nagaland	0.80	8.26	5.59
	Tripura	2.10	10.29	2.17
	Arunachal Pradesh	0.64	7.91	1.08
	Mizoram	0.51	7.49	1.27
		<b>SUB-TOTAL</b>	<b>27.13</b>	<b>5.66</b>
	<b>TOTAL (ALL INDIA)</b>	<b>694.18</b>	<b>15.04</b>	<b>7.48</b>

\* — Figures & population as on 1st Oct. 1981 (mid-Financial year) are based on mid-year estimates (1971 Census).

@ — Total may not tally due to rounding off.

TABLE No. 61—Contd.

(In KWH)

State/U.Ts.	Utilities		
	Industrial Public water works, Trac- tion & Miscellaneous	Public Lighting	Agriculture
Haryana . . . . .	112.14	0.65	88.50
Himachal Pradesh . . . . .	39.71	0.45	1.50
Jammu & Kashmir . . . . .	57.74	1.33	5.04
Punjab . . . . .	148.59	0.88	109.29
Rajasthan . . . . .	47.55	0.52	29.54
Uttar Pradesh . . . . .	41.17	0.32	25.16
Chandigarh . . . . .	182.82	8.53	2.85
Delhi . . . . .	124.34	10.76	0.03
<b>SUB-TOTAL</b> . . . . .	<b>60.01</b>	<b>0.83</b>	<b>35.53</b>
Gujarat . . . . .	163.43	2.15	38.10
Madhya Pradesh . . . . .	75.13	0.81	7.46
Maharashtra . . . . .	155.35	2.59	29.59
Goa, Daman & Diu . . . . .	134.14	2.54	2.14
D & N. Haveli . . . . .	52.72	1.09	3.55
<b>SUB-TOTAL</b> . . . . .	<b>129.11</b>	<b>1.87</b>	<b>23.63</b>
Bihar . . . . .	53.04	0.08	6.97
Orissa . . . . .	96.31	0.38	2.41
West Bengal . . . . .	84.00	0.89	1.20
A & N. Islands . . . . .	10.90	2.00	..
Sikkim . . . . .	17.58	10.30	..
<b>SUB-TOTAL</b> . . . . .	<b>17.59</b>	<b>0.45</b>	<b>4.07</b>
Andhra Pradesh . . . . .	71.91	1.02	18.53
Karnataka . . . . .	121.43	2.05	11.33
Kerala . . . . .	77.67	2.34	4.09
Tamil Nadu . . . . .	104.53	1.81	50.77
Pondicherry . . . . .	135.59	4.03	59.51
Lakshadweep . . . . .	1.00	1.00	..
<b>SUB-TOTAL</b> . . . . .	<b>93.69</b>	<b>1.70</b>	<b>24.25</b>
Assam . . . . .	29.56	0.49	0.49
Manipur . . . . .	30.84	0.34	0.79
Meghalaya . . . . .	27.69	0.17	0.01
Nagaland . . . . .	13.47	1.83	..
Tripura . . . . .	3.64	0.54	1.44
Arunachal Pradesh . . . . .	7.69	2.45	..
Mizoram . . . . .	1.84	1.69	..
<b>SUB-TOTAL</b> . . . . .	<b>24.42</b>	<b>0.58</b>	<b>0.52</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>84.41</b>	<b>1.17</b>	<b>21.90</b>

TABLE NO. 61—Contd.

State/UTs	(In KWH)		
	Total Utilities	KWH from self generation of non-utilities	Total (Utilities + non-utilities)
Haryana . . . . .	228.96	8.78	237.74
Himachal Pradesh . . . . .	69.06	0.02	69.08
Jammu & Kashmir . . . . .	89.21	0.01	89.22
Punjab . . . . .	298.60	1.91	300.51
Rajasthan . . . . .	89.69	11.59	101.28
Uttar Pradesh . . . . .	75.43	13.38	88.81
Chandigarh . . . . .	382.94	1.41	384.35
Delhi . . . . .	392.72	23.79	416.51
<b>SUB-TOTAL</b> . . . . .	<b>119.22</b>	<b>11.35</b>	<b>130.57</b>
Gujarat . . . . .	234.61	14.71	249.32
Madhya Pradesh . . . . .	95.02	11.90	106.92
Maharashtra . . . . .	235.20	11.98	247.18
Goa, Daman, & Diu . . . . .	182.38	41.58	223.96
D. & N. Haveli . . . . .	80.09	..	70.09
<b>SUB-TOTAL</b> . . . . .	<b>185.90</b>	<b>12.77</b>	<b>198.67</b>
Bihar . . . . .	63.56	21.05	84.61
Orissa . . . . .	107.10	18.68	125.78
West Bengal . . . . .	110.95	11.55	122.50
A & N Islands . . . . .	50.47	..	50.47
Sikkim . . . . .	60.57	..	60.57
<b>SUB-TOTAL</b> . . . . .	<b>88.18</b>	<b>17.14</b>	<b>105.32</b>
Andhra Pradesh . . . . .	111.96	6.10	118.06
Karnataka . . . . .	159.63	6.29	165.92
Kerala . . . . .	116.60	2.98	119.58
Tamil Nadu . . . . .	186.82	6.88	193.70
Pondicherry . . . . .	245.05	8.38	253.43
Lakshadweep . . . . .	36.00	..	36.00
<b>SUB-TOTAL</b> . . . . .	<b>145.76</b>	<b>5.90</b>	<b>151.66</b>
Assam . . . . .	37.10	2.80	39.90
Manipur . . . . .	9.24	..	9.24
Meghalaya . . . . .	45.84	..	45.84
Nagaland . . . . .	29.15	2.83	31.98
Tripura . . . . .	18.08	..	18.08
Arunachal Pradesh . . . . .	19.13	..	19.13
Mizoram . . . . .	12.29	..	12.29
<b>SUB-TOTAL</b> . . . . .	<b>33.46</b>	<b>2.18</b>	<b>35.64</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>130.00</b>	<b>11.27</b>	<b>141.27</b>

**TABLE NO. 62**  
**Energy Consumption per Square Kilometer and per Thousand Population**  
**(UTILITIES ONLY)**  
**Regionwise/Statewise during 1981-82**

Region	State/UTs	Population (Million)	Area in 1000 sq. Kilometer	Total Energy Consumption (KWH)
<i>Northern Region</i>	Haryana . . . . .	13.10	44.22	2,999.41
	Himachal Pradesh . . . . .	4.33	55.67	299.05
	Jammu & Kashmir . . . . .	6.04	222.24	538.83
	Punjab . . . . .	17.02	50.36	5,082.25
	Rajasthan . . . . .	34.91	342.21	3,131.23
	Uttar Pradesh . . . . .	112.59	294.41	8,492.32
	Chandigarh . . . . .	0.47	0.11	179.98
	Delhi . . . . .	6.38	1.48	2,505.55
	<b>SUB-TOTAL</b>	<b>194.84</b>	<b>1,010.70</b>	<b>23,228.62</b>
<i>Western Region</i>	Gujarat . . . . .	34.55	195.98	8,105.71
	Madhya Pradesh . . . . .	52.77	442.84	5,014.14
	Maharashtra . . . . .	63.49	307.76	14,932.59
	Goa, Daman & Diu . . . . .	1.09	3.81	198.79
	D & N Haveli . . . . .	0.11	0.49	7.71
	<b>SUB-TOTAL</b>	<b>152.01</b>	<b>950.88</b>	<b>28,258.94</b>
<i>Eastern Region</i>	Bihar . . . . .	70.88	173.88	4,505.34£
	Orissa . . . . .	26.58	155.78	2,846.78
	West Bengal . . . . .	55.23	87.86	6,127.78£
	A & N Islands . . . . .	0.19	8.29	9.59
	Sikkim . . . . .	0.33	7.30	19.99
	<b>SUB-TOTAL</b>	<b>153.21</b>	<b>433.11</b>	<b>13,509.40</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	54.22	276.81	6,070.62
	Karnataka . . . . .	37.69	191.77	6,016.58
	Kerala . . . . .	25.67	38.86	2,993.00
	Tamil Nadu . . . . .	48.76	130.07	9,109.52
	Pondicherry . . . . .	0.61	0.48	149.48
	Lakshadweep . . . . .	0.04	0.03	1.44
	<b>SUB-TOTAL</b>	<b>166.99</b>	<b>638.02</b>	<b>24,340.64</b>
<i>North Eastern Region</i>	Assam . . . . .	20.28	78.52	752.30
	Manipur . . . . .	1.44	22.36	13.30
	Meghalaya . . . . .	1.36	22.49	62.34
	Nagaland . . . . .	0.80	16.53	23.32
	Tripura . . . . .	2.10	10.48	37.96
	Arunachal Pradesh . . . . .	0.64	83.58	12.24
	Mizoram . . . . .	0.51	21.09	6.27
	<b>SUB-TOTAL</b>	<b>27.13</b>	<b>255.05</b>	<b>907.73</b>
	<b>TOTAL (ALL INDIA)</b>	<b>694.18(E)</b>	<b>3,287.78@</b>	<b>90,245.23</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 and 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 Kilometer (Kwh)
Haryana . . . . .	2,28,962	67,813
Himachal Pradesh . . . . .	69,065	5,372
Jammu & Kashmir . . . . .	69,210	2,425
Punjab . . . . .	2,98,604	1,00,918
Rajasthan . . . . .	89,694	9,150
Uttar Pradesh . . . . .	75,427	28,845
Chandigarh . . . . .	3,82,936	16,36,182
Delhi . . . . .	3,92,719	16,92,939
<b>SUB-TOTAL</b> . . . . .	<b>1,19,219</b>	<b>22,983</b>
Gujarat . . . . .	2,34,608	41,360
Madhya Pradesh . . . . .	95,019	11,323
Maharashtra . . . . .	2,35,196	48,520
Goa, Daman & Diu . . . . .	1,82,376	52,176
D & N Haveli . . . . .	70,091	15,735
<b>SUB-TOTAL</b> . . . . .	<b>18,5,902</b>	<b>29,719</b>
Bihar . . . . .	63,563	25,911
Orissa . . . . .	1,07,099	18,274
West Bengal . . . . .	1,10,950	69,745
A & N Islands . . . . .	50,474	1,157
Sikkim . . . . .	60,578	2,738
<b>SUB-TOTAL</b> . . . . .	<b>88,176</b>	<b>31,192</b>
Andhra Pradesh . . . . .	1,11,963	21,931
Karnataka . . . . .	1,59,633	31,374
Kerala . . . . .	1,16,595	77,020
Tamil Nadu . . . . .	1,86,824	70,036
Pondicherry . . . . .	2,45,049	3,11,417
Lakshadweep . . . . .	36,000	48,000
<b>SUB-TOTAL</b> . . . . .	<b>1,45,761</b>	<b>38,150</b>
Assam . . . . .	37,096	9,581
Manipur . . . . .	9,236	595
Meghalaya . . . . .	45,838	2,772
Nagaland . . . . .	29,150	1,406
Tripura . . . . .	18,076	3,622
Arunachal Pradesh . . . . .	19,123	146
Mizoram . . . . .	12,294	297
<b>SUB-TOTAL</b> . . . . .	<b>33,459</b>	<b>3,559</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,30,002</b>	<b>27,449</b>

