

सार्वजनिक विद्युत आपूर्ति
PUBLIC ELECTRICITY SUPPLY

अखिल भारत सांख्यिकी
ALL INDIA STATISTICS

1996-97

सामान्य अवलोकन
GENERAL REVIEW



संकलन कर्ता
COMPLIED BY
केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY
नई दिल्ली
NEW DELHI

(In fulfillment of CEA's obligation under Section 3 (1) (iv) of Electricity (Supply) Act 1948)
(विद्युत (आपूर्ति) अधिनियम 1948 की धारा 3 (1) (iv) के तहत के.वि.प्रा. के दायित्व की पूर्णता के लिए संकलित)



भारत सरकार
GOVERNMENT OF INDIA
विद्युत मंत्रालय
MINISTRY OF POWER
केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY

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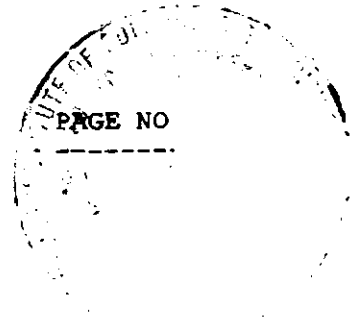
संकलन कर्ता
COMPILED BY

आंकड़ा प्रबन्धन एवम् भार पूर्वानुमान प्रभाग
DATA MANAGEMENT & LOAD FORECASTING DIVISION

केन्द्रीय विद्युत प्राधिकरण
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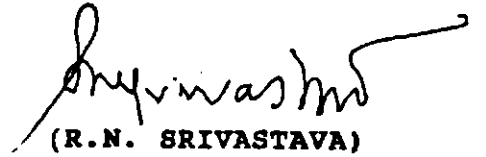
FOREWORD

Public Electricity Supply- All India Statistics- General Review is a yearly publication of the C.E.A which gives vital electricity statistics of power sector. The publication gives in details statistics on installed generating capacity, generation of power, captive plants in industries, transmission and distribution, consumption pattern of power, villages electrified and pumpsets energised etc. The basic data is collected from all State Electricity Boards, State Electricity Departments, Generating Undertakings, Private Licensees including Cooperative Societies, Municipal Licensees as well as from Industries having captive power plants. We are grateful to all the organisation who had furnished the basic data in detail.

All efforts have been made to ensure accuracy in the data included in this publication. In spite of this, if any errors or omissions are observed, the same may kindly be brought to the notice of Chief Engineer DMLF, CEA, Sewa Bhawan, R.K.Puram for rectification.

We would welcome any suggestion for improving the publication.

Dated 17.5.1999

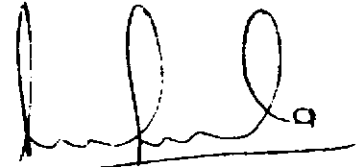


(R.N. SRIVASTAVA)
CHAIRMAN CEA

PREFACE

In compliance of Section 3(1)(iv) of the Electricity (Supply) Act, 1948, the Central Electricity Authority brings out "Public Electricity Supply- All India Statistics- General Review" every year on the basis of information/data furnished by various utilities in the power sector. Most of the utilities and non-utilities had furnished the data to the Authority. No data/part data was received from J&K Electricity Department, Arunachal Pradesh, Nagaland Electricity Department and some Cooperatives etc. In view of this either reasonable estimates have been made or the data available in the other formations of CEA have been taken to complete All India picture of the salient features covered in the publication. This has been mentioned under each Section of the publication and to that extent the figures become tentative.

The data/information has been compiled after sifting and analysing the same in the Data Management & Load Forecasting Divn. Of CEA under the overall supervision of Shri R.K.Gujral, Chief Engineer, DMLF. I have pleasure in noting the meticulous work done by Shri A.K.Puri, Director, S/Sh.K.K.Singh and G.D.Dhingra, Deputy Directors; S/Sh.D.P.Rathee and S.C.Das, Assistant Directors; S/Sh. R.S.Bhatia and P.K.Home, Extra Assistant Directors(Commercial), S/Sh.Rajesh Kumar, Professional Assistant, S/Sh. Ashok Kumar and D.C.Dabral, Statistical Assistant and Shri R.K.Arora, P.A of DMLF Division in bringing out this publication



(K. N. SINHA)
MEMBER (PLANNING)

INTRODUCTION

1. Public Electricity Supply-All India Statistics- General Review is being published yearly by the Central Electricity Authority. This publication presents in a summarised form, salient features of the progress and development of electricity supply industry in the country. The pattern followed is the same as in the previous issues of this publication.
2. The "General Review" has been divided into 10 Sections presenting various aspects of the progress achieved by the electricity supply industry in each of the States and Union Territories in the country during the year 1996-97. The details of operating data like fuel consumption peak demand and manpower engaged in the Power Sector are also presented in this publication.
3. A brief "Overview" of the power development upto 31st March, 1997 has been brought out. A feature introduced in previous few years and continued this year "overview" also brings out the yearwise/planwise growth of installed capacity, generation, consumption pattern, rural electrification, per capita consumption etc. duly updated, wherever required in Tables (I) to (V) of the "Overview".
4. The important features of progress made by Power Sector during 1996-97 are as follows:
 - (i) Net addition to generating capacity of 2793.63 MW (2501.85 MW in utilities and 291.78 MW in non-utilities) raising the cumulative installed capacity in the country to 97874.30 MW (85795.37 MW in Public Utilities and 12078.93 MW in Non-Utilities). Percentage growth over the previous year was 3.00% in the case of Public Utilities and 2.48% in the case of Non-Utilities. (In the capacity figure for Non-Utilities given above, only industries having capacity of the order of 1 MW and above have been taken into account).
 - (ii) There has been increase in electricity generation in utilities during 1996-97 by 4.22% over that of previous year. Steam power plants registered an increase in generation of 5.71%, while generation from hydro plants decreased by 5.07%.
 - (iii) There has been increase of 1.15% in electricity sold to various consumers by Public Utilities during the year as compared to 6.70% during the previous year. The share of energy consumed by the Industrial Sector was 37.18% as compared to 37.79% during the last year. Changes in the pattern of consumption in other categories were insignificant.
 - (iv) Addition of 3.92 millions new consumers during the year, increasing the total number of consumers of all categories to 94.94 million. The total connected load at the end of the year was of the order of 187050 MW. The per capita consumption of electricity during the year decreased to 334.26 Kwh from 336.41 Kwh during the previous year.

- (v) The emphasis on electrification of rural areas continued during the year. The total number of villages electrified at the end of the year were 498836 representing 84.94% of the total villages in the country based on 1991 Census as compared to 501831 villages electrified at the end of the previous year which represents 86.66% of total villages based on 1981 census.
- (vi) The transmission and distribution network was further augmented by adding new T&D lines. The total length of T&D lines increased to 5140993 Ckt. Kms. as on 31.3.97 from 5089696 Ckt. Kms. at the end of the previous year representing an increase of 1.02%. The overall percentage of T&D losses was 24.53% as compared to 22.27% during the previous year.



(R.K. GUJRAL)
CHIEF ENGINEER

**POWER DEVELOPMENT IN THE COUNTRY (UTILITIES)
AN OVERVIEW**

POWER DEVELOPMENT IN THE COUNTRY (UTILITIES)

AN OVERVIEW

Power Development in India commenced at the end of 19th Century with the commissioning of electricity supply in Darjeeling during 1897, followed by commissioning of hydel power station at Sivasamudram in Karnataka during 1902. In the pre-independence era, the power supply was mainly in the hands of Private Sector, that too restricted to the urban areas. After independence, the Government of India felt the need for restructuring electricity supply industry with a view to rationalise its growth all over the country. The Electricity (Supply) Act was enacted in 1948. With the formation of State Electricity Boards in various parts of the country in the early 50s, and with the advent of the Five Year Plans, a significant step was taken in bringing about systematic growth of power supply industry all over the country. A number of multi-purpose projects came into being and with the setting up of thermal, hydro and nuclear power stations, power generation started increasing significantly. The Central participation in the expansion of power generation programme started with the creation of two generating corporations viz. National Thermal Power Corporation and National Hydro Power Corporation during the year 1975, which gave a fillip to the growth of the Power Sector in the country. The Nuclear Power Corporation and Power Grid Corporation of India Ltd. were created to give further boost to the Power Development Programme. The growth of the power sector in the country from 1950 to the end of 1996-97 has been displayed in the tables immediately after this write-up and is briefly discussed in the following paragraphs.

I. INSTALLED CAPACITY

The Installed Capacity which was only 1713 MW as on 31.12.1950 rose to 85795 MW at the end of VIIIth Plan period, thermal constituting 61912 MW i.e. 72.17%, Hydel 21658 MW i.e. 25.24%, Nuclear 2225 MW i.e. 2.59% of the total installed capacity. The gross addition was 16422.5 MW during 1992-97 against the target of 30537.7 MW. Besides this there are some plants retired/uprated and capacity added from small diesel sets, mini hydro and wind in each year of the Plan. Summary is given below:

TYPE	HYDRO	THERMAL	NUCLEAR	TOTAL
Major Plants	2427.65	13554.82	440.00	16422.47
Mini Hydro/Diesel/ Wind.Addition	36.18	912.96	-	949.14
Retirement/ Deletion	(-) 0.06	(-) 531.37	-	(-) 531.43
Reporting difference/- Upgrading.	(-) 110.00	-	-	(-) 110.00
Net Addition	2463.77	13826.41	440.00	16730.18

II. GROSS GENERATION

The gross electricity generation which was 5,107 Gwh during the year ending 31.12.1950 rose to 2,87,029 Gwh in 1991-92 (previous year of 1st year of the VIIIth Plan) constituting thermal 208747 Gwh i.e.72.73% Hydel 72757 Gwh i.e. 25.35% and Nuclear 5524 Gwh i.e. 1.92% of the total generation. The total generation rose to 395889 Gwh during the year 1996-97 (last year of the VIIIth Plan). The contribution from thermal capacity is 317917 Gwh i.e.80.31%, from hydel 68901 Gwh i.e.17.40% and from Nuclear capacity 9071 Gwh i.e.2.29%.

III. CONSUMPTION

The consumption of 4157 Gwh as on 31.12.1950 rose to 2,07,645 Gwh during the year 1991-92 (previous year of the Ist year of the VIII Plan.) It is further increased to 2,80,206 Gwh during the year 1996-97 (the last year of the VIIIth Plan). There has been substantial growth in the consumption of electricity during every plan. The industrial and agricultural categories constitute the major consumers of electricity. The percentage consumption in the industrial sector has come down to 37.18% during the year 1996-97 from 42.04% during the year 1991-92. However in the agricultural sector the percentage consumption has risen to 29.99% during the year 1996-97 as compared to 28.20% during the year 1991-92. Similarly there is a rising trend in the domestic sector from 17.27% to 19.72% in the same period.

IV. RURAL ELECTRIFICATION

The total number of villages electrified as on 31.3.1951 was which constitute 0.54% of the total villages existing at that time. The total number of villages electrified at the beginning of VIII Plan i.e. 31.3.1992 was 4,87,170 based on 1981 census. It further rose to 4,98,836 based on 1991 census representing 84.94% of the total villages electrified.

V. TRANSMISSION & DISTRIBUTION LINES

The length of transmission and distribution lines which was 29271 Ckt. Kms. as on 31.12.1950 rose to 45,74,200 Ckt. Kms. as on 31.3.1992 (at the end of the previous year of the Ist year of the VIII Plan) This went up further to 51,40,993 Ckt. Kms. at the end 31st March 1997 (end of VIII Plan)

VI. PER CAPITA CONSUMPTION

An important index of Power development is the per capita consumption of electricity which reflects the quantity of energy utilised by each havitant. The per capita consumption which was 15.6 Kwh during 1950 increased to 269.98 Kwh during the years 1991-92 (the previous year of the Ist year of VIIIth Plan). This went further up to 334.26 Kwh during the year 1996-97, (at the end of VIIIth Plan).

TABLE NO 1

PLANWISE GROWTH OF POWER SECTOR IN THE COUNTRY-UTILITIES ONLY

	Installed Capacity (MW)	Gross Generation (GWH) (A)	Consumption (GWH) (A)	No. of villages electrified	Length of T & D Lines (Ckt. Kms.)	Per capita consumption (Utilities+ Non-Utilities) (KWH) (A)
31.12.50	1713	5107	4157	\$ 3061	@ 29271	15.55
1st Plan ending on 31.03.55	2695 (57.3)	8592 (68.2)	7111 (71.1)	7294 (138.3)	@ 66421 (126.9)	26.40 (69.8)
2nd Plan ending on 31.03.61	4653 (72.7)	16937 (97.1)	13841 (94.6)	21754 (198.2)	@ 157887 (137.7)	37.90 (43.6)
3rd Plan ending on 31.03.66	9027 (94.0)	32990 (94.8)	26735 (93.2)	45148 (107.6)	541704 (243.1)	61.30 (61.7)
Three Annual Plans ending on 31.03.69	12957 (43.5)	47434 (43.8)	37552 (39.7)	73739 (63.3)	836307 (54.4)	77.88 (27.0)
4th Plan ending on 31.03.74	16664 (28.5)	66689 (40.6)	50246 (34.5)	156729 (112.5)	1546097 (84.9)	97.48 (26.2)
5th Plan ending on 31.03.79	26682 (60.1)	102523 (53.7)	77293 (53.8)	232770 (48.5)	2145919 (38.3)	130.94 (34.3)
Annual Plan ending on 31.03.80	28448 (6.6)	104627 (2.1)	78084 (1.0)	249799 (7.3)	2351609 (9.6)	130.49 (-0.3)
6th Plan ending on 31.03.85	42585 (49.7)	156859 (49.9)	114068 (46.1)	370332 (48.2)	3211956 (36.6)	168.52 (29.1)
7th Plan ending on 31.03.90	63636 (49.4)	245438 (56.5)	175419 (53.8)	470838 (27.1)	4407501 (37.2)	237.95 (41.4)
8th Plan ending on 31.03.97	85795 (34.8)	395889 (61.3)	280206 (59.7)	498836 (5.9)	5140993 (16.6)	334.26 (40.5)

Notes:-

1. Figures for the 1st Plan period are from 1.1.51 to 31.12.55.

2. Figures for the 2nd Plan period are from 1.1.56 to 31.3.61.

Figures in brackets are %age growth with reference to preceding Plan.

@ Does not include distribution lines as no information is available below 500 volts lines.

(S) Figures ending March, 1951.

(A) Figures for the year ending on the indicated dates.

TABLE NO II

INSTALLED GENERATING CAPACITY IN THE COUNTRY
PRIME MOVERWISE (UTILITIES ONLY)

(M.W.)

YEAR	TOTAL	HYDRO	THERMAL (including Diesel Wind, Gas & Steam)	NUCLEAR
1950	1712.52 (100.00)	559.29 (32.65)	1153.23 (67.34)	0.00 0.00
1951	1835.43 (100.00)	575.18 (31.34)	1260.25 (68.66)	0.00 0.00
1952	2061.76 (100.00)	715.18 (34.69)	1346.58 (65.31)	0.00 0.00
1953	2305.19 (100.00)	731.18 (31.72)	1574.01 (68.28)	0.00 0.00
1954	2494.00 (100.00)	793.35 (31.81)	1700.65 (68.19)	0.00 0.00
1955	2694.52 (100.00)	939.48 (34.86)	1755.34 (65.14)	0.00 0.00
1956	2886.14 (100.00)	1061.44 (36.78)	1824.70 (63.22)	0.00 0.00
1957-58	3223.11 (100.00)	1213.92 (37.66)	2009.19 (62.34)	0.00 0.00
1958-59	3511.59 (100.00)	1361.44 (38.78)	2149.84 (61.22)	0.00 0.00
1959-60	3873.17 (100.00)	1530.15 (39.51)	2343.02 (60.49)	0.00 0.00
1960-61	4653.05 (100.00)	1916.66 (41.19)	2736.39 (58.81)	0.00 0.00
1961-62	5218.82 (100.00)	2419.10 (46.35)	2799.72 (53.65)	0.00 0.00
1962-63	5801.19 (100.00)	2936.35 (50.62)	2864.84 (49.38)	0.00 0.00
1963-64	6576.94 (100.00)	3167.02 (48.16)	3403.92 (51.84)	0.00 0.00
1964-65	7396.67 (100.00)	3388.73 (45.81)	4007.94 (54.19)	0.00 0.00
1965-66	9027.52 (100.00)	4123.74 (45.68)	4903.28 (54.32)	0.00 0.00

Note: Figures in brackets indicate % to total installed capacity

INSTALLED GENERATING CAPACITY IN THE COUNTRY
PRIME-MOVERWISE (UTILITIES ONLY)

(M.W.)

YEAR	TOTAL	HYDRO	THERMAL (including Diesel, Wind, Gas & Steam)	NUCLEAR
1966-67	10092.17 (100.00)	4757.22 (47.14)	5334.95 (52.86)	0.00 0.00
1967-68	11888.16 (100.00)	5486.92 (46.17)	6396.24 (53.83)	0.00 0.00
1968-69	12957.27 (100.00)	5906.91 (45.59)	7050.36 (54.41)	0.00 0.00
1969-70	14102.45 (100.00)	6134.77 (43.50)	7547.68 (53.52)	420.00 (2.98)
1970-71	14708.95 (100.00)	6383.23 (43.40)	7905.72 (53.74)	420.00 (2.86)
1971-72	15254.37 (100.00)	6611.61 (43.34)	8222.76 (53.91)	420.00 (2.75)
1972-73	16301.71 (100.00)	6785.41 (41.62)	9876.30 (54.45)	640.00 (3.93)
1973-74	16663.56 (100.00)	6965.30 (41.80)	9058.26 (54.36)	640.00 (3.84)
1974-75	18316.68 (100.00)	7529.24 (41.11)	10147.44 (55.40)	640.00 (3.49)
1975-76	20117.06 (100.00)	8463.60 (42.07)	11013.46 (54.75)	640.00 (3.18)
1976-77	21468.59 (100.00)	9024.90 (42.04)	11803.69 (54.98)	640.00 (2.98)
1977-78	23668.71 (100.00)	10020.22 (42.34)	13008.49 (54.96)	640.00 (2.70)
1978-79	26680.06 (100.00)	10833.07 (40.60)	15206.99 (57.00)	640.00 (2.40)
1979-80	28447.83 (100.00)	11383.97 (40.02)	16423.86 (57.73)	640.00 (2.25)

Note:-Figures in brackets indicate % to total installed capacity.

INSTALLED GENERATING CAPACITY IN THE COUNTRY
PRIME-MOVERWISE (UTILITIES ONLY)

(M.W.)

YEAR	TOTAL	HYDRO	THERMAL (including Diesel, Wind, Gas & Steam)	NUCLEAR
1980-81	30213.68 (100.00)	11791.22 (39.02)	17562.46 (58.13)	860.00 (2.85)
1981-82	32345.09 (100.00)	12172.81 (37.63)	19312.28 (59.71)	860.00 (2.66)
1982-83	35363.27 (100.00)	13055.86 (36.92)	21447.41 (60.65)	860.00 (2.43)
1983-84	39338.86 (100.00)	13855.56 (35.23)	24388.30 (61.99)	1095.00 (2.78)
1984-85	42584.72 (100.00)	14460.02 (33.96)	27029.70 (63.47)	1095.00 (2.57)
1985-86	46769.03 (100.00)	15471.60 (33.08)	29967.43 (64.02)	1330.00 (2.84)
1986-87	49265.86 (100.00)	16195.64 (32.87)	31740.22 (64.43)	1330.00 (2.70)
1987-88	54155.17 (100.00)	17265.33 (31.88)	35559.84 (65.66)	1330.00 (2.46)
1988-89	59040.38 (100.00)	17798.05 (30.15)	39677.33 (67.20)	1565.00 (2.65)
1989-90	60636.34 (100.00)	18307.63 (28.77)	43763.71 (68.77)	1565.00 (2.45)
1990-91	66086.33 (100.00)	18753.42 (28.38)	45767.91 (69.25)	1565.00 (2.37)
1991-92	69065.19 (100.00)	19194.31 (27.99)	48085.88 (69.62)	1785.00 (2.59)
1992-93	72330.37 (100.00)	19575.94 (27.07)	50749.43 (70.16)	2005.00 (2.77)
1993-94	76753.41 (100.00)	20379.04 (26.55)	54369.37 (70.84)	2005.00 (2.61)
1994-95	81171.33 (100.00)	20832.79 (25.67)	58113.54 (71.59)	2225.00 (2.74)
1995-96	83293.52 (100.00)	20985.58 (25.20)	60082.94 (72.13)	2225.00 (2.67)

Note:-Figures in brackets indicate % to total installed capacity.

TABLE NO. II (Contd.)

INSTALLED GENERATING CAPACITY IN THE COUNTRY
PRIME MOVERWISE (UTILITIES ONLY)

(M.W.)

YEAR	TOTAL (H+T+N+W)	HYDRO (H)	THERMAL (T) Steam Gas Diesel	NUCLEAR (N)	Sub- Total: (H+T+N)	WIND (W)
1996-97	85795.37 (100.00)	21658.08 (25.24)	61910.28 (71.12) 54154.48 6551.90 293.90	2225.00 (2.59)	84893.36 (98.95)	902.01 (1.05)

Note:- Figures in brackets indicate % to total installed capacity.