TABLE No. 63  
Electrical Accidents during 1981-82

State/U.Ts./Central Undertakings	Total		Power Houses & Sub-Stations			
	Fatal	Non-Fatal	Electric Supply Under-taking		Industrial Undertaking	
			Fatal	Non-Fatal	Fatal	Non Fatal
Andhra Pradesh . . . . .	137+23*	105	1	7	..	..
Assam . . . . .	35+28*	35	3+2*	3	..	..
Bihar . . . . .	6	21	..	1	..	..
Gujarat . . . . .	173+188*	200	20+27*	17	3	5
Haryana(B) . . . . .	79+325*	131	9	17	..	..
Himachal Pradesh . . . . .	8+4*	48	..	..	..	..
Jammu & Kashmir . . . . .	14	13	..	..	..	..
Karnataka . . . . .			Data not available			
Kerala . . . . .	150+36*	125+1*	..	3	..	1
Madhya Pradesh . . . . .	206+71*	230	2	5	1	..
Maharashtra . . . . .	368+117*	386	19+16*	66	30	18
Manipur . . . . .	3+6*	4	1	1	..	..
Meghalaya . . . . .	5+7*	3+1*	..	..	..	..
Nagaland . . . . .	2	4	Details not available			
Orissa . . . . .			Data not available			
Punjab . . . . .	87+202*	86	2	9	..	..
Rajasthan . . . . .	64+16*	110	4	10	..	..
Sikkim . . . . .	..	1	..	..	..	..
Tamil Nadu . . . . .	170+44*	115	..	..	3	..
Tripura . . . . .	1+6*	3	..	..	..	..
Uttar Pradesh . . . . .			Data not available			
West Bengal . . . . .	99+41*	122	3	6	1	1
Mines . . . . .	5	14	..	..	..	1
Central Govt. Installations . . . . .	6	1	Details not available			
Railway . . . . .	39	83	..	..	..	7
<i>Union Territories</i>						
A & N Islands . . . . .	1+5*	1	..	..	..	..
Arunachal Pradesh . . . . .	1	..	..	..	..	..
Chandigarh . . . . .	3+9*	..	..	..	..	..
D & N Haveli . . . . .			NIL			
Delhi . . . . .	32+5*	65	..	16	..	..
Goa, Daman & Diu . . . . .	11+19*	15	Details not available			
Lakshadweep . . . . .	..	2	..	..	..	..
Mizoram . . . . .	1	..	Details not available			
Pondicherry . . . . .	9	..	Details not available			
<b>TOTAL (All INDIA) (C)</b> . . . . .	<b>1,715+1,152*</b>	<b>1,923+2*</b>	<b>64+45*</b>	<b>161</b>	<b>38</b>	<b>33</b>

\* Accidents involving Animals.

(B) Details of 325 fatal accidents of animals is not available.

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

TABLE No. 63—Contd.

State/UTs/Central Undertakings	Transmission Lines			
	Electric Supply	Undertaking	Industrial Undertaking	
	Fatal	Non-Fatal	Fatal	Non-Fatal
1. Andhra Pradesh . . . . .	15	38	..	..
2. Assam . . . . .	11+2*	8	..	..
3. Bihar . . . . .	1	7	..	..
4. Gujarat . . . . .	48+20*	33	3	1
5. Haryana . . . . .	5	..	..	..
6. Himachal Pradesh . . . . .	..	..	..	..
7. Jammu & Kashmir . . . . .	..	..	..	..
8. Karnataka . . . . .	Data not available			
9. Kerala . . . . .	9+1*	2	..	..
10. Madhya Pradesh . . . . .	72+11*	66	1	1
11. Maharashtra . . . . .	54+28*	57	5	11
12. Manipur . . . . .	1+3*	2	..	..
13. Meghalaya . . . . .	4+6*	1+1*	..	..
14. Nagaland . . . . .	Details not available			
15. Orissa . . . . .	Data not available			
16. Punjab . . . . .	7	4	..	..
17. Rajasthan . . . . .	2	4	..	..
18. Sikkim . . . . .	..	..	..	..
19. Tamil Nadu . . . . .	4	1	..	1
20. Tripura . . . . .	1+1*	1	..	..
21. Uttar Pradesh . . . . .	Data not available			
22. West Bengal . . . . .	24+13*	22	..	..
23. Mines . . . . .	..	..	..	..
24. Central Govt. Installations . . . . .	Details not available			
25. Railways . . . . .	..	..	1	7
<i>Union Territories</i>				
1. A & N Islands . . . . .	..	..	..	..
2. Arunachal Pradesh . . . . .	..	..	..	..
3. Chandigarh . . . . .	1	..	..	..
4. D & N Haveli . . . . .	..	..	Nil	..
5. Delhi . . . . .	1	4	..	..
6. Goa, Daman & Diu . . . . .	Details not available			
7. Lakshadweep . . . . .	..	..	..	..
8. Mizoram . . . . .	Details not available			
9. Pondicherry . . . . .	Details not available			
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>260+85*</b>	<b>250+1*</b>	<b>10</b>	<b>21</b>

\* Accidents involving animals.

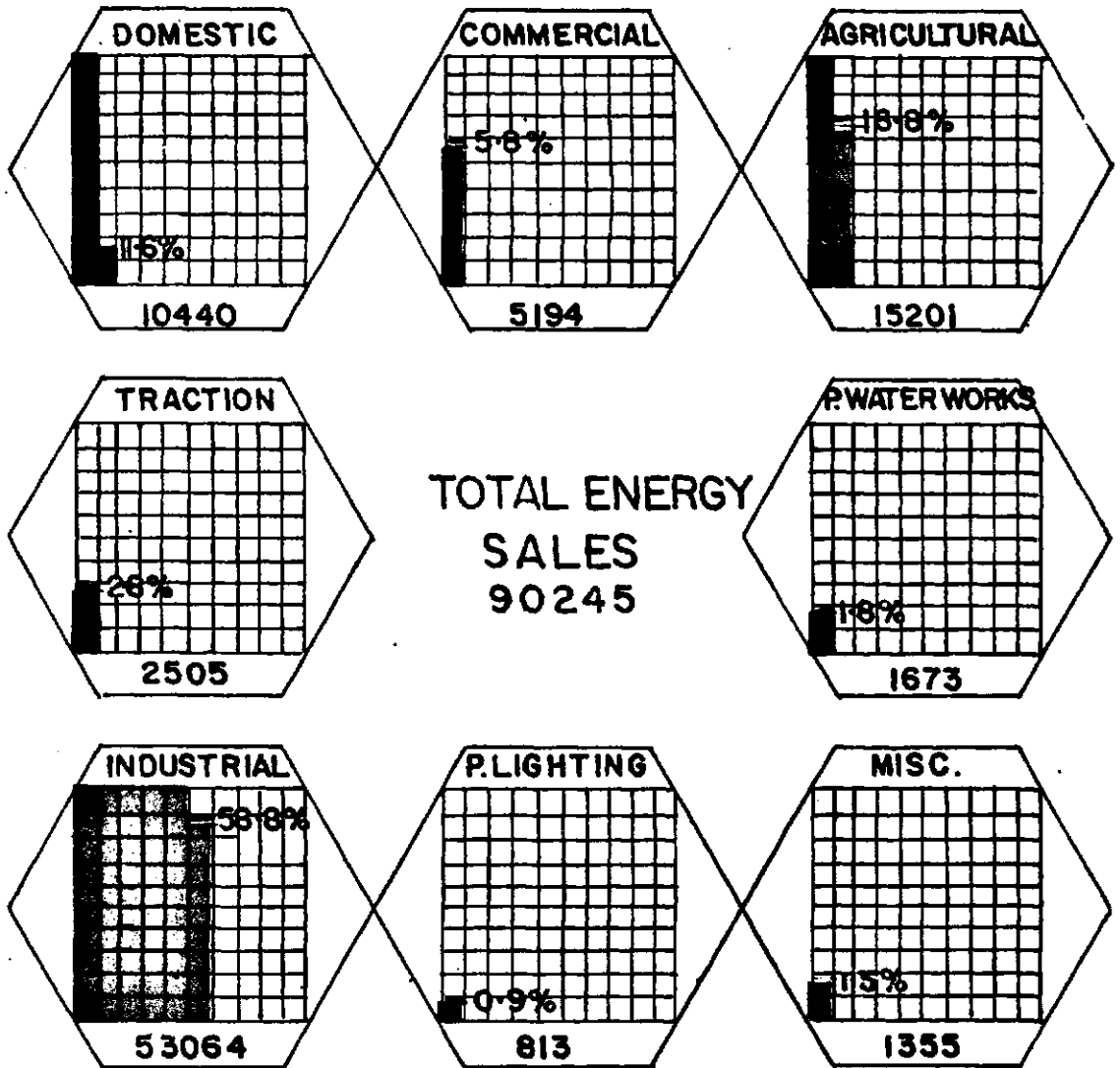


TABLE NO. 63—Contd.

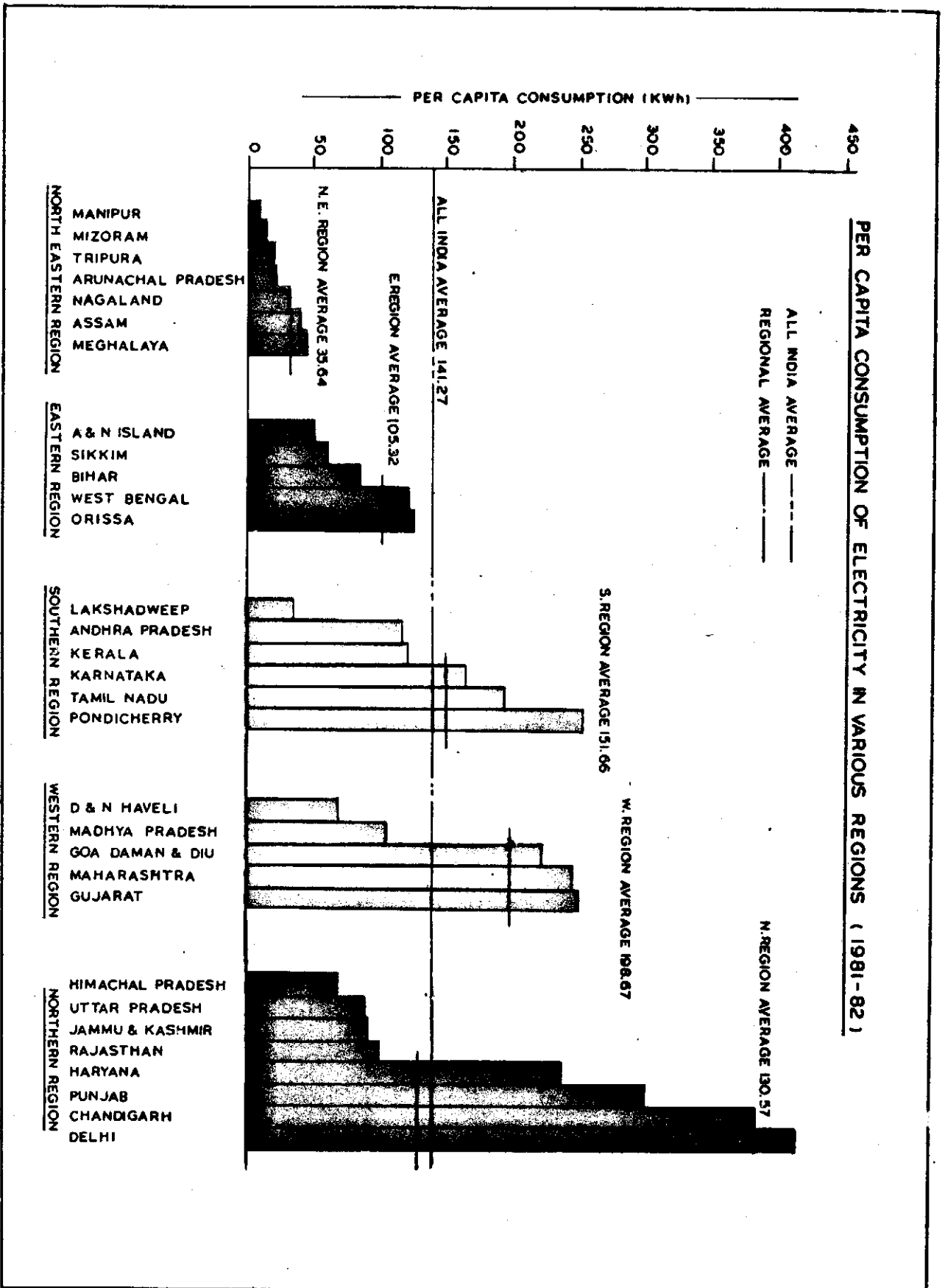
State/UTs/Central Undertakings	Distribution Lines			
	Electric Supply Undertaking		Industrial Undertaking	
	Fatal	Non-Fatal	Fatal	Non-Fatal
Andhra Pradesh . . . . .	117+23*	60	4	..
Assam . . . . .	21+24*	24	..	..
Bihar . . . . .	4	9	1	4
Gujarat . . . . .	75+141*	137	24	7
Haryana . . . . .	61	114	4	..
Himachal Pradesh . . . . .	8+4*	48	..	..
Jammu & Kashmir . . . . .	14	13	..	..
Karnataka . . . . .		Data not available		
Kerala . . . . .	125+33*	107+1*	16+2*	12
Madhya Pradesh . . . . .	122+60*	109	8	49
Maharashtra . . . . .	177+73*	208	83	26
Manipur . . . . .	1+3*	1	..	..
Meghalaya . . . . .	1+1*	2	..	..
Nagaland . . . . .		Details not available		
Orissa . . . . .		Data not available		
Punjab . . . . .	77+202*	72	1	1
Rajasthan . . . . .	57+16*	95	1	1
Sikkim . . . . .	..	1	..	..
Tamil Nadu . . . . .	162+44*	112	1	1
Tripura . . . . .	5*	2	..	..
Uttar Pradesh . . . . .		Data not available		
West Bengal . . . . .	46+28*	48	25	45
Mines . . . . .	..	..	5	13
Central Govt. Installations . . . . .		Details not available		
Railways . . . . .	24	54	14	15
<i>Union Territories</i>				
A & N Islands . . . . .	1+5*	1	..	..
Arunachal Pradesh . . . . .	1	..	..	..
Chandigarh . . . . .	2+9*	..	..	..
D & N Haveli . . . . .		Nil		
Delhi . . . . .	11+5*	45	20	..
Goa, Daman & Diu . . . . .		Details not available		
Lakshadweep . . . . .	..	2	..	..
Mizoram . . . . .		Details not available		
Pondicherry . . . . .		Details not available		
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>1,107+676*</b>	<b>1,264+1*</b>	<b>207+2*</b>	<b>174</b>

\*Accidents involving animals.

ENERGY SALES DURING 1981-82 (UTILITIES)



**PER CAPITA CONSUMPTION OF ELECTRICITY IN VARIOUS REGIONS ( 1981-82 )**



SECTION IX  
**Consumers & Connected Load**

## CONSUMERS AND CONNECTED LOAD

During the year under review 2.813 Million additional electricity connections were given to different categories of consumers bringing the total number of consumers to 35.38 Million as on 31st March, 1982 recording an increase of 8.64% over the previous year. The corresponding connected load of all types of consumer rose to 65510.66 MW as compared to 61398.26 MW as on 31-3-81 registering an increase of 6.70% 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 26429 MW followed by agricultural and domestic sectors having connected load of 17574 MW and 14400 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 31-3-1982