TABLE NO III

GROSS ELECTRICITY GENERATION IN THE COUNTRY
PRIMEMOVERWISE (UTILITIES ONLY)

(GWH)

YEAR	TOTAL	HYDRO	THERMAL (including Diesel Wind, Gas & Steam)	NUCLEAR
1950	5106.70 (100.00)	2519.17 (49.34)	2586.93 (50.66)	0.00 0.00
1951	5858.40 (100.00)	2859.70 (48.81)	2998.70 (51.19)	0.00 0.00
1952	6120.35 (100.00)	2799.13 (45.73)	3321.22 (54.27)	0.00 0.00
1953	6697.19 (100.00)	2913.85 (43.51)	3783.33 (56.49)	0.00 0.00
1954	7521.78 (100.00)	3236.52 (43.03)	4285.26 (56.97)	0.00 0.00
1955	8592.45 (100.00)	3742.24 (43.55)	4850.21 (56.45)	0.00 0.00
1956	9662.13 (100.00)	4294.87 (44.45)	5367.26 (55.55)	0.00 0.00
1957-58	11369.14 (100.00)	5072.24 (44.61)	6296.90 (55.39)	0.00 0.00
1958-59	12993.89 (100.00)	5848.10 (45.01)	7145.79 (54.99)	0.00 0.00
1959-60	15032.95 (100.00)	7027.42 (46.75)	8005.53 (53.25)	0.00 0.00
1960-61	16937.01 (100.00)	7836.58 (46.27)	9100.43 (53.73)	0.00 0.00
1961-62	19669.95 (100.00)	9814.38 (49.90)	9855.57 (50.10)	0.00 0.00
1962-63	22364.97 (100.00)	11804.54 (52.78)	10560.43 (47.22)	0.00 0.00
1963-64	26817.57 (100.00)	13956.70 (52.04)	12860.87 (47.96)	0.00 0.00
1964-65	29563.08 (100.00)	14793.85 (50.36)	14764.23 (49.94)	0.00 0.00
1965-66	32930.12 (100.00)	15224.97 (46.15)	17765.15 (53.85)	0.00 0.00

TABLE NO. III

GROSS ELECTRICITY GENERATION IN THE COUNTRY PRIME-MOVERWISE (UTILITIES ONLY)				(GWH)
1966-67	36375.59 (100.00)	16734.10 (46.00)	19641.49 (54.00)	0.00 0.00
1967-68	41194.54 (100.00)	18658.06 (45.29)	22536.58 (54.71)	0.00 0.00
1968-69	47433.65 (100.00)	20722.67 (43.69)	26710.98 (56.31)	0.00 0.00
1969-70	51988.72 (100.00)	23046.05 (44.33)	27603.67 (53.10)	1339.00 (2.57)
1970-71	55827.64 (100.00)	25248.24 (45.23)	28162.02 (50.44)	2417.38 (4.33)
1971-72	60925.63 (100.00)	28024.22 (46.00)	31712.09 (52.05)	1199.32 (1.95)
1972-73	64546.00 (100.00)	27195.95 (42.13)	36217.31 (56.11)	1132.74 (1.76)
1973-74	66689.03 (100.00)	28971.84 (43.45)	35320.83 (52.96)	2396.36 (3.59)
1974-75	70190.53 (100.00)	27875.18 (39.72)	40109.26 (57.14)	2206.09 (3.14)
1975-76	79230.92 (100.00)	33301.77 (42.03)	43302.64 (54.65)	2626.51 (3.32)
1976-77	88333.31 (100.00)	34836.13 (39.43)	50244.90 (56.89)	3252.28 (3.68)
1977-78	91369.03 (100.00)	38007.16 (41.60)	51089.70 (55.91)	2272.17 (2.49)
1978-79	102522.52 (100.00)	47158.96 (46.00)	52593.98 (51.30)	2769.68 (2.70)
1979-80	104627.26 (100.00)	45477.55 (43.47)	56273.12 (53.79)	2876.59 (2.75)

Note: Figures in brackets indicate % age to total generation.

TABLE NO III(Contd.)

GROSS ELECTRICITY GENERATION IN THE COUNTRY
PRIME MOVERWISE (UTILITIES ONLY) (GWH)

YEAR	TOTAL	HYDRO	THERMAL (including Diesel Wind, Gas & Steam)	NUCLEAR
1980-81	110843.96 (100.00)	46541.75 (41.99)	61300.86 (55.30)	3001.34 (2.71)
1981-82	122101.43 (100.00)	49564.93 (40.60)	69515.61 (56.93)	3020.89 (2.47)
1982-83	130263.58 (100.00)	48373.38 (37.13)	79868.26 (61.32)	2021.94 (1.55)
1983-84	140177.36 (100.00)	49954.27 (35.64)	86677.03 (61.83)	3546.06 (2.53)
1984-85	156859.38 (100.00)	53948.25 (34.39)	98836.30 (63.01)	4074.83 (2.60)
1985-86	170350.13 (100.00)	51020.78 (29.95)	114347.47 (67.12)	4981.88 (2.93)
1986-87	187713.99 (100.00)	53840.86 (28.68)	128851.39 (68.65)	5021.74 (2.67)
1987-88	202092.70 (100.00)	47444.37 (23.48)	149613.61 (74.03)	5034.72 (2.49)
1988-89	221396.13 (100.00)	57867.89 (26.14)	157711.13 (71.23)	5817.11 (2.63)
1989-90	245437.92 (100.00)	62116.09 (25.31)	178696.45 (72.81)	4625.38 (1.88)
1990-91	264328.61 (100.00)	71641.31 (27.11)	186546.20 (70.57)	6141.10 (2.32)
1991-92	287028.58 (100.00)	72757.09 (25.35)	208747.09 (72.73)	5524.40 (1.92)
1992-93	301361.72 (100.00)	69869.25 (23.19)	224766.18 (74.58)	6726.29 (2.23)
1993-94	324049.55 (100.00)	70462.63 (21.74)	248189.20 (76.59)	5397.72 (1.67)
1994-95	350490.36 (100.00)	82711.95 (23.60)	262130.19 (74.79)	5648.22 (1.61)
1995-96	379877.19 (100.00)	72579.19 (19.11)	299316.35 (78.79)	7981.65 (2.10)

Note:-Figures in brackets indicate % age to total generation.

TABLE NO.III (Contd.)

GROSS ELECTRICITY GENERATION IN THE COUNTRY
PRIME-MOVERWISE (UTILITIES ONLY)

EAR	TOTAL (H+T+N+W)	HYDRO (H)	THERMAL			NUCLEAR (N)	Sub- Total (H+T+N)	WIND (W)
			(T)	Steam	Gas			
1996-97	395889.45 (100.00)	68900.60 (17.40)	317041.87 (80.09)			9071.11 (2.29)	395013.75 (99.78)	875.67 (0.22)
			289378.32					
			26984.91					
			678.64					

TABLE NO. IV

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

ENERGY SALES (GWH)							
YEAR	TOTAL	DOMESTIC	COMMERCIAL	INDUSTRIAL	TRACTION	AGRICULTURE	OTHERS
1	2	3	4	5	6	7	8
1950	4150.66	524.59 (12.60)	303.75 (7.50)	2603.81 (62.60)	308.41 (7.40)	161.68 (3.90)	249.42 (6.00)
1951	4793.34	594.99 (12.40)	331.54 (6.90)	3054.67 (63.70)	329.60 (6.90)	203.04 (4.30)	279.50 (5.80)
1952	5005.68	628.88 (12.60)	336.63 (6.70)	3206.52 (64.00)	324.75 (6.50)	215.18 (4.30)	293.72 (5.90)
1953	5597.08	690.52 (12.30)	399.1 (7.10)	3613.22 (64.60)	358.32 (6.40)	214.12 (3.80)	321.90 (5.80)
1954	6252.50	759.16 (12.10)	446.15 (7.10)	4075.97 (65.20)	378.41 (6.10)	231.39 (3.70)	361.42 (5.80)
1955	7111.01	850.43 (12.00)	514.43 (7.20)	4698.00 (66.00)	403.31 (5.70)	254.79 (3.60)	389.75 (5.50)
1956-57	7959.34	934.11 (11.70)	545.84 (6.80)	5323.43 (66.90)	404.93 (5.10)	316.15 (4.00)	434.85 (5.50)
1957-58	9345.22	1093.62 (11.70)	609.81 (6.50)	6166.80 (66.00)	423.29 (4.50)	544.64 (6.00)	507.05 (5.40)
1958-59	10718.61	1238.03 (11.50)	682.81 (6.30)	7224.95 (67.50)	441.56 (4.10)	583.48 (5.50)	548.68 (5.10)
1959-60	12406.94	1378.54 (11.10)	766.17 (6.20)	8455.52 (68.20)	440.60 (3.60)	753.95 (6.10)	612.16 (4.80)
1960-61	13840.64	1492.29 (10.70)	847.74 (6.10)	9584.32 (69.40)	453.93 (3.30)	832.93 (6.00)	629.43 (4.50)
1961-62	16448.29	1698.08 (10.30)	934.69 (5.70)	11545.60 (70.20)	584.76 (3.60)	991.14 (6.00)	695.22 (4.20)
1962-63	18679.02	1917.85 (10.30)	1048.62 (5.60)	13104.81 (70.20)	723.84 (3.90)	1103.52 (5.90)	775.38 (4.10)
1963-64	21793.96	2062.41 (9.70)	1179.72 (5.50)	15841.84 (73.50)	755.58 (2.20)	1153.17 (5.40)	801.26 (3.70)
1964-65	24219.27	2246.21 (9.20)	1427.48 (5.90)	17378.58 (71.80)	898.33 (3.70)	1396.69 (5.80)	871.98 (3.60)
1965-66	26734.94	2355.15 (8.80)	1650.66 (6.20)	18875.87 (70.60)	1057.29 (4.00)	1891.84 (7.10)	904.73 (3.30)

Note: Figures in brackets indicate the % of total sales

TABLE NO IV
CONSUMPTION PATTERN IN THE COUNTRY IN DIFFERENT CATEGORIES (UTILITIES ONLY)

ENERGY SALES (GWH)							
YEAR	TOTAL	DOMESTIC	COMMERCIAL	INDUSTRIAL	TRACTION	AGRICULTURE	OTHERS
1	2	3	4	5	6	7	8
1966-67	29127.64	2626.72 (9.00)	1819.62 (6.20)	20390.80 (70.00)	1180.22 (4.10)	2106.5 (7.20)	1003.78 (3.50)
1967-68	32686.87	2927.97 (8.90)	1750.19 (5.40)	22852.24 (69.90)	1301.66 (4.00)	2585.25 (7.90)	1269.56 (3.90)
1968-69	37352.25	3184.19 (8.50)	2125.74 (5.70)	25891.23 (69.30)	1246.58 (3.30)	3465.44 (9.30)	1439.07 (3.90)
1969-70	41061.7	3491.00 (8.60)	2333.33 (5.70)	28370.66 (69.10)	1448.32 (3.50)	3774.11 (9.20)	1636.28 (3.90)
1970-71	43724.16	3839.76 (8.80)	2572.66 (5.90)	29579.10 (67.60)	1364.57 (3.20)	4470.23 (10.20)	1897.84 (4.30)
1971-72	47063.20	4107.46 (8.70)	2952.78 (6.30)	31637.18 (67.20)	1632.69 (3.50)	5005.62 (10.60)	1737.47 (3.70)
1972-73	49088.06	4309.01 (8.80)	2782.19 (5.70)	32244.21 (65.70)	1830.57 (3.70)	5918.10 (12.00)	2003.98 (4.10)
1973-74	50246.38	4644.55 (9.20)	2987.52 (6.00)	32481.38 (64.60)	1530.76 (3.00)	6310.21 (12.60)	2291.96 (4.60)
1974-75	52631.64	5172.79 (9.80)	3081.57 (5.90)	32690.28 (62.10)	1531.17 (2.90)	7762.73 (14.70)	2393.10 (4.60)
1975-76	60245.81	5821.35 (9.66)	3506.76 (5.82)	37568.12 (62.36)	1855.32 (3.08)	8721.06 (14.48)	2773.20 (4.60)
1976-77	66609.57	6336.56 (9.51)	4141.92 (6.22)	41605.63 (62.47)	2167.72 (3.25)	9620.63 (14.44)	2763.11 (4.11)
1977-78	69255.03	6521.31 (9.85)	4427.59 (6.39)	42635.20 (61.57)	2296.81 (3.32)	10107.36 (14.59)	2966.76 (4.28)
1978-79	77202.82	7575.66 (9.80)	4330.58 (5.60)	47727.70 (61.75)	2185.58 (2.83)	12027.85 (15.56)	3445.45 (4.46)
1979-80	78083.62	8402.23 (10.76)	4656.53 (5.95)	45955.45 (58.86)	2301.15 (2.95)	13452.00 (17.23)	3316.18 (4.25)

Note: Figures in brackets indicate the % of total sales.

TABLE NO IV
CONSUMPTION PATTERN IN THE COUNTRY IN DIFFERENT CATEGORIES (UTILITIES ONLY)

YEAR	ENERGY SALES (GWH)						
	TOTAL	DOMESTIC	COMMERCIAL	INDUSTRIAL	TRACTION	AGRICULTURE	OTHERS
	2	3	4	5	6	7	8
1980-81	82367.18	9246.43 (11.23)	4681.84 (5.68)	48009.35 (58.36)	2265.91 (2.75)	14489.03 (17.59)	3614.62 (4.39)
1981-82	90245.33	10439.62 (11.57)	5194.41 (5.76)	53063.79 (58.80)	2504.72 (2.78)	15201.16 (16.84)	3041.63 (4.25)
1982-83	95538.57	12091.63 (12.65)	5846.25 (6.12)	52967.36 (55.41)	2632.6 (2.75)	17816.84 (18.64)	4233.89 (4.43)
1983-84	102344.49	13234.51 (12.93)	6560.95 (6.41)	57094.47 (55.79)	2709.86 (2.65)	18233.63 (17.81)	4511.07 (4.41)
1984-85	114067.94	15505.72 (13.59)	6937.39 (6.08)	63019.33 (55.25)	2879.75 (2.52)	20960.44 (18.38)	4765.31 (4.18)
1985-86	122999.34	17257.83 (14.05)	7290.10 (5.93)	66980.06 (54.46)	3082.14 (2.51)	23421.97 (19.04)	4967.24 (4.03)
1986-87	135952.08	19323.13 (14.21)	7772.07 (5.72)	70296.87 (51.71)	3229.41 (2.37)	29443.96 (21.60)	5886.64 (4.33)
1987-88	145612.82	22119.81 (15.19)	8840.81 (6.07)	69180.10 (47.51)	3616.32 (2.48)	35266.55 (24.22)	6589.23 (4.53)
1988-89	160190.43	24767.67 (15.46)	9915.17 (6.19)	75411.04 (47.08)	3772.26 (2.35)	38878.37 (24.27)	7451.32 (4.65)
1989-90	175419	29576.75 (16.86)	9548.08 (5.44)	80694.32 (46.00)	4069.66 (2.32)	44055.91 (25.12)	7474.23 (4.26)
1990-91	190357.4	31982.37 (16.80)	11180.99 (5.87)	84208.96 (44.24)	4112.38 (2.16)	50321.40 (26.44)	8551.29 (4.49)
1991-92	207644.70	35853.70 (17.27)	12031.61 (5.79)	87288.57 (42.04)	4519.56 (2.18)	58557.17 (28.20)	9394.09 (4.52)
1992-93	220673.60	39717.08 (18.00)	12652.76 (5.73)	90169.55 (40.86)	5067.73 (2.30)	63327.79 (28.70)	9738.69
1993-94	238568.98	43343.66 (18.17)	14143.83 (5.93)	94533.24 (39.61)	5620.34 (2.35)	70699.48 (29.64)	10258.43 (4.30)
1994-95	259629.99	47915.57 (18.46)	15972.64 (6.15)	100125.00 (38.56)	5885.71 (2.27)	79300.94 (30.54)	10429.47 (4.02)
1995-96	277028.57	51733.25 (18.67)	16995.99 (6.13)	104693.13 (37.79)	6223.40 (2.25)	85732.15 (30.95)	9650.65 (4.21)
1996-97	280206.18	55266.54 (19.72)	17519.38 (6.25)	104184.65 (37.18)	6594.21 (2.35)	84013.95 (29.99)	12642.45 (4.51)

Note: Figures in brackets indicate the % of total sales.

TABLE NO V
NUMBER OF VILLAGES ELECTRIFIED T&D LINES AND PER
CAPITA CONSUMPTION IN THE COUNTRY.

Y E A R	No. of Villages Electrified **	Transmission & Distribution Lines(Ckt.Kms.)	Per capita Consumption (Utilities+Non Utilities) (KWH)
1950	N.A.	29271	15.60
1951	@ 3061	39064	17.80
1952	N.A.	42945	19.00
1953	N.A.	52504	20.90
1954	N.A.	58910	23.00
1955	N.A.	66421	25.70
1956	@ 7294	85427	26.40
1957-58	N.A.	101861	27.90
1958-59	N.A.	119936	30.70
1959-60	N.A.	132473	34.80
1960-61	21754	157887	37.90
1961-62	N.A.	169505	43.60
1962-63	N.A.	385739	48.50
1963-64	N.A.	413139	54.40
1964-65	N.A.	465680	57.50
1965-66	45148	541704	61.40
1966-67	54515	660859	66.20
1967-68	62540	717615	71.60
1968-69	73739	885301	77.90
1969-70	88831	976059	83.50
1970-71	104942	1117163	89.80
1971-72	122100	1304169	93.80
1972-73	129560	1418264	96.30
1973-74	56729	1546097	97.48
1974-75	73533	1621843	98.99
1975-76	85808	1718942	109.95
1976-77	202350	1850273	119.38
1977-78	216863	1999080	120.73
1978-79	232770	2145919	130.94
1979-80	249799	2351609	130.49
1980-81	272287	2522461	132.34
1981-82	296505	2693086	141.27
1982-83	323881	2865312	147.05
1983-84	347564	3002095	154.39
1984-85	370332	3211956	168.52
1985-86	390293	3371216	177.98
1986-87	414845	3572460	191.75
1987-88	435653	3792107	203.02
1988-89	455491	4042022	220.94
1989-90	476838	4407501	237.95
1990-91	481724	4533414	252.77
1991-92	487170	4574200	269.98
1992-93	490839	4725694	283.10
1993-94	494191	4878028	298.96
1994-95	497745	5018408	321.10
1995-96	501831	5089696	336.41
1996-97	\$ 498836	5140993	334.25

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

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

@ Figures ending March.

N.A.:Not Available. \$- As per 1991 Census.

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

SECTION- I

ORGANISATIONAL STRUCTURE OF ELECTRICITY SUPPLY INDUSTRY IN INDIA

During the year under review, the State Electricity Board of Orissa was restructured thus creating two new undertakings named Grid Power Corporation of Orissa Ltd. and Orissa Hydro Power Corporation Ltd. A new State Government Undertaking has been reported started operations in the State of Rajasthan in the name of Rajasthan State Power Corporation Ltd. Moreover Delhi Electric Supply Undertaking (DESU) under Municipal Corporation of Delhi was given the status of State Electricity Board and was renamed as Delhi Vidyut Board. The total number of State Electricity Boards remains at 18. The States of Goa, Sikkim, Arunachal Pradesh, Manipur, Nagaland, Tripura & Mizoram do not have the State Electricity Boards as on 31.3.97.

Two new private companies viz., G.V.K. Industries Ltd. and Spectrum Power Generating Ltd. have started operating in Andhra Pradesh. There were 51 private licensees (including cooperative societies) and three municipal licensees at the end of the 31st March, 1997. Out of 51 private licensees 36 were cooperative societies.

The various tables in this Section give a brief account of various utilities in the public as well as in the Private Sector responsible for electricity generation/transmission/ distribution in the country.

TABLE NO.1

NAME OF THE 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
<u>NORTHERN REGION</u>			
1.	Haryana	Haryana S.E.B., Panchkula	01.04.1967
2.	Himachal Pradesh	Himachal Pradesh S.E.B., Shimla	31.08.1971
3.	Jammu & Kashmir	Jammu & Kashmir S.E.B., Srinagar/Jammu	05.09.1972
4.	Punjab	Punjab S.E.B., Patiala	01.02.1959
5.	Rajasthan	Rajasthan S.E.B., Jaipur	01.07.1957
6.	Uttar Pradesh	Uttar Pradesh S.E.B., Lucknow	01.04.1959
7.	Delhi	Delhi Vidyut Board, Delhi	24.02.1997
<u>WESTERN REGION</u>			
8.	Gujarat	Gujarat Elec. Board, Vadodara	01.05.1960
9.	Madhya Pradesh	Madhya Pradesh E.B., Jabalpur	01.04.1957
10.	Maharashtra	Maharashtra S.E.B., Mumbai	20.06.1960
<u>SOUTHERN REGION</u>			
11.	Andhra Pradesh	Andhra Pradesh S.E.B., Hyderabad	01.04.1959
12.	Karnataka	Karnataka Elec. Board, Bangalore	30.09.1957
13.	Kerala	Kerala S.E.B. Thiruvananthapuram	31.03.1957
14.	Tamil Nadu	Tamil Nadu Elec. Board, Chennai	01.07.1957
<u>EASTERN REGION</u>			
15.	Bihar	Bihar State Elec. Board, Patna	01.04.1958
16.	West Bengal	West Bengal State Elec. Board, Calcutta	01.05.1956
<u>NORTH-EASTERN REGION</u>			
17.	Assam	Assam S.E.B., Guwahati	01.06.1958
18.	Meghalaya	Meghalaya S.E.B., Shillong	21.01.1975

S.E.B.: - State Electricity Board

NAMES OF GENERATING COMPANIES, POWER CORPORATIONS, MANAGEMENT BOARDS UNDER CENTRAL OR JOINT STATE PARTNERSHIP FOR MEETING REGIONAL POWER REQUIREMENTS AND ELECTRICITY DEPARTMENTS OF GOVERNMENTS OF VARIOUS STATES/UNION TERRITORIES EXISTING AS ON 31.3.1997.