Region	State/UTs.	Total		Domestic	
		Connected load (KW)	Consumers	Connected load (KW)	Consumers
<i>Northern Region</i>	Haryana . . . . .	25,61,310	13,46,223	3,42,216	9,00,127
	Himachal Pradesh . . . . .	4,68,135	4,89,118	2,17,847	4,26,933
	Jammu & Kashmir (R) . . . . .	2,31,790	3,51,197	72,329	2,92,733
	Punjab . . . . .	38,46,647	23,43,001	9,23,484	16,88,892
	Rajasthan . . . . .	31,35,577	14,96,199	5,29,837	9,38,284
	Uttar Pradesh . . . . .	56,43,542	22,50,062	9,09,382	17,43,844
	Chandigarh . . . . .	2,38,468	83,539	1,25,462	71,468
	Delhi . . . . .	13,83,551	11,54,424	5,69,626	9,13,359
	<b>SUB—TOTAL</b> . . . . .	<b>1,75,09,020</b>	<b>95,13,763</b>	<b>36,90,183</b>	<b>69,75,640</b>
<i>Western Region</i>	Gujarat . . . . .	57,13,900	35,58,762	13,69,037	27,22,404
	Madhya Pradesh . . . . .	36,66,000	19,70,778	6,21,458	11,62,983
	Maharashtra . . . . .	1,10,21,636	54,47,395	26,42,762	37,97,514
	Goa, Daman & Diu (RR) . . . . .	11,06,000	1,58,747	2,04,454	1,32,901
	D & N Haveli (R) . . . . .	3,465	3,853	1,205	3,410
		<b>SUB—TOTAL</b> . . . . .	<b>2,15,11,001</b>	<b>1,11,39,535</b>	<b>48,38,916</b>
<i>Eastern Region</i>	Bihar . . . . .	18,88,835	9,40,526	2,43,458	4,95,496
	Orissa . . . . .	13,35,738	5,78,252	2,94,099	4,31,243
	West Bengal . . . . .	32,38,178	13,60,242	9,04,291	9,25,986
	D. V. C. (RR) . . . . .	5,20,030	40	..	..
	A. & N. Islands . . . . .	9,264	16,364	6,066	12,132
	Sikkim (R) . . . . .	8,917	4,190	7,800	4,100
		<b>SUB—TOTAL</b> . . . . .	<b>70,00,962</b>	<b>28,99,614</b>	<b>14,55,714</b>
<i>Southern Region</i>	Andhra Pradesh . . . . .	49,69,803	26,55,098	8,42,313	17,26,695
	Karnataka . . . . .	37,95,435	25,35,010	10,39,422	18,50,519
	Kerala . . . . .	22,81,286	18,54,679	8,57,244	13,80,214
	Tamil Nadu . . . . .	75,74,732	43,61,759	14,25,079	24,89,575
	Pondicherry . . . . .	1,32,063	63,335	27,595	42,917
	Lakshadweep . . . . .	3,645	5,425	2,638	4,772
		<b>SUB—TOTAL</b> . . . . .	<b>1,87,56,964</b>	<b>1,14,75,306</b>	<b>41,94,291</b>
<i>North Eastern Region</i>	Assam . . . . .	5,81,245	1,98,221	1,52,622	1,37,113
	Meghalaya . . . . .	46,469	37,075	18,381	31,803
	Manipur (R) . . . . .	7,972	18,575	4,202	18,000
	Nagaland (RR) . . . . .	37,579	39,945	24,023	31,934
	Tripura (E) . . . . .	47,370	34,657	12,500	25,042
	Arunachal Pradesh (RR) . . . . .	5,470	18,977	3,600	17,398
	Mizoram . . . . .	6,608	8,806	5,554	8,274
		<b>SUB—TOTAL</b> . . . . .	<b>7,32,713</b>	<b>3,56,256</b>	<b>2,20,882</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>6,56,10,660</b>	<b>3,53,84,474</b>	<b>1,43,99,986</b>	<b>2,44,28,065</b>

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

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

TABLE NO. 64—(Contd.)

State/UTs.	Commercial		Industrial (LV & MV)	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Haryana . . . . .	91,406	1,56,425	5,24,433	45,877
Himachal Pradesh . . . . .	60,529	52,978	1,03,911	6,884
Jammu & Kashmir . . . . .	21,867	46,525	85,163	8,080
Punjab . . . . .	2,63,510	2,81,173	7,57,089	65,953
Rajasthan . . . . .	1,97,205	2,60,769	5,49,817	53,638
Uttar Pradesh . . . . .	73,737	15,099	11,00,543	1,14,326
Chandigarh . . . . .	53,951	9,981	21,280	1,299
Delhi . . . . .	3,68,620	1,94,084	2,93,543	45,429
<b>SUB—TOTAL</b> . . . . .	<b>11,30,825</b>	<b>10,17,034</b>	<b>34,35,779</b>	<b>3,41,486</b>
Gujarat . . . . .	3,22,178	4,29,960	11,38,873	1,35,375
Madhya Pradesh . . . . .	3,14,862	3,52,449	5,48,646	58,268
Maharashtra . . . . .	8,27,643	7,28,285	16,03,730	1,62,984
Goa, Daman & Diu . . . . .	19,520	19,541	1,66,743	3,263
D & N. Haveli (R) . . . . .	40	78	980	76
<b>SUB—TOTAL</b> . . . . .	<b>14,84,243</b>	<b>15,30,313</b>	<b>34,58,972</b>	<b>3,59,966</b>
Bihar . . . . .	1,40,492	2,00,905	4,84,575	6,31,164
Orissa . . . . .	94,686	1,10,071	2,43,752	15,782
West Bengal . . . . .	4,99,149	3,26,183	4,81,129	77,666
D. V. C. (R) . . . . .	30	3	..	..
A & N. Islands . . . . .	2,374	3,957	775	155
Sikkim . . . . .	(A)	(A)	1,050	50
<b>SUB—TOTAL</b> . . . . .	<b>7,36,731</b>	<b>6,41,119</b>	<b>12,11,281</b>	<b>1,56,817</b>
Andhra Pradesh . . . . .	3,97,308	3,25,814	6,71,730	59,259
Karnataka . . . . .	86,023	2,25,194	6,15,046	1,07,457
Kerala . . . . .	2,10,121	3,26,382	4,74,190	40,932
Tamil Nadu . . . . .	5,10,791	6,47,447	9,36,018	1,64,707
Pondicherry . . . . .	6,441	10,943	28,635	1,909
Lakshadweep . . . . .	602	596	326	37
<b>SUB—TOTAL</b> . . . . .	<b>12,11,286</b>	<b>15,36,376</b>	<b>27,25,945</b>	<b>3,74,301</b>
Assam . . . . .	75,679	49,866	2,05,559(D)	4,846(D)
Manipur . . . . .	341	35	3,122	475
Meghalaya . . . . .	6,498	4,829	13,694	258
Nagaland . . . . .	4,895	6,807	3,552	560
Tripura . . . . .	7,630	7,626	14,400	1,376
Arunachal Pradesh . . . . .	341	962	660	41
Mizoram . . . . .	210	519	400	4
<b>SUB—TOTAL</b> . . . . .	<b>95,594</b>	<b>70,644</b>	<b>2,41,387</b>	<b>7,560</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>46,58,679</b>	<b>47,95,486</b>	<b>1,10,73,364</b>	<b>12,40,130</b>

(D) Includes Tea Gardens.

(A) Included in domestic category.

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

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

TABLE NO. 64—(Contd.)

State/UTs.	Industrial H. V.		Public Lighting	
	Connected load (KW)	Consumers	Connected Load (KW)	Consumers
Haryana . . . . .	4,55,607	760	5,063	5,673
Himachal Pradesh . . . . .	(C)	(C)	1,145	201
Jammu & Kashmir . . . . .	(C)	(C)	386	47
Punjab . . . . .	7,76,563	1,137	5,851	610
Rajasthan . . . . .	6,20,870	388	8830	3,644
Uttar Pradesh . . . . .	13,14,210	2,440	14,282	4,773
Chandigarh . . . . .	24,767	69	1,620	180
Delhi . . . . .	94,377	225	19,710	1,288
<b>SUB—TOTAL</b> . . . . .	<b>32,86,394</b>	<b>5,019</b>	<b>56,887</b>	<b>16,416</b>
Gujarat . . . . .	10,24,621	1,616	32,197	10,687
Madhya Pradesh . . . . .	10,61,600	758	32,464	10,898
Maharashtra . . . . .	31,21,621	3,817	48,843	22,932
Goa, Daman & Diu . . . . .	6,94,348	168	9,298	400(E)
D. & N. Haveli . . . . .	600	10	250	58
<b>SUB—TOTAL</b> . . . . .	<b>59,02,790</b>	<b>6,369</b>	<b>1,23,052</b>	<b>44,975</b>
Bihar . . . . .	4,64,556	1,084	7,057	5,858
Orissa . . . . .	5,42,815	312	12,808	3,415
West Bengal . . . . .	10,12,702	2,010	19,655	467
D. V. C. . . . .	4,25,000	26	..	..
A. & N. Islands . . . . .	..	..	2	62
Sikkim . . . . .	..	..	67	40
<b>SUB—TOTAL</b> . . . . .	<b>24,45,073</b>	<b>3,432</b>	<b>39,589</b>	<b>9,842</b>
Andhra Pradesh . . . . .	10,73,949	1,465	36,141	24,120
Karnataka . . . . .	8,40,583	1,367	26,307	9,200(E)
Kerala . . . . .	4,20,687	609	15,590	1,410
Tamil Nadu . . . . .	12,97,849	1,436	45,973	42,105
Pondicherry . . . . .	19,840	31	1,120	28
Lakshadweep . . . . .	..	..	79	20
<b>SUB—TOTAL</b> . . . . .	<b>36,52,908</b>	<b>4,908</b>	<b>1,25,219</b>	<b>76,883</b>
Assam . . . . .	68,135	25	2,954	4,109
Manipur . . . . .	..	..	87	60
Meghalaya . . . . .	..	..	104	92
Nagaland . . . . .	..	..	475	599
Tripura . . . . .	(C)	(C)	565	122
Arunachal Pradesh . . . . .	..	..	327	106(R)
Mizoram . . . . .	..	..	140	(A)
<b>SUB—TOTAL</b> . . . . .	<b>68,135</b>	<b>25</b>	<b>4,652</b>	<b>5,088</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,53,55,300</b>	<b>19,753</b>	<b>3,49,399</b>	<b>1,53,204</b>

(C) Included in Industrial Low and Medium voltage



TABLE NO. 64—(Contd.)