Sl. No.	Name	Location of Head Quarters	Ownership
(A)	<u>GENERATING UNDERTAKINGS</u>		
1.	National Thermal Power Corpn.Ltd.	New Delhi	Central Government
2.	National Hydro Electric Power Corpn. Ltd	New Delhi	Central Government
3.	North Eastern Electric Power Corpn. Ltd.	Shillong	Central Government
4.	Nuclear Power Corporation	Mumbai	Central Government
5.	Neyveli Lignite Corporation Ltd.	Neyveli	Central Government
6.	Damodar Valley Corporation.	Calcutta	Central Government
7.	Karnataka Power Corporation Ltd	Bangalore	Karnataka Govt.
8.	Bhakra Beas Management Board	Chandigarh	Punjab, Haryana & Rajasthan
9.	Pench Hydel Power Station	Totladoh	M.P.& Maharashtra
10.	Durgapur Projects Ltd.	Durgapur	West Bengal
11.	Machkund Hydro Electric Project**	Vishakapatnam	Andhra Pradesh/ Orissa Govt.
12.	Tungabhadra Hydro Electric Scheme Tungabhadra Board.	Ballary Distt. (Karnataka)	Andhra Pradesh/ Karnataka Govts
13.	Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.*	Lucknow	U.P.Government
14.	Gujarat Energy Development Agency	Vadodara	Gujarat
15.	West Bengal Power Development Corpn.	Calcutta	West Bengal Govt.
16.	Orissa Power Generation Corpn. Ltd.	Bhubaneshwar	Orissa Govt.
17.	Power Grid Corpn. of India Ltd.*	New Delhi	Central Govt.
18.	A.P Gas Power Corporation	Hyderabad	Joint venture of A.P.S.E.B. Public Sector & Pvt. Industrie
19.	Bihar Hydro Power Corporation	Patna	Bihar Government
20.	Tenughat Vidyut Nigam Ltd.	Patna	Bihar Government
21.	Irrigation Department	Bhandardara	Maharashtra Govt.
22.	Rajasthan State Power Corporation Ltd.	Jaipur	Rajasthan Govt.
23.	Grid Corpn. of Orissa Ltd.(GRIDCO)	Bhubaneshwar	Orissa Government.
24.	Orissa Hydro Power Corpn. Ltd.	Bhubaneshwar	Orissa Government.

TABLE NO.2 (Contd.)

Sl. No.	Name	Location of Head Quarters	Ownership
(B) STATE ELECTRICITY DEPARTMENTS			
1.	Goa	Panaji	State Government
2.	Sikkim	Gangtok	State Government
3.	Manipur	Imphal	State Government
4.	Nagaland	Kohima	State Government
5.	Tripura	Agartala	State Government
6.	Arunachal Pradesh	Itanagar	State Government
7.	Mizoram	Aizawal	State Government
(C) UNION TERRITORIES			
1.	Andaman & Nicobar Islands	Port Blair	!
2.	Chandigarh	Chandigarh	!
3.	Dadra & Nagar Haveli*	Silvassa	! Departments
4.	Daman & Diu*	Moti (Daman)	! of Union
5.	Lakshadweep	Cochin	!
6.	Pondicherry*	Pondicherry	!

* Non-generating Undertakings.

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

Table No.3

CLASSIFICATION OF LICENSEE UNDERTAKINGS-AS ON 31.3.1997

S.NO.	Region/State	No. of Companies & Co-operatives			
		Generating & Distributing	Generating Purchasing & Distributing	Purchasing Distributing	Total
(A) NORTHERN REGION					
1.	Jammu & Kashmir	0	0	1	1
2.	Rajasthan	0	0	1	1
3.	Uttar Pradesh	0	0	2	2
TOTAL Northern Regio		0	0	4	4
(B) WESTERN REGION					
1.	Gujarat	1	3	0	4
2.	Madhya Pradesh	0	0	17	17
3.	Maharashtra	0	2	1	3
TOTAL Western Regio		1	5	18	24
(C) SOUTHERN REGION					
1.	Andhra Pradesh	0	2	9	11
2.	Karnataka	1	0	1	2
3.	Kerala	0	0	1	1
4.	Tamil Nadu	0	0	3	3
TOTAL Southern Regi		1	2	14	17
(D) EASTERN REGION					
1.	Bihar	0	0	1	1
2.	Orissa	0	0	0	0
3.	West Bengal	0	4	1	5
TOTAL Eastern Regio		0	4	2	6
(E) NORTH -EASTERN REGION					
TOTAL Eastern Regio		0	0	0	0
Total (ALL INDIA)		2	11	38	51

Table No.4

CLASSIFICATION OF MUNICIPAL UNDERTAKINGS - AS ON 31.3.1997.

S.NO.	Region/State	Number of Municipalities			Total
		Generating & Distributing	Generating, Purchasing & Distributing	Purchasing & Distributing	
(A) NORTHERN					
1.	Delhi	0	0	1	1
TOTAL Northern Region		0	0	1	1
(B) WESTERN					
2.	Maharashtra	0	0	1	1
TOTAL Western Region		0	0	1	1
(C) SOUTHERN					
1.	Kerala	0	0	1	1
2.	Tamil Nadu	0	0	0	0
TOTAL Southern Region		0	0	1	1
(D)	EASTERN	0	0	0	0
(E)	NORTH EASTERN REGI	0	0	0	0
Total (ALL INDIA)		0	0	3	3

TABLE NO.5

ACQUISITION OF ELECTRICITY SUPPLY UNDERTAKINGS DURING 1996-97

Sl.No.	Name of the Undertaking	Prior Ownership	By whom acquired
	NIL	NIL	NIL

TABLE NO.6

NEW ELECTRICITY SUPPLY UNDERTAKING STARTED OPERATING DURING THE YEAR 1996-97

Sl.No.	Name and address of new Undertaking	State	Date from which Licence/sanction is effective
<u>STATE GOVT. UNDERTAKING</u>			
1.	Grid Corporation of Orissa Ltd. (GRIDCO)	orissa	1996-97
2.	Orissa Hydro Power Corporation Ltd.	orissa	1996-97
3.	Rajasthan State Power Corporation Ltd.	Rajasthan	1995-96
<u>PRIVATE SECTOR</u>			
1.	GVK Industries Ltd.	Andhra Prades	1996-97
2.	SPECTRUM POWER GENERATION LTD.	Andhra Prades	1996-97

GENERATING CAPACITY (UTILITIES)

Section-II

Installed Generating Capacity

Utilities

Installed generating capacity under public utilities in the country increase to 85795.37 MW as on 31.3.97 as compared to 83293.52 MW as on 31st March, 1996 registering an increase of 3.00% over the previous year.

After taking into account retirements of 15.00 MW capacity of old generating sets during the year , the net addition in generating capacity amounted to 2501.85MW including additions in small hydro, diesel and wind power stations.

Generating capacity of steam stations continued to form the largest portion of the installed generating capacity followed by hydro, gas, nuclear and diesel generating stations. The relating percentage of generating capacity of steam, hydro, gas, nuclear and diesel generating stations were 63.12%, 25.24%, 7.65%, 2.59%, & 1.39%.

There were 81 steam stations and 303 hydro stations having 372 and 917 generating sets with total capacity of 54154.48 MW and 21658.08 MW respectively as on 31.3.97.

Sectorwise breakup of Installed Generating Capacity as on 31.3.97 is given below:-

	Central Sector	State Sector	Private Sector	All India
Hydro	2509.11	18693.07	456.00	21658.08
Steam	18847.50	32505.60	2801.38	54154.48
Diesel	0.00	293.56	0.34	293.50
Wind	0.00	48.80	853.21	902.01
Gas	3465.00	2195.50	901.40	6561.90
Nuclear	2225.00	0.00	0.00	2225.00
Total	27046.51	53736.53	5012.33	85795.37

The various tables in this section give the detailed salient features of the Installed generating capacity in the country as on 31st March, 1997.

TABLE No.7

ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES AND NON-UTILITIES)
PRIMEOVERWISE-AS ON 31ST MARCH, 1997.

Category	Year ending	Installed Generating Capacity (MW)					
		Total	Hydro	Steam	Diesel & Wind	Gas	Nuclear
Utilities	31.3.97	85795.37	21658.08	54154.48	1195.91	6561.90	2225.00
	31.3.96	83293.52	20985.58	53479.48	335.46	6268.00	2225.00
	% increase	3.00	3.20	1.26	256.50	4.69	0.00
Non-Utilities							
I. Selected Industries*	31.3.97	11916.31	3.50	6151.69	4594.74	1166.38	0.00
	31.3.96	11628.98	3.50	6305.30	4364.77	955.41	0.00
	%increase	2.47	0.00	-2.44	5.27	22.08	0.00
II. Railways	31.3.97	162.62	0.00	18.96	143.66	0.00	0.00
	31.3.96	158.17	0.00	18.96	139.21	0.00	0.00
	%increase	2.81	0.00	0.00	3.20	0.00	0.00
Total	31.3.97	12078.93	3.50	6170.65	4738.40	1166.38	0.00
Non-Utilities (I & II)	31.3.96	11787.15	3.50	6324.26	4503.98	955.41	0.00
	%increase	2.48	0.00	-2.43	5.20	22.08	0.00
All India							
Capacity	31.3.97	97874.30	21661.58	60325.13	5934.31	7728.28	2225.00
(Utilities+ Non-Utilities)	31.3.96	95080.67	20989.08	59803.74	4839.44	7223.41	2225.00
	%increase	2.94	3.20	0.87	22.62	6.99	0.00

* Industries having captive plant capacity of 1.00 MW and above.

ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEMOVERWISE AS ON 31.3.1997

S NO	Type of Primemover and Ownership	Installed Plant Capacity		
		Total (MW)	% of all India Total Capacity	% increase over previous year
I	HYDRO			
	PUBLIC SECTOR			
a)	State Electricity Boards	14954.06	17.43	(-13.81)
b)	Electricity Deptts /Govt Undertakings/Corporations/ Central Govt. Sector	6248.02	7.28	25.07
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	21202.08	24.71	3.22
	PRIVATE SECTOR			
d)	Companies	456.00	0.53	2.70
	Total (Hydro)	21658.08	25.24	3.20
II	STEAM			
	PUBLIC SECTOR			
a)	State Electricity Boards	29170.60	34.00	2.22
b)	Electricity Deptts /Govt Undertakings/Corporations/ Central Govt. Sector	22182.50	25.85	1.93
c)	Municipalities	0.00	0.00	(-100.00)
	Sub-total Public Sector	51353.10	59.85	1.29
	PRIVATE SECTOR			
	Companies	2801.38	3.27	0.72
	Total (Steam)	54154.48	63.12	1.26
III	DIESEL & WIND			
	PUBLIC SECTOR			
a)	State Electricity Boards	231.92	0.27	3.84
b)	Electricity Deptts /Govt Undertakings/Corporations/ Central Govt. Sector	110.44	0.13	0.53
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	342.36	0.40	2.55
	PRIVATE SECTOR			
	Companies	853.55	0.99	33897.41
d)	Total (Diesel & Wind)	1195.91	1.39	2.77

Table No. 8 (Contd.)

**ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEMOVERWISE AS ON 31.3.1997**

S.NO.	Type of Primemover and Ownership	Installed Plant Capacity		
		Total (MW)	% of all India Total capacity	% increase over previous year
IV	GAS			
	Public Sector			
a)	State Electricity Boards	2040.00	2.38	16.04
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt. Sector	3620.50	4.22	1.16
c)	Municipalities	0.00	0.00	(-)100.00
	Sub-Total Public Sector	5660.50	6.60	0.74
	Private Sector			
d)	Companies	901.40	1.05	38.89
	Total (Gas)	6561.90	7.65	4.68
V	NUCLEAR			
	Public Sector			
a)	State Electricity Boards	0.00	0.00	0.00
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt. Sector	2225.00	2.59	0.00
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	2225.00	2.59	0.00
	Private Sector			
	Companies	0.00	0.00	0.00
	Total (Nuclear)	2225.00	2.59	0.00
VI	GRAND TOTAL (I+II+III+IV+V)			
	Public Sector			
a)	State Electricity Boards	46396.58	54.08	0.66
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt. Sector	34386.46	40.08	5.25
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	80783.04	94.16	1.72
	Private Sector			
d)	Companies	5012.33	5.84	29.31
	Total(All India)	85795.37	100.00	3.00

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE AS ON 31ST MARCH 1997 (M)

Region	State/U.Ts.	TOTAL CAPACITY		% increase
		31.3.96	31.3.97	
NORTHERN REGION	Haryana	1780.32	1780.32	0.00
	Himachal Pradesh	289.00	299.50	3.63
	Jammu & Kashmir	365.82	365.82	0.00
	Punjab	3508.94	3508.94	0.00
	Rajasthan	1984.58	1984.58	0.00
	Uttar Pradesh	6068.75	6058.75	-0.16
	Chandigarh	2.00	2.00	0.00
	Delhi	653.60	653.60	0.00
	Central Sector	9287.00	9767.00	5.17
	Sub-Total	23940.01	24420.51	2.01
WESTERN REGION	Gujarat	5328.58	5457.29	2.42
	Madhya Pradesh	3863.61	3873.20	0.25
	Maharashtra	10027.22	10037.59	0.10
	Goa	0.16	0.16	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	5512.00	5512.00	0.00
		Sub-Total	24731.57	24880.24
SOUTHERN REGION	Andhra Pradesh	5210.44	5765.13	10.65
	Karnataka	3379.47	3385.32	0.17
	Kerala	1491.50	1565.52	4.96
	Tamil Nadu	5067.05	5722.57	12.94
	Lakshadweep	6.92	6.92	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	4640.00	4640.00	0.00
	Sub-Total	19795.38	21085.46	6.52
EASTERN REGION	Bihar	1768.40	1983.40	12.16
	Orissa	1691.92	1693.02	0.07
	West Bengal	3575.39	3595.39	0.56
	D.V.C.	2451.50	2661.50	8.57
	A & N Islands	28.33	28.33	0.00
	Sikkim	35.59	35.59	0.00
	Central Sector	3910.00	3910.00	0.00
	Sub-Total	13461.13	13907.23	3.31
NORTH EASTERN REGION	Assam	597.19	597.19	0.00
	Manipur	12.01	12.01	0.00
	Meghalaya	193.76	188.76	-2.58
	Nagaland	5.50	5.50	0.00
	Tripura	69.36	77.36	11.53
	Arunachal Pradesh	39.43	39.43	0.00
	Mizoram	25.67	25.67	0.00
	Central Sector	422.51	556.01	31.60
	Sub-Total	1365.43	1501.93	10.00
	Total (All India)	83293.52	85795.37	3.00

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

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE AS ON 31ST MARCH 1997 (IN MW)

		PUBLIC SECTOR STATE ELECTRICITY BOARDS		
Region	State/U Ts.	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	1780.32	1780.32	0.00
	Himachal Pradesh	289.00	299.50	3.63
	Jammu & Kashmir	365.82	365.82	0.00
	Punjab	3508.94	3508.94	0.00
	Rajasthan	1984.58	1984.58	0.00
	Uttar Pradesh	6068.75	6058.75	-0.16
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	653.60	0.00
	Central Sector	0.00	0.00	0.00
		13997.41	14651.51	4.67
WESTERN REGION	Gujarat	4432.48	4432.48	0.00
	Madhya Pradesh	3863.61	3864.20	0.02
	Maharashtra	7731.22	7740.82	0.12
	Goa	0.00	0.00	0.00
	D & N Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	16027.31	16037.50	0.06
SOUTHERN REGION	Andhra Pradesh	4973.51	5224.56	5.05
	Karnataka	334.12	334.12	0.00
	Kerala	1491.50	1553.52	4.16
	Tamil Nadu	5067.05	5067.05	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	11866.18	12179.25	2.64
EASTERN REGION	Bihar	1543.50	1543.50	0.00
	Orissa	667.50	0.00	-100.00
	West Bengal	1198.87	1198.87	0.00
	D V C	0.00	0.00	0.00
	A & N Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	3409.87	2742.37	-19.58
NORTH EASTERN REGION	Assam	597.19	597.19	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	193.76	188.76	-2.58
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	790.95	785.95	-0.63
	Total (All India)	46091.72	46396.58	0.66

(IN MW)

PUBLIC SECTOR				
Region	State/U.Ts.	ELECTRICITY DEPTTS/ GOVT. UNDERTAKINGS		
		31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	2.00	2.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	9287.00	9767.00	5.17
	Sub-Total	9289.00	9769.00	5.17
WESTERN REGION	Gujarat	15.30	15.30	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	40.00	40.00	0.00
	Goa	0.16	0.16	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	5512.00	5512.00	0.00
		Sub-Total	5567.46	5567.46
SOUTHERN REGION	Andhra Pradesh	236.93	236.93	0.00
	Karnataka	3027.35	3027.93	0.02
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	6.92	6.92	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	4640.00	4640.00	0.00
		Sub-Total	7911.20	7911.78
EASTERN REGION	Bihar	224.90	439.90	95.60
	Orissa	1024.42	1691.92	65.16
	West Bengal	1655.00	1655.00	0.00
	D.V.C.	2451.50	2661.50	8.57
	A. & N. Islands	28.33	28.33	0.00
	Sikkim	35.59	35.59	0.00
	Central Sector	3910.00	3910.00	0.00
		Sub-Total	9329.74	10422.24
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	12.01	12.01	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	5.50	5.50	0.00
	Tripura	69.36	77.36	11.53
	Arunachal Pradesh	39.43	39.43	0.00
	Mizoram	25.67	25.67	0.00
	Central Sector	422.51	556.01	31.60
	Sub-Total	574.48	715.98	24.63

(IN MW)

		PUBLIC SECTOR MUNICIPALITIES		
Region	State/U Ts	31 3 96	31 3 97	% increase
NORTHERN REGION	Haryana	0 00	0 00	0 00
	Himachal Pradesh	0 00	0 00	0 00
	Jammu & Kashmir	0 00	0 00	0 00
	Punjab	0 00	0 00	0 00
	Rajasthan	0 00	0 00	0 00
	Uttar Pradesh	0 00	0 00	0 00
	Chandigarh	0 00	0 00	0 00
	Delhi	653 60	0 00	0 00
	Central Sector	0 00	0 00	0 00
	Sub-Total	653 60	0 00	0 00
WESTERN REGION	Gujarat	0 00	0 00	0 00
	Madhya Pradesh	0 00	0 00	0 00
	Maharashtra	0 00	0 00	0 00
	Goa	0 00	0 00	0 00
	D. & N Haveli	0 00	0 00	0 00
	Daman & Diu	0 00	0 00	0 00
	Central Sector	0 00	0 00	0 00
	Sub-Total	0 00	0 00	0 00
SOUTHERN REGION	Andhra Pradesh	0 00	0 00	0 00
	Karnataka	0 00	0 00	0 00
	Kerala	0 00	0 00	0 00
	Tamil Nadu	0 00	0 00	0 00
	Lakshadweep	0 00	0 00	0 00
	Pondicherry	0 00	0 00	0 00
	Central Sector	0 00	0 00	0 00
	Sub-Total	0 00	0 00	0 00
EASTERN REGION	Bihar	0 00	0 00	0 00
	Orissa	0 00	0 00	0 00
	West Bengal	0 00	0 00	0 00
	D.V.C.	0 00	0 00	0 00
	A & N Islands	0 00	0 00	0 00
	Sikkim	0 00	0 00	0 00
	Central Sector	0 00	0 00	0 00
	Sub-Total	0 00	0 00	0 00
NORTH EASTERN REGION	Assam	0 00	0 00	0 00
	Manipur	0 00	0 00	0 00
	Meghalaya	0 00	0 00	0 00
	Nagaland	0 00	0 00	0 00
	Tripura	0 00	0 00	0 00
	Arunachal Pradesh	0 00	0 00	0 00
	Mizoram	0 00	0 00	0 00
	Central Sector	0 00	0 00	0 00
	Sub-Total	0 00	0 00	0 00
	Total (All India)	653 60	0 00	0 00

(IN MW)

Region	State/U. Ts.	PRIVATE SECTOR		% increase
		31.3.96	31.3.97	
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	880.80	1009.51	14.61
	Madhya Pradesh	0.00	9.00	0.00
	Maharashtra	2256.00	2256.77	0.03
	Goa	0.00	0.00	0.00
	D & N Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	3136.80	3275.28	4.41
SOUTHERN REGION	Andhra Pradesh	0.00	303.64	0.00
	Karnataka	18.00	23.27	29.28
	Kerala	0.00	12.00	0.00
	Tamil Nadu	0.00	655.52	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	18.00	994.43	5424.61
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	1.10	0.00
	West Bengal	721.52	741.52	2.77
	D.V.C.	0.00	0.00	0.00
	A & N Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	721.52	742.62	2.92
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	3876.32	5010.35	29.31

TABLE NO.11
 INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
 PRIMEMOVERWISE/ REGIONWISE/STATEWISE AS ON 31st MARCH 1997 (IN MW)