State/ Uts.	Traction		Agricultural	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Haryana . . . . .	..	..	10,90,665	2,36,094
Himachal Pradesh . . . . .	..	..	28,760	2,076
Jammu & Kashmir . . . . .	..	..	18,864	1,067
Punjab . . . . .	..	..	11,10,839	3,05,073
Rajasthan . . . . .	..	..	11,03,237	2,31,001
Uttar Pradesh . . . . .	1,06,673	4	20,46,089	3,66,439
Chandigarh . . . . .	..	..	1,673	365
Delhi . . . . .	..	..	(C)	(C)
<b>SUB—TOTAL</b> . . . . .	<b>1,06,673</b>	<b>4</b>	<b>54,00,127</b>	<b>11,42,115</b>
Gujarat . . . . .	50,000	5	16,64,839	2,52,085
Madhya Pradesh . . . . .	97,500	12	9,30,010	3,77,139
Maharashtra . . . . .	38,103	13	23,89,542	7,21,169
Goa, Daman & Diu . . . . .	..	..	11,231	2,427
D. & N. Haveli . . . . .	..	..	350	(H)
<b>SUB—TOTAL</b> . . . . .	<b>1,85,603</b>	<b>30</b>	<b>49,95,972</b>	<b>13,52,820</b>
Bihar . . . . .	67,000	7	4,57,373	1,73,297
Orissa . . . . .	30,576	8	81,840	16,467
West Bengal . . . . .	99,087	13	1,47,687	25,879
D. V. C. . . . .	90,000	7	..	..
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>2,86,663</b>	<b>35</b>	<b>6,86,900</b>	<b>2,15,663</b>
Andhra Pradesh . . . . .	25,509	7	18,48,344	4,87,666
Karnataka . . . . .	..	..	11,17,495	3,38,439
Kerala . . . . .	..	..	2,90,465	1,04,610
Tamil Nadu . . . . .	34,828	5	31,39,120	9,04,966
Pondicherry . . . . .	..	..	44,952	7,492
Lakshadweep . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>60,337</b>	<b>12</b>	<b>64,40,376</b>	<b>18,43,173</b>
Assam . . . . .	..	..	45,922	1,912
Manipur . . . . .	..	..	..	..
Meghalaya . . . . .	..	..	20	47
Nagaland . . . . .	..	..	..	..
Tripura . . . . .	..	..	4,500	408
Arunachal Pradesh . . . . .	..	..	..	..
Mizoram . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>..</b>	<b>..</b>	<b>50,442</b>	<b>2,367</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>6,39,276</b>	<b>81</b>	<b>1,75,73,817</b>	<b>45,56,138</b>

(H)—Included in public water works and sewage pumping category.

TABLE No. 64—(Contd.)

State/Uts.	Public Waterworks		Miscellaneous	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Haryana . . . . .	18,863	1,135	33,057	132
Himachal Pradesh . . . . .	(C)	(C)	55,943	46
Jammu & Kashmir . . . . .	11,089	379	22,092	2,366
Punjab . . . . .	(F)	(F)	9,311(E)	163
Rajasthan . . . . .	68,520	5,726	57,261	2,749
Uttar Pradesh . . . . .	55,633	1,356	22,993	1,781
Chandigarh . . . . .	4,491	171	5,224	6
Delhi . . . . .	37,675	39	..	..
<b>SUB—TOTAL</b> . . . . .	<b>1,96,271</b>	<b>8,806</b>	<b>2,05,881</b>	<b>7,243</b>
Gujarat . . . . .	99,994	6,551	12,211	79
Madhya Pradesh . . . . .	59,369	8,251	91	20
Maharashtra . . . . .	1,21,472	5,880	2,27,920	4,801
Goa, Daman & Diu . . . . .	406	42	..	5
D & N. Haveli . . . . .	40	221	..	..
<b>SUB—TOTAL</b> . . . . .	<b>2,81,231</b>	<b>20,945</b>	<b>2,40,222</b>	<b>4,905</b>
Bihar . . . . .	24,324	715	..	..
Orissa . . . . .	21,344	694	13,818	260
West Bengal . . . . .	43,223	544	31,255	1,474
D. V. C. . . . .	..	..	5,000	4
A. & N. Islands . . . . .	20	4	27	54
Sikkim . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>88,911</b>	<b>1,957</b>	<b>50,100</b>	<b>1,792</b>
Andhra Pradesh . . . . .	24,054	1,322	50,455	28,750
Karnataka . . . . .	70,559	2,834	..	..
Kerala . . . . .	12,980	522	..	..
Tamil Nadu . . . . .	57,787	13,335	1,27,287	98,183
Pondicherry . . . . .	3,480	15	..	..
Lakshadweep . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>1,68,860</b>	<b>18,028</b>	<b>1,77,742</b>	<b>1,26,933</b>
Assam . . . . .	5,718	150	24,656	200
Manipur . . . . .	220	5	..	..
Meghalaya . . . . .	280	26	7,492	20
Nagaland . . . . .	149	11	4,485	34
Tripura . . . . .	1,075	69	6,700	14
Arunachal Pradesh . . . . .	42	3	500	467
Mizoram . . . . .	64	4	240	5
<b>SUB—TOTAL</b> . . . . .	<b>7,548</b>	<b>268</b>	<b>44,073</b>	<b>740</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>74,282</b>	<b>50,004</b>	<b>7,18,018</b>	<b>1,41,613</b>

N.A. = Not available.

(F) = Consumers &amp; Connected load of Punjab S. E. B. are included in agricultural category.

NOTE. —In certain cases figures for the year 1981-82 may not be consistent with the Previous years figures because of improper reporting or revision of last year data by Electricity Board/Licensees.

(E) = Estimated.

TABLE NO. 65

Average Electricity Consumption per Consumer Regionwise/Statewise-Categorywise During 1981-82

(in thousand KWH)

Region	State/UTs.	Total Average All Categories	Domestic	Commercial
Northern Region	Haryana	2.23	0.31	0.53
	Himachal Pradesh	0.61	0.19	0.66
	Jammu & Kashmir	1.53	0.36	0.96
	Punjab	2.17	0.33	0.44
	Rajasthan	2.09	0.28	0.62
	Uttar Pradesh	3.77	0.53	4.30
	Chandigarh	2.15	0.79	3.25
	Delhi	2.17	0.91	4.18
	SUB-TOTAL	2.44	0.44	1.33
Western Region	Gujarat	2.28	0.27	0.74
	Madhya Pradesh	2.54	0.33	0.66
	Maharashtra	2.74	0.51	1.49
	Goa, Daman & Diu	1.25	0.26	0.63
	Dadra & Nagar Haveli	2.00	0.33	3.59
	SUB-TOTAL	2.54	0.40	1.08
Eastern Region	Bihar (I)	4.79	0.30	0.48
	Orissa	4.92	0.32	0.69
	West Bengal (I)	4.50	0.89	1.68
	A. & N. Islands	0.59	0.28	0.95
	Sikkim	4.77	2.02	(A)
	SUB-TOTAL	4.66	0.60	1.13
Southern Region	Andhra Pradesh	2.29	0.52	1.44
	Karnataka	2.37	0.43	0.64
	Kerala	1.61	0.42	0.80
	Tamil Nadu	2.09	0.38	0.80
	Pondicherry	2.36	0.47	0.71
	Lakshadweep	0.26	0.19	0.79
	SUB-TOTAL	2.12	0.40	0.91
North Eastern Region	Assam	3.80	0.67	0.82
	Manipur	0.36	0.31	22.00
	Meghalaya	3.36	0.82	2.00
	Nagaland	0.58	0.21	0.66
	Tripura	1.09	0.86	0.60
	Arunachal Pradesh	0.64	0.29	0.72
	Mizoram	0.71	0.46	1.25
	SUB-TOTAL	2.55	0.57	0.87
	TOTAL (ALL INDIA)	2.55	0.43	1.08

(I) Including D. V. C.

(A) Included in domestic category.

TABLE NO. 65—Contd.

(In thousand KW)

State/UTs.	Industrial L. V. & M. V.	Industrial H. V.	Public Lighting
Haryana . . . . .	8.07	1,336.31	1.51
Himachal Pradesh . . . . .	18.95	(B)	9.80
Jammu & Kashmir . . . . .	19.79	(B)	170.85
Punjab . . . . .	9.22	1,537.42	24.49
Rajasthan . . . . .	26.08	(B)	5.00
Uttar Pradesh . . . . .	7.82	1,283.69	7.64
Chandigarh . . . . .	21.99	704.20	22.28
Delhi . . . . .	7.69	1,791.33	53.32
<b>SUB—TOTAL . . . . .</b>	<b>11.53</b>	<b>1,264.69</b>	<b>9.80</b>
Gujarat . . . . .	6.52	2,721.63	6.94
Madhya Pradesh . . . . .	6.08	4,341.34	3.91
Maharashtra . . . . .	8.04	1,902.28	7.16
Goa, Daman & Diu . . . . .	4.06	472.86	6.93
Dadra & Nagar Haveli . . . . .	13.82	475.00	2.07
<b>SUB—TOTAL . . . . .</b>	<b>7.12</b>	<b>2,360.52</b>	<b>6.31</b>
Bihar (I) . . . . .	3.79	2,824.06	0.96
Orissa . . . . .	6.58	7,185.16	2.93
West Bengal (I) . . . . .	5.10	1,765.69	105.18
A. & N. Islands . . . . .	12.2	..	6.13
Sikkim . . . . .	90.00	..	85.00
<b>SUB—TOTAL . . . . .</b>	<b>4.76</b>	<b>2,579.42</b>	<b>6.96</b>
Andhra Pradesh . . . . .	7.33	2,162.66	2.30
Karnataka . . . . .	4.72	2,963.59	8.41
Kerala . . . . .	6.30	2,750.36	42.54
Tamil Nadu . . . . .	3.99	2,927.03	2.09
Pondicherry . . . . .	5.52	2,168.39	87.86
Lakshadweep . . . . .	1.08	..	2.00
<b>SUB—TOTAL . . . . .</b>	<b>4.99</b>	<b>2,682.34</b>	<b>3.69</b>
Assam . . . . .	52.55	10,244.40	2.43
Manipur . . . . .	2.40	..	8.17
Meghalaya . . . . .	105.89	..	2.50
Nagaland . . . . .	1.98	..	2.44
Tripura . . . . .	3.58	(B)	9.34
Arunachal Pradesh . . . . .	22.68	..	14.81
Mizoram . . . . .	115.00	..	(A)
<b>SUB—TOTAL . . . . .</b>	<b>38.43</b>	<b>10,399.60</b>	<b>3.09</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>7.58</b>	<b>2,210.25</b>	<b>5.30</b>

NOTE : L. V. &amp; H. V. means low and medium voltage

H. V. means high voltage

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

TABLE NO. 65—Contd.

(In thousand KWH)

State/Uts.	Traction	Agricultural	Public Water works
Haryana . . . . .	..	4.91	19.53
Himachal Pradesh . . . . .	..	3.14	..
Jammu & Kashmir . . . . .	..	28.55	145.59
Punjab . . . . .	..	6.09	(E)
Rajasthan . . . . .	..	4.46	27.62
Uttar Pradesh . . . . .	1,01,682.50	7.73	106.62
Chandigarh . . . . .	..	3.67	16.61
Delhi . . . . .	..	..	(F)
<b>SUB—TOTAL</b> . . . . .	<b>1,01,682.50</b>	<b>6.06</b>	<b>44.40</b>
Gujarat . . . . .	26,698.00	5.22	29.67
Madhya Pradesh . . . . .	11,865.00	1.04	21.44
Maharashtra . . . . .	56,574.61	2.61	59.20
Goa, Daman & Diu . . . . .	..	0.96	777.62
D. & N. Haveli . . . . .	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>33,711.33</b>	<b>2.65</b>	<b>35.91</b>
Bihar (I) . . . . .	54,377.14	2.84	86.73
Orissa . . . . .	11,516.25	3.89	54.64
West Bengal (I) . . . . .	32,032.31	2.56	318.53
A. & N. Islands . . . . .	..	..	17.50
Sikkim . . . . .	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>25,405.43</b>	<b>2.89</b>	<b>139.90</b>
Andhra Pradesh . . . . .	18,891.43	2.06	70.66
Karnataka . . . . .	..	1.26	0.12
Kerala . . . . .	..	1.00	79.98
Tamil Nadu . . . . .	13,044.00	2.74	6.98
Pondicherry . . . . .	..	4.85	330.00
Lakshadweep . . . . .	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>16,455.00</b>	<b>2.19</b>	<b>12.95</b>
Assam . . . . .	..	5.23	133.33
Manipur . . . . .	..	..	12.00
Meghalaya . . . . .	..	0.43	18.85
Nagaland . . . . .	..	..	15.45
Tripura . . . . .	..	7.40	32.75
Arunachal Pradesh . . . . .	..	..	30.00
Mizoram . . . . .	..	..	60.00
<b>SUB—TOTAL</b> . . . . .	<b>..</b>	<b>5.99</b>	<b>86.98</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>30,922.47</b>	<b>3.34</b>	<b>33.47</b>

(E) Included in Agricultural category.

(F) Included in Industrial high voltage.

TABLE NO. 66

*Average Connected Load Per Consumer-Regionwise/Statewise—Categorywise As On 31st March, 1982*

(In KW)

Region	State/Uts.	Total Average/ all Categories	Domestic	Commercial
<i>Northern Region</i>	Haryana . . . . .	1.90	0.38	0.58
	Himachal Pradesh . . . . .	0.96	0.51	1.14
	Jammu & Kashmir . . . . .	0.66	0.25	0.47
	Punjab . . . . .	1.64	0.55	0.94
	Rajasthan . . . . .	2.10	0.56	0.76
	Uttar Pradesh . . . . .	2.51	0.52	4.88
	Chandigarh . . . . .	2.85	1.76	5.41
	Delhi . . . . .	1.20	0.62	1.90
	SUB-TOTAL . . . . .	1.84	0.53	1.11
<i>Western Region . . . . .</i>	Gujarat . . . . .	1.61	0.50	0.75
	Madhya Pradesh . . . . .	1.86	0.53	0.89
	Maharashtra . . . . .	2.02	0.70	1.14
	Goa, Daman & Diu . . . . .	6.97	1.54	1.00
	D. & N. Haveli . . . . .	0.90	0.35	0.51
	SUB-TOTAL . . . . .	1.93	0.62	0.97
<i>Eastern Region . . . . .</i>	Bihar . . . . .	2.01	0.49	0.70
	Orissa . . . . .	2.31	0.68	0.86
	West Bengal . . . . .	2.38	0.98	1.53
	D. V. C. . . . .	13,000.75	..	13.00
	A. & N. Islands . . . . .	0.57	0.50	0.60
	Sikkim . . . . .	2.13	1.90	(A)
	SUB-TOTAL . . . . .	2.41	0.78	1.15
<i>Southern Region . . . . .</i>	Andhra Pradesh . . . . .	1.87	0.49	1.22
	Karnataka . . . . .	1.50	0.56	0.38
	Kerala . . . . .	1.23	0.62	0.64
	Tamil Nadu . . . . .	1.74	0.57	0.79
	Pondicherry . . . . .	2.09	0.64	0.59
	Lakshadweep . . . . .	0.67	0.55	1.01
	SUB-TOTAL . . . . .	1.63	0.56	0.79
<i>North Eastern Region . . . . .</i>	Assam . . . . .	2.93	1.11	1.52
	Manipur . . . . .	0.43	0.23	0.74
	Meghalaya . . . . .	1.25	0.58	1.35
	Nagaland . . . . .	0.94	0.75	0.72
	Tripura . . . . .	1.37	0.50	1.00
	Arunachal Pradesh . . . . .	0.29	0.21	0.35
	Mizoram . . . . .	0.75	0.67	0.40
	SUB-TOTAL . . . . .	2.06	0.82	1.35
	TOTAL (ALL INDIA) . . . . .	1.85	0.59	0.97

TABLE NO. 66—Contd.

State/U. Ts.	Industrial LV & MV	Industrial HV	Public Lighting
Haryana . . . . .	11.43	599.48	0.89
Himachal Pradesh . . . . .	15.09	(C)	5.70
Jammu & Kashmir . . . . .	10.54	(C)	8.21
Punjab . . . . .	11.48	682.99	9.59
Rajasthan . . . . .	10.25	1,600.18	2.42
Uttar Pradesh . . . . .	9.63	538.62	2.99
Chandigarh . . . . .	16.38	358.94	9.00
Delhi . . . . .	6.46	..	15.36
<b>SUB—TOTAL</b> . . . . .	<b>10.06</b>	<b>654.79</b>	<b>3.47</b>
Gujarat . . . . .	8.41	634.05	3.01
Madhya Pradesh . . . . .	9.42	1,400.53	2.98
Maharashtra . . . . .	9.84	817.82	2.13
Goa, Daman & Diu . . . . .	51.10	4,133.02	23.25
D. & N. Haveli . . . . .	12.89	60.00	4.31
<b>SUB—TOTAL</b> . . . . .	<b>9.61</b>	<b>926.80</b>	<b>2.74</b>
Bihar . . . . .	7.67	428.56	1.20
Orissa . . . . .	15.44	1,739.79	3.75
West Bengal . . . . .	6.19	503.83	42.09
D. V. C. . . . .	..	16,346.15	..
A & N Islands . . . . .	5.00	..	0.03
Sikkim . . . . .	21.00	..	1.68
<b>SUB—TOTAL</b> . . . . .	<b>7.72</b>	<b>712.43</b>	<b>4.02</b>
Andhra Pradesh . . . . .	11.34	733.00	1.50
Karnataka . . . . .	5.72	614.91	2.86
Kerala . . . . .	11.58	690.78	11.06
Tamil Nadu . . . . .	5.68	908.79	1.09
Pondicherry . . . . .	15.00	640.00	40.00
Lakshadweep . . . . .	8.81	..	3.95
<b>SUB—TOTAL</b> . . . . .	<b>7.28</b>	<b>744.28</b>	<b>1.63</b>
Assam . . . . .	42.42	2,725.40	0.72
Manipur . . . . .	6.57	..	1.45
Meghalaya . . . . .	53.08	..	1.13
Nagaland . . . . .	6.34	..	0.79
Tripura . . . . .	10.47	(C)	4.63
Arunachal Pradesh . . . . .	16.10	..	3.08
Mizoram . . . . .	100.00	..	(A)
<b>SUB—TOTAL</b> . . . . .	<b>31.93</b>	<b>2,725.40</b>	<b>0.91</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>8.93</b>	<b>777.37</b>	<b>2.28</b>

(A)—Included in Domestic.

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

TABLE NO. 66—Contd.