Region	State/U Ts	HYDRO		% increase
		31 3.96	31 3.97	
NORTHERN REGION	Haryana	883.90	883.90	0.00
	Himachal Pradesh	288.87	299.37	3.63
	Jammu & Kashmir	184.06	184.06	0.00
	Punjab	1798.94	1798.94	0.00
	Rajasthan	971.08	971.08	0.00
	Uttar Pradesh	1504.75	1504.75	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	1530.00	2010.00	31.37
	Sub-Total	7161.60	7652.10	6.85
WESTERN REGION	Gujarat	487.00	487.00	0.00
	Madhya Pradesh	846.11	846.11	0.00
	Maharashtra	1780.22	1785.22	0.28
	Goa	0.05	0.05	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	3113.38	3118.38
SOUTHERN REGION	Andhra Pradesh	2656.94	2656.94	0.00
	Karnataka	2409.55	2409.55	0.00
	Kerala	1491.50	1563.50	4.83
	Tamil Nadu	1947.70	1947.70	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	8505.69	8577.69	0.85
EASTERN REGION	Bihar	164.90	169.90	3.03
	Orissa	1271.92	1271.92	0.00
	West Bengal	96.51	96.51	0.00
	D.V.C	144.00	144.00	0.00
	A & N. Islands	0.00	0.00	0.00
	Sikkim	32.89	32.89	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	1710.22	1715.22	0.29
NORTH EASTERN REGION	Assam	2.00	2.00	0.00
	Manipur	2.60	2.60	0.00
	Meghalaya	186.71	186.71	0.00
	Nagaland	3.50	3.50	0.00
	Tripura	16.01	16.01	0.00
	Arunachal Pradesh	23.55	23.55	0.00
	Mizoram	5.31	5.31	0.00
	Central Sector	255.01	355.01	39.21
	Sub-Total	494.69	594.69	20.21
	Total (All India)	20985.58	21658.08	3.20

(IN MW)

Region	State/U.Ts.	S T E A M		
		31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	892.50	892.50	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	1710.00	1710.00	0.00
	Rajasthan	975.00	975.00	0.00
	Uttar Pradesh	4564.00	4554.00	-0.22
	Chandigarh	0.00	0.00	0.00
	Delhi	371.60	371.60	0.00
	Central Sector	4980.00	4980.00	0.00
	Sub-Total	13493.10	13483.10	-0.07
WESTERN REGION	Gujarat	4179.00	4179.00	0.00
	Madhya Pradesh	3017.50	3017.50	0.00
	Maharashtra	7155.00	7155.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	3360.00	3360.00	0.00
		Sub-Total	17711.50	17711.50
SOUTHERN REGION	Andhra Pradesh	2452.50	2702.50	10.19
	Karnataka	840.00	840.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	2970.00	2970.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	4170.00	4170.00	0.00
		Sub-Total	10432.50	10682.50
EASTERN REGION	Bihar	1603.50	1813.50	13.10
	Orissa	420.00	420.00	0.00
	West Bengal	3356.38	3376.38	0.60
	D.V.C.	2217.50	2427.50	9.47
	A & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	3910.00	3910.00	0.00
		Sub-Total	11507.38	11947.38
NORTH EASTERN REGION	Assam	330.00	330.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	5.00	0.00	-100.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	335.00	330.00	-1.49
	Total (All India)	53479.48	54154.48	1.26

TABLE No.11(Contd.)

(IN MW)

Region	State/U. Ts.	DIESEL		% increase
		31.3.96	31.3.97	
NORTHERN REGION	Haryana	3.92	3.92	0.00
	Himachal Pradesh	0.13	0.13	0.00
	Jammu & Kashmir	6.76	6.76	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	2.00	2.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	12.81	12.81	0.00
WESTERN REGION	Gujarat	17.48	17.48	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	17.48	17.48	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	127.92	127.92	1.56
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	6.92	6.92	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	134.84	134.84	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	22.50	22.50	0.00
	D.V.C.	0.00	0.00	0.00
	A & N. Islands	28.33	28.33	0.00
	Sikkim	2.70	2.70	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	53.53	53.53	0.00
NORTH EASTERN REGION	Assam	20.69	20.69	0.00
	Manipur	9.41	9.41	0.00
	Meghalaya	2.05	2.05	0.00
	Nagaland	2.00	2.00	0.00
	Tripura	4.85	4.85	0.00
	Arunachal Pradesh	15.88	15.88	0.00
	Mizoram	20.36	20.36	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	75.24	75.24	0.00
	Total (All India)	293.90	293.90	0.00

Region	State/U.Ts.	WIND		
		31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	18.10	146.81	711.10
	Madhya Pradesh	0.00	9.59	0.00
	Maharashtra	0.00	5.37	0.00
	Goa	0.11	0.11	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	18.21	161.88
SOUTHERN REGION	Andhra Pradesh	2.00	54.29	2614.50
	Karnataka	2.00	7.85	292.50
	Kerala	0.00	2.02	0.00
	Tamil Nadu	19.35	674.87	3387.70
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	23.35	739.03	3065.01
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	1.10	0.00
	West Bengal	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	1.10	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	41.56	902.01	2070.38

TABLE No.11(Contd.)

(IN MW)

Region	State/U.Ts.	G A S		
		31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	175.00	175.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	38.50	38.50	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	282.00	282.00	0.00
Central Sector	1882.00	1882.00	0.00	
	Sub-Total	2377.50	2377.50	0.00
WESTERN REGION	Gujarat	627.00	627.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	1092.00	1092.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	1292.00	1292.00	0.00
	Sub-Total	3011.00	3011.00	0.00
SOUTHERN REGION	Andhra Pradesh	99.00	351.40	254.95
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	130.00	130.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	
	Sub-Total	229.00	481.40	110.22
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	100.00	100.00	0.00
	D.V.C.	90.00	90.00	0.00
	A & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	190.00	190.00	0.00
NORTH EASTERN REGION	Assam	244.50	244.50	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	48.50	56.50	16.49
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	167.50	201.00	20.00
	Sub-Total	460.50	502.00	9.01
	Total (All India)	6268.00	6561.90	4.69

TABLE No.11(Contd.)

(IN MW)

		NUCLEAR		
Region	State/U.Ts.	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	895.00	895.00	0.00
	Sub-Total	895.00	895.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	860.00	860.00	0.00
	Sub-Total	860.00	860.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	470.00	470.00	0.00
	Sub-Total	470.00	470.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	2225.00	2225.00	0.00

Table No.12

INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEMOVERWISE AS ON '31st MARCH, 1997.

(IN MW)

		HYDRO		
Region	BOARDS	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	883.90	883.90	0.00
	Himachal Pradesh	288.87	299.37	3.63
	Jammu & Kashmir	184.06	184.06	0.00
	Punjab	1798.94	1798.94	0.00
	Rajasthan	971.08	971.08	0.00
	Uttar Pradesh	1504.75	1504.75	0.00
	Delhi	0.00	0.00	0.00
		Sub-Total	5631.60	5642.10
WESTERN REGION	Gujarat	487.00	487.00	0.00
	Madhya Pradesh	846.11	846.11	0.00
	Maharashtra	1314.22	1319.22	0.38
	Sub-Total	2647.33	2652.33	0.19
SOUTHERN REGION	Andhra Pradesh	2519.01	2519.01	0.00
	Karnataka	206.20	206.20	0.00
	Kerala	1491.50	1551.50	4.02
	Tamil Nadu	1947.70	1947.70	0.00
	Sub-Total	6164.41	6224.41	0.97
EASTERN REGION	Bihar	150.00	150.00	0.00
	Orissa	667.50	0.00	-100.00
	West Bengal	96.51	96.51	0.00
	Sub-Total	914.01	246.51	-73.03
NORTH EASTERN REGION	Assam	2.00	2.00	0.00
	Meghalaya	186.71	186.71	0.00
	Sub-Total	188.71	188.71	0.00
Total (All Boards)		15546.06	14954.06	-3.81

Contd...

INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEMOVERWISE 31st MARCH, 1997.

(IN MW)

		S T E A M		
REGION	BOARDS	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	892.50	892.50	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	1710.00	1710.00	0.00
	Rajasthan	975.00	975.00	0.00
	Uttar Pradesh	4564.00	4554.00	-0.22
	Delhi	0.00	371.60	0.00
	Sub-Total	8141.50	8503.10	4.44
WESTERN REGION	Gujarat	3729.00	3729.00	0.00
	Madhya Pradesh	3017.50	3017.50	0.00
	Maharashtra	5505.00	5505.00	0.00
	Sub-Total	12251.50	12251.50	0.00
SOUTHERN REGION	Andhra Pradesh	2452.50	2702.50	10.19
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	2970.00	2970.00	0.00
	Sub-Total	5422.50	5672.50	4.61
EASTERN REGION	Bihar	1393.50	1393.50	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	1020.00	1020.00	0.00
	Sub-Total	2413.50	2413.50	0.00
NORTH EASTERN REGION	Assam	330.00	330.00	0.00
	Meghalaya	5.00	0.00	-100.00
	Sub-Total	335.00	330.00	-1.49
	Total (All Boards)	28564.00	29170.60	2.12

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TABLE No.12 (Contd.)

**INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEMOVERWISE AS ON 31st MARCH 1997.**

		D I E S E L		
REGION	BOARDS	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	3.92	3.92	0.00
	Himachal Pradesh	0.13	0.13	0.00
	Jammu & Kashmir	6.76	6.76	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	10.81	10.81	0.00
WESTERN REGION	Gujarat	17.28	17.28	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Sub-Total	17.28	17.28	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	127.92	127.92	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Sub-Total	127.92	127.92	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	22.36	22.36	0.00
	Sub-Total	22.36	22.36	0.00
NORTH EASTERN	Assam	20.69	20.69	0.00
	Meghalaya	2.05	2.05	0.00
	Sub-Total	22.74	22.74	0.00
	Total (All India)	201.11	201.11	0.00

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TABLE No. 12 (Contd.)

INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEMOVERWISE AS ON 31st MARCH 1997.

REGION	BOARDS	WIND		
		31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	1.20	1.20	0.00
	Madhya Pradesh	0.00	0.59	0.00
	Maharashtra	0.00	4.60	0.00
	Sub-Total	1.20	6.39	432.50
SOUTHERN REGION	Andhra Pradesh	2.00	3.05	52.50
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	2.02	0.00
	Tamil Nadu	19.35	19.35	0.00
	Sub-Total	21.35	24.42	14.38
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
Sub-Total		0.00	0.00	0.00
Total (All India)		22.55	30.81	36.63

Contd...

TABLE No.12 (Contd.)

INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEMOVERWISE AS ON 31st MARCH,1997

(IN MW)

		G A S		
REGION	BOARDS	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	175.00	175.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	38.50	38.50	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Delhi	0.00	282.00	0.00
	Sub-Total	213.50	495.50	132.08
WESTERN REGION	Gujarat	198.00	198.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	912.00	912.00	0.00
	Sub-Total	1110.00	1110.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	130.00	130.00	0.00
	Sub-Total	130.00	130.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	60.00	60.00	0.00
	Sub-Total	60.00	60.00	0.00
NORTH EASTERN REGION	Assam	244.50	244.50	0.00
	Meghalaya	0.00	0.00	0.00
	Sub-Total	244.50	244.50	0.00
	Total (All Boards)	1758.00	2040.00	16.04

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INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARD
PRIMEMOVERWISE AS ON 31ST MARCH, 1997.