State/Uts.	Traction	Agricultural	Public Water Work
Haryana . . . . .	..	4.62	16.62
Himachal Pradesh . . . . .	..	13.85	(C)
Jammu & Kashmir . . . . .	..	17.68	29.26
Punjab . . . . .	..	3.64	(D)
Rajasthan . . . . .	..	4.78	11.97
Uttar Pradesh . . . . .	26,668.25	5.58	41.03
Chandigarh . . . . .	..	4.58	26.26
Delhi . . . . .	..	(C)	966.03
<b>SUB—TOTAL . . . . .</b>	<b>26,668.25</b>	<b>4.73</b>	<b>22.29</b>
Gujarat . . . . .	10,000.00	6.60	15.26
Madhya Pradesh . . . . .	8,125.00	2.47	7.20
Maharashtra . . . . .	2,931.00	3.31	20.66
Goa, Daman & Diu . . . . .	..	4.63	9.67
D & N Haveli . . . . .	..	(B)	0.18
<b>SUB—TOTAL . . . . .</b>	<b>6,186.77</b>	<b>3.69</b>	<b>13.43</b>
Bihar . . . . .	9,571.43	2.64	34.02
Orissa . . . . .	3,822.00	4.97	30.76
West Bengal . . . . .	7,622.08	5.70	79.45
D. V. C. . . . .	12,857.14	..	..
A. & N. Islands . . . . .	..	..	5.00
Sikkim . . . . .	..	..	..
<b>SUB—TOTAL . . . . .</b>	<b>8,190.37</b>	<b>3.19</b>	<b>45.43</b>
Andhra Pradesh . . . . .	3,644.14	3.79	18.90
Karnataka . . . . .	..	3.30	24.90
Kerala . . . . .	..	2.86	24.87
Tamil Nadu . . . . .	6,965.60	3.47	4.33
Pondicherry . . . . .	..	6.00	232.00
Lakshadweep . . . . .	..	..	..
<b>SUB—TOTAL . . . . .</b>	<b>5,028.08</b>	<b>3.49</b>	<b>9.37</b>
Assam . . . . .	..	24.02	38.12
Manipur . . . . .	..	..	44.00
Meghalaya . . . . .	..	0.43	10.77
Nagaland . . . . .	..	..	13.55
Tripura . . . . .	..	11.03	15.58
Arunachal Pradesh . . . . .	..	..	14.00
Mizoram . . . . .	..	..	16.00
<b>SUB—TOTAL . . . . .</b>	<b>..</b>	<b>21.31</b>	<b>28.16</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>7,892.30</b>	<b>3.86</b>	<b>14.86</b>

(B)—Included in Public Water Works Category.  
(D)—Included in Agricultural Category.



SECTION X  
**Urban & Rural Electrification**

197—198

### **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 1981-82, 24218 villages have been benefited by electricity bringing the total number of villages electrified to 296505 as on 31-3-1982 which represents 51.5% of the total registered villages in the country. The States of Punjab, Haryana and 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 (99.2%) and Union Territories of Goa, Daman and Diu (91.4%) and Lakshadweep (90.0%)

As regards the regionwise progress in rural electrification, southern region tops with 75.7% of the total villages covered by electricity. The rural population enjoying the benefits of village electrification was 70.2% as on 31-3-1982 compared to 68.0% during the last year i. e. as on 31-3-1981. All the 3126 towns in the country stand electrified as on 31-3-1982.

Tempo of pumpsets energisation was maintained during 1981-82. This has helped agricultural consumers to improve the productivity of their agricultural operations. The total number of energised pumpsets in the country were 4649890 as on 31-3-1982. Tamil Nadu continued to have maximum number of energised pumpsets (945520) followed by Maharashtra (719290) and Andhra Pradesh (486658).

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

TABLE NO. 67

*Towns Electrified In Various Population Groups (1971 Census) Regionwise/Statewise As On 31st March, 1982*

Region	State/Uts.	Total Number	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	10	59	59
	A. & N. Islands . . . . .	1	..	..	..
	Sikkim . . . . .	7	6	..	1
		<b>SUB—TOTAL</b> . . . . .	<b>514</b>	<b>30</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	..
	Lakshadweep . . . . .	..	..	..	..
		<b>SUB—TOTAL</b> . . . . .	<b>1,002</b>	<b>137</b>	<b>204</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>297</b>	<b>820</b>	<b>987</b>

TABLE No. 67—Contd.

State	Population Groups			Total number electrified	Electrified during 1981—82
	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	..
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>..</b>
Bihar . . . . .	51	11	9	202	..
Orissa . . . . .	20	2	4	81	..
West Bengal . . . . .	49	31	15	223	1
Andaman & Nicobar Islands . . . . .	1	..	..	1	..
Sikkim . . . . .	..	..	..	7	..
<b>SUB—TOTAL</b> . . . . .	<b>121</b>	<b>44</b>	<b>28</b>	<b>514</b>	<b>1</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	73	..
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>3,126</b>	<b>1</b>

TABLE NO. 68

*Villages electrified in various population groups (1971 Census) & Rural population benefited by electricity Region-wise/Statewise as on 31st March, 1982*

Region	State/UTs	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	10,203	745	222
	Jammu & Kashmir (+) . . . . .	6,503	2,770	1,359	635
	Punjab . . . . .	12,188	5,136	3,577	2,392
	Rajasthan . . . . .	33,305	7,946	4,436	2,666
	Uttar Pradesh (+) . . . . .	112,561	23,367	13,120	7,877
	Chandigarh . . . . .	26	8	10	7
	Delhi . . . . .	243	43	53	79
	<b>SUB—TOTAL</b> . . . . .	<b>1,88,473</b>	<b>51,491</b>	<b>25,209</b>	<b>15,551</b>
<i>Western Region</i>	Gujarat . . . . .	18,275	3,390	4,144	3,800
	Madhya Pradesh . . . . .	70,883	14,026	8,510	5,135
	Maharashtra (+) . . . . .	35,778	9,109	8,923	7,215
	Goa, Daman & Diu . . . . .	409	111	78	83
	Dadra & Nagar Haveli . . . . .	72	16	16	25
		<b>SUB—TOTAL</b> . . . . .	<b>1,25,417</b>	<b>1,26,652</b>	<b>21,671</b>
<i>Eastern Region</i>	Bihar (+) . . . . .	67,566	10,223	6,592	4,946
	Orissa . . . . .	46,992	10,317	6,073	2,871
	West Bengal . . . . .	38,074	4,872	4,544	4,143
	Andaman & Nicobar Islands . . . . .	390	98	26	20
	Sikkim (+) . . . . .	405(**)	44	35	5
		<b>SUB—TOTAL</b> . . . . .	<b>1,53,427</b>	<b>25,554</b>	<b>17,270</b>
<i>Southern Region</i>	Andhra Pradesh (+) . . . . .	27,221	3,443	4,375	5,880
	Karnataka . . . . .	26,826	6,691	5,188	3,722
	Kerala . . . . .	1,268	4	2	16
	Tamil Nadu . . . . .	15,735	2,868	3,414	4,544
	Pondicherry . . . . .	333	162	85	57
	Lakshadweep . . . . .	10	..	..	1
		<b>SUB—TOTAL</b> . . . . .	<b>71,393</b>	<b>13,168</b>	<b>13,064</b>
<i>North Eastern Region</i>	Assam (+) . . . . .	21,995	3,570	1,827	1,013
	Manipur (+) . . . . .	1,949	138	97	95
	Meghalaya (+) . . . . .	4,583	659	157	46
	Nagaland . . . . .	960	226	113	84
	Tripura . . . . .	4,727	803	234	112
	Arunachal Pradesh . . . . .	2,973	363	36	21
	Mizoram . . . . .	229	10	7	7
		<b>SUB—TOTAL</b> . . . . .	<b>37,416</b>	<b>5,769</b>	<b>2,471</b>
	<b>TOTAL (ALL INDIA)</b> . . . . .	<b>5,76,126</b>	<b>1,22,634</b>	<b>79,685</b>	<b>59,392</b>

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

TABLE NO. 68—Contd.

State/UTs	Villages electrified in various population groups			Total electrified as on 31-3-1982
	2000—4999	5000—9999	10000 & Above	
Haryana . . . . .	975	148	8	6,731
Himachal Pradesh . . . . .	45	2	..	11,217
Jammu & Kashmir (+) . . . . .	172	7	..	4,943
Punjab . . . . .	940	79	2	12,126(f)
Rajasthan . . . . .	1,058	91	10	16,207
Uttar Pradesh (+) . . . . .	2,848	293	20	47,525
Chandigarh . . . . .	..	1	..	26
Delhi . . . . .	60	6	2	243
<b>SUB—TOTAL . . . . .</b>	<b>6,098</b>	<b>627</b>	<b>42</b>	<b>99,018</b>
Gujarat . . . . .	1,832	247	16	13,429
Madhya Pradesh . . . . .	1,256	87	6	29,020
Maharashtra (+) . . . . .	3,038	490	75	28,850
Goa, Daman & Diu . . . . .	77	23	2	374
Dadra & Nagar Haveli . . . . .	5	..	..	62
<b>SUB—TOTAL . . . . .</b>	<b>6,208</b>	<b>847</b>	<b>99</b>	<b>71,735</b>
Bihar (+) . . . . .	2,844	461	75	25,141
Orissa . . . . .	728	19	2	20,010
West Bengal . . . . .	2,361	322	42	16,284
Andaman & Nicobar Islands . . . . .	1	..	..	145
Sikkim (+) . . . . .	22	..	..	86
<b>SUB—TOTAL . . . . .</b>	<b>5,936</b>	<b>802</b>	<b>119</b>	<b>61,666</b>
Andhra Pradesh (+) . . . . .	4,695	717	80	19,190
Karnataka . . . . .	1,703	233	9	17,626
Kerala . . . . .	122	316	808	1,268
Tamil Nadu . . . . .	3,893	752	140	15,611
Pondicherry . . . . .	26	3	..	333
Lakshadweep . . . . .	6	2	..	9
<b>SUB—TOTAL . . . . .</b>	<b>10,525</b>	<b>2,023</b>	<b>1,037</b>	<b>54,037</b>
Assam (+) . . . . .	252	11	..	6,673
Manipur (+) . . . . .	60	6	..	396
Meghalaya (+) . . . . .	6	..	..	868
Nagaland . . . . .	15	1	..	439
Tripura . . . . .	40	1	..	1,190
Arunachal Pradesh (+) . . . . .	10	..	..	430
Mizoram . . . . .	27	2	..	53
<b>SUB—TOTAL . . . . .</b>	<b>410</b>	<b>21</b>	<b>..</b>	<b>10,049</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>29,177</b>	<b>4,320</b>	<b>1,297</b>	<b>2,96,505</b>

NOTE : (.) Population-wise break up estimated.

(\*) 62 villages have been declared un-inhabited.

(\*\*) 100% village electrification have been already achieved.

TABLE No. 68 —Contd.

State/Uts	% electrified	Villages electri- fied during 1981-82	Total popula- tion @ (lakhs)	Rural popula- tion benefited (lakhs)	% age benefited
Haryana . . . . .	100.00	(**)	82.64	82.64	100.00
Himachal Pradesh . . . . .	66.3	1,167	32.19	25.06	77.9
Jammu & Kashmir . . . . .	76.0	222	37.59	22.89*	68.7
Punjab . . . . .	100.0	(**)	103.35	103.35(a)	100.0
Rajasthan . . . . .	48.7	1,092	212.22	135.18	63.7
Uttar Pradesh . . . . .	42.2	5,153	759.53	404.06	53.3
Chandigarh . . . . .	100.0	(**)	0.24	0.24	100.0
Delhi . . . . .	100.0	(**)	4.19	4.19	100.0
<b>SUB—TOTAL . . . . .</b>	<b>52.5</b>	<b>7,634</b>	<b>1,231.95</b>	<b>780.61</b>	<b>63.4</b>
Gujarat . . . . .	73.5	914	192.01	163.82	85.3
Madhya Pradesh . . . . .	40.9	3,620	348.69	204.74	58.7
Maharashtra . . . . .	80.6	1,225	347.01	316.65	91.3
Goa, Daman & Diu . . . . .	91.4	6	6.31	6.19	98.1
Dadra & Nagar Haveli . . . . .	86.1	10	0.74	0.65	87.8
<b>SUB—TOTAL . . . . .</b>	<b>57.2</b>	<b>5,775</b>	<b>894.76</b>	<b>692.05</b>	<b>77.3</b>
Bihar . . . . .	37.2	3,627	507.19	224.90(b)	44.3
Orissa . . . . .	42.6	1,206	200.99	131.36	65.4
West Bengal . . . . .	42.8	2,021	333.45	201.14	60.3
Andaman & Nicobar Islands . . . . .	37.2	34	0.89	0.69	77.5
Sikkim . . . . .	21.2	19	1.90	0.53	27.9
<b>SUB—TOTAL . . . . .</b>	<b>40.2</b>	<b>6,907</b>	<b>10,44.42</b>	<b>558.62</b>	<b>53.5</b>
Andhra Pradesh . . . . .	70.5	1,361	351.00	321.91	91.7
Karnataka . . . . .	65.7	833	221.77	182.07	82.1
Kerala . . . . .	100.0	(**)	178.81	178.81	100.0
Tamil Nadu . . . . .	99.2	25	287.34	286.79	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>75.7</b>	<b>2,219</b>	<b>1,041.97</b>	<b>972.63</b>	<b>93.3</b>
Assam . . . . .	30.3	1,046	133.36	55.39	41.5
Manipur . . . . .	20.3	62	9.31	5.68(c)	61.0
Meghalaya . . . . .	18.9	168	8.65	3.31	38.3
Nagaland . . . . .	45.7	72	4.65	2.98	64.1
Tripura . . . . .	25.2	204	13.94	8.56	61.4
Arunachal Pradesh . . . . .	14.5	114	4.50	1.31	29.1
Mizoram . . . . .	23.1	17	2.95	1.13	38.3
<b>SUB—TOTAL . . . . .</b>	<b>26.9</b>	<b>1,683</b>	<b>177.36</b>	<b>78.36</b>	<b>44.2</b>
<b>TOTAL (ALL INDIA) . . . . .</b>	<b>51.5</b>	<b>24,218</b>	<b>4,390.46</b>	<b>3,082.27</b>	<b>70.2</b>

NOTE : \*Figure Provisional

(a) As on 31-12-79.

(b) As on 30-4-80.

(c) As on 31-12-81.

TABLE NO. 69

Irrigation Pumpsets Energised Regionwise/Statewise as on 31st March, 1982

Region	State/Uts.	No. of Pumpsets energised	Agricultural Consumption	
			Quantum (GWH)	% to total consumption in the State
Northern Region	Haryana	2,37,229	1,159.40	38.65
	Himachal Pradesh	1,931	6.51	2.17
	Jammu & Kashmir	1,095	30.46	5.65
	Punjab	3,07,392	1,860.07	36.60
	Rajasthan	2,33,578	1,031.28	32.93
	Uttar Pradesh	4,35,507	2,833.24	33.36
	Chandigarh	536	1.34	0.74
	Delhi	13,262	0.16	0.01
	SUB—TOTAL	12,30,530	6,922.46	29.80
Western Region	Gujarat	2,51,616	1,316.23	16.24
	Madhya Pradesh	3,54,645	393.82	7.84
	Maharashtra	6,19,290	1,878.74	12.58
	Goa, Daman & Diu	2,234	2.33	1.17
	D. & N. Haveli	297	0.39	5.06
	SUB—TOTAL	1,328,082	3,591.51	12.71
Eastern Region	Bihar	1,69,905	493.73	10.96
	Orissa	19,123	64.19	2.25
	West Bengal	25,650	66.32	1.08
	A. & N. Islands	1	..	..
	Sikkim	NIL	..	..
	SUB—TOTAL	2,14,679	624.24	4.62
Southern Region	Andhra Pradesh	4,86,658	1,004.55	16.55
	Karnataka	3,32,416	427.15	7.10
	Kerala	1,01,362	105.04	3.51
	Tamil Nadu	9,45,520	2,475.73	27.18
	Pondicherry	7,995	36.30	24.28
	Lakshadweep	NIL	..	..
	SUB—TOTAL	18,73,951	4,048.77	16.63
North Eastern Region	Assam	1,912	10.00	1.33
	Manipur	10	1.14	8.57
	Meghalaya	53	0.02	0.03
	Nagaland	NIL	..	..
	Tripura	673	3.02	7.96
	Arunachal Pradesh	NIL	..	..
	Mizoram	NIL	..	..
	SUB—TOTAL	2,648	14.18	1.56
	TOTAL (ALL INDIA)	46,49,890	15,201.16	16.84



TABLE No. 69—Contd.

State/UTs	Agricultural connected load (KW)	Average capacity per pump set (KW)	Average consumption per pumpset (KWH)	Consumption per unit of connected load (KWH/KW)
Haryana . . . . .	10,90,665	4.60	4,887	1,063
Himachal Pradesh . . . . .	28,760	14.89	3,371	226
Jammu & Kashmir (R) . . . . .	18,864	17.23	27,817	1,615
Punjab . . . . .	11,10,839	3.61	6,051	1,674
Rajasthan . . . . .	11,03,237	4.72	4,415	935
Uttar Pradesh . . . . .	20,46,089	4.70	6,506	1,385
Chandigarh . . . . .	1,673	3.12	2,500	801
Delhi . . . . .	..	..	12	..
<b>SUB—TOTAL</b> . . . . .	<b>54,00,127</b>	<b>4.39</b>	<b>5,626</b>	<b>1,282</b>
Gujarat . . . . .	16,64,839	6.62	5,231	791
Madhya Pradesh . . . . .	93,0,010	2.62	1,110	423
Maharashtra . . . . .	2,389,542	3.32	2,612	786
Goa, Daman & Diu . . . . .	11,231	5.03	1,043	207
D. & N. Haveli . . . . .	350	1.18	1,313	1,114
<b>SUB—TOTAL</b> . . . . .	<b>49,95,972</b>	<b>3.76</b>	<b>2,704</b>	<b>719</b>
Bihar . . . . .	457,373	2.69	2,906	1,079
Brissa . . . . .	81,840	4.28	3,357	784
West Bengal . . . . .	1,47,687	5.76	2,586	449
A. & N. Islands . . . . .	..	..	..	..
Sikkim . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>6,86,900</b>	<b>3.20</b>	<b>2,908</b>	<b>909</b>
Andhra Pradesh . . . . .	1,848,344	3.80	2,064	543
Karnataka . . . . .	11,17,495	3.36	1,285	382
Kerala . . . . .	2,90,465	2.86	1,036	362
Tamil Nadu . . . . .	31,39,120	3.32	2,618	789
Pondicherry . . . . .	44,952	5.62	4,540	808
Lakshadweep . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>64,40,376</b>	<b>3.44</b>	<b>2,161</b>	<b>629</b>
Assam . . . . .	45,922	24.02	5,230	218
Manipur . . . . .	..	..	1,14,000	..
Meghalaya . . . . .	20	0.38	377	1,000
Nagaland . . . . .	..	..	..	..
Arunachal Pradesh . . . . .	..	..	..	..
Tripura . . . . .	4,500	6.87	4,487	671
Mizoram . . . . .	..	..	..	..
<b>SUB—TOTAL</b> . . . . .	<b>50,442</b>	<b>19.05</b>	<b>5,355</b>	<b>281</b>
<b>TOTAL (ALL INDIA)</b> . . . . .	<b>1,75,73,817</b>	<b>3.78</b>	<b>3,269</b>	<b>865</b>