(IN MW)

		TOTAL		
REGION	BOARDS	31.3.96	31.3.97	% increase
NORTHERN REGION	Haryana	1780.32	1780.32	0.00
	Himachal Pradesh	289.00	299.50	3.63
	Jammu & Kashmir	365.82	365.82	0.00
	Punjab	3508.94	3508.94	0.00
	Rajasthan	1984.58	1984.58	0.00
	Uttar Pradesh	6068.75	6058.75	-0.16
	Delhi	0.00	653.60	0.00
	Sub-Total	13997.41	14651.51	4.67
WESTERN REGION	Gujarat	4432.48	4432.48	0.00
	Madhya Pradesh	3863.61	3864.20	0.02
	Maharashtra	7731.22	7740.82	0.12
	Sub-Total	16027.31	16037.50	0.06
SOUTHERN REGION	Andhra Pradesh	4973.51	5224.56	0.00
	Karnataka	334.12	334.12	0.00
	Kerala	1491.50	1553.52	4.16
	Tamil Nadu	5067.05	5067.05	0.00
	Sub-Total	11866.18	12179.25	2.64
EASTERN REGION	Bihar	1543.50	1543.50	0.00
	Orissa	667.50	0.00	-100.00
	West Bengal	1198.87	1198.87	0.00
	Sub-Total	3409.87	2742.37	-19.58
NORTH EASTERN REGION	Assam	597.19	597.19	0.00
	Meghalaya	193.76	188.76	-2.58
		0.00	0.00	0.00
	Sub-Total	790.95	785.95	-0.63
Total (All Boards)		46091.72	46396.58	0.66

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Table No.13
**INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
 GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
 PRIMEMOVERWISE/REGIONWISE AS 31.3.97**
 (IN MW)

REGION	OWNERSHIP	TOTAL		
		31.3.96	31.3.97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Chandigarh	2.00	2.00	0.00
	Central Sector	9287.00	9767.00	5.17
WESTERN REGION	Gujarat	15.30	15.30	0.00
	Maharashtra	40.00	40.00	0.00
	Goa	0.16	0.16	0.00
	Central Sector	5512.00	5512.00	0.00
SOUTHERN REGION	Andhra Pradesh	236.93	236.93	0.00
	Karnataka	3027.35	3027.93	0.02
	Lakshadweep	6.92	6.92	0.00
	Central Sector	4640.00	4640.00	0.00
EASTERN REGION	Bihar	224.90	439.90	95.60
	Orissa	1024.42	1691.92	65.16
	West Bengal	1655.00	1655.00	0.00
	Sikkim	35.59	35.59	0.00
	D.V.C.	2451.50	2661.50	8.57
	A & N. Islands	28.33	28.33	0.00
	Central Sector	3910.00	3910.00	0.00
NORTH EASTERN REGION	Manipur	12.01	12.01	0.00
	Nagaland	5.50	5.50	0.00
	Tripura	69.36	77.36	11.53
	Arunachal Pradesh	39.43	39.43	0.00
	Mizoram	25.67	25.67	0.00
	Central Sector	422.51	556.01	31.60
Total(I)		32671.88	34386.46	5.25
II. NORTHER MUNICIPALITIES				
NORTHER REGION	Delhi	653.60	0.00	0.00
Total(II)		653.60	0.00	0.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	880.80	1009.51	14.61
	Madhya Pradesh	0.00	9.00	0.00
	Maharashtra	2256.00	2256.77	0.03
SOUTHERN REGION	Andhra Pradesh	0.00	303.64	0.00
	Karnataka	18.00	24.27	29.28
	Kerala	0.00	12.00	
	Tamil Nadu	0.00	655.52	
EASTERN REGION	Orissa	0.00	1.10	0.00
	West Bengal	721.52	741.52	2.77
Total (III)		3876.32	5012.33	29.31

**INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
PRIMEMOVERWISE/REGIONWISE AS 31.3.97**

(IN MW)

		H Y D R O		
REGION	OWNERSHIP	31.3.96	31.3.97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Chandigarh	0.00	0.00	0.00
	Central Sector	1530.00	2010.00	31.37
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Maharashtra	40.00	40.00	0.00
	Goa	0.05	0.05	0.00
	Central Sector	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	137.93	137.93	0.00
	Karnataka	2185.35	2185.35	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Bihar	14.90	19.90	33.56
	Orissa	604.42	1271.92	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	32.89	32.89	0.00
	D.V.C.	144.00	144.00	0.00
	A & N. Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	2.60	2.60	0.00
	Nagaland	3.50	3.50	0.00
	Tripura	16.01	16.01	0.00
	Arunachal Pradesh	23.55	23.55	0.00
	Mizoram	5.31	5.31	0.00
	Central Sector	255.01	355.01	39.21
Total(I)		4995.52	6248.02	25.07
II. NORTHER MUNICIPALITIES				
NORTHER REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
III PRIVATE LICENSEES				
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	426.00	426.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	18.00	18.00	0.00
	Kerala	0.00	12.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
Total (III)		444.00	456.00	2.70

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Table No. 13(Contd.) 44
**INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
 GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
 PRIMEMOVERWISE/REGIONWISE AS 31.3.97**

(IN MW)

		S T E A M		
REGION	OWNERSHIP	31.3.96	31.3.97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Chandigarh	0.00	0.00	0.00
	Central Sector	4980.00	4980.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
REGION	Goa	0.00	0.00	0.00
	Central Sector	3360.00	3360.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	840.00	840.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	4170.00	4170.00	0.00
EASTERN REGION	Bihar	210.00	420.00	0.00
	Orissa	420.00	420.00	0.00
	West Bengal	1655.00	1655.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	2217.50	2427.50	9.47
	A. & N. Islands	0.00	0.00	0.00
Central Sector	3910.00	3910.00	0.00	
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
Total(I)		21762.50	22182.50	1.93
II NORTHER MUNICIPALITIES				
REGION	Delhi	371.60	0.00	0.00
Total(II)		371.60	0.00	0.00
III PRIVATE LICENSEES				
WESTERN REGION	Gujarat	450.00	450.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
REGION	Maharashtra	1650.00	1650.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	681.38	701.38	0.00
Total (III)		2781.38	2801.38	0.72

Contd.

**INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
PRIMEMOVERWISE/REGIONWISE AS ON 31.3.97.**

(IN MW)

		D I E S E L		
REGION	OWNERSHIP	31.3.96	31.3.97	% increase
		ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR		
NORTHERN REGION	Chandigarh	2.00	2.00	0.00
	Central Sector	0.00	0.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Lakshadweep	6.92	6.92	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	2.70	2.70	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	28.33	28.33	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	9.41	9.41	0.00
	Nagaland	2.00	2.00	0.00
	Tripura	4.85	4.85	0.00
	Arunachal Pradesh	15.88	15.88	0.00
	Mizoram	20.36	20.36	0.00
	Central Sector	0.00	0.00	0.00
Total(I)		92.45	92.45	0.00
		II. NORTHER MUNICIPALITIES		
NORTHER REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
		III. PRIVATE LICENSEES		
WESTERN REGION	Gujarat	0.20	0.20	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.14	0.14	0.00
Total (III)		0.34	0.34	0.00

INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
PRIMEMOVERWISE/REGIONWISE AS ON 31.3.97.

(IN MW)

REGION	OWNERSHIP	WIND		
		31.3.96	31.3.97	% increase
	ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR			
NORTHERN REGION	Chandigarh	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
WESTERN REGION	Gujarat	15.30	15.30	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.11	0.11	0.00
	Central Sector	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	2.00	2.58	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Total(I)	17.41	17.99	3.33
II. NORTHERN REGION	MUNICIPALITIES			
	Delhi	0.00	0.00	0.00
	Total(II)	0.00	0.00	0.00
III. WESTERN REGION	PRIVATE LICENSEES			
	Gujarat	1.60	130.31	8044.38
	Madhya Pradesh	0.00	9.00	0.00
	Maharashtra	0.00	0.77	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	51.24	0.00
	Karnataka	0.00	5.27	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	655.52	0.00
EASTERN REGION	Orissa	0.00	1.10	0.00
	West Bengal	0.00	0.00	0.00
	Total (III)	1.60	853.21	53225.63

**INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
PRIME-MOVERWISE/REGIONWISE AS 31.3.97
(IN MW)**

REGION	OWNERSHIP	G A S		
		31.3.96	31.3.97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Chandigarh	0.00	0.00	0.00
	Central Sector	1882.00	1882.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	1292.00	1292.00	0.00
SOUTHERN REGION	Andhra Pradesh	99.00	99.00	0.00
	Karnataka	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	90.00	90.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	48.50	56.50	16.49
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	167.50	201.00	20.00
Total(I)		3579.00	3620.50	1.16
II. NORTHERN MUNICIPALITIES				
NORTHERN REGION	Delhi	282.00	0.00	0.00
Total(II)		282.00	282.00	0.00
III PRIVATE LICENSEES				
WESTERN REGION	Gujarat	429.00	429.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	180.00	180.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	252.40	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	40.00	40.00	0.00
Total (III)		649.00	901.40	38.89

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Table No.13(Contd.) 48
**INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
 GOVT. UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
 PRIMEMOVERWISE/REGIONWISE AS 31.3.97**

(IN MW)

REGION	OWNERSHIP	N U C L E A R		
		31.3.96	31.3.97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Chandigarh	0.00	0.00	0.00
	Central Sector	895.00	895.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	860.00	860.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	470.00	470.00	0.00
EASTERN REGION	Bihar			
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
NORTH EASTERN REGION	Central Sector	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
Total(I)		2225.00	2225.00	0.00
II. NORTHER MUNICIPALITIES				
NORTHER REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
III PRIVATE LICENSEES				
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
Total (III)		0.00	0.00	0.00

INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
GOVT UNDERTAKINGS/ MUNICIPALITIES AND PRIVATE SECTOR
PRIME/ OVERWISE/ REGIONWISE AS 31.3.97

(IN MW)

		N U C L E A R		
REGION	OWNERSHIP	31.3.96	31.3.97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
ii. NORTHERN MUNICIPALITIES				
REGION	Delhi	0.00	0.00	0.00
Total (ii)		0.00	0.00	0.00
iii PRIVATE LICENSEES				
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
REGION	Maharashtra	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
Total (iii)		0.00	0.00	0.00

TABLE No.14

**ADDITION IN GENERATING CAPACITY (UTILITIES ONLY)
DURING THE YEAR 1996-97**

S. No.	Installed at	State/UT/ Ownership	Date of addition	No. of sets	Capacity of each set (MW)	Total Capacity added(MW)
A. HYDRO						
1.	Gaj [Unit 1,2&3]	Himachal Pradesh S.E.B.	22.06.96 30.07.96 15.09.96	3	3.50	10.50
2.	Uri [Unit 1,2,3 & 4]	Jammu & kash (N.H.P.C.) Central Sector	31.03.97* 03.03.97 27.01.97 17.03.97	4	120.00	480.00
3.	Dimbhe [Unit 1]	Maharashtra Govt.Deptt.	14.02.97*	1	5.00	5.00
4.	Lower Periyar [Unit 3]	Kerala S.E.B.	28.11.96*	1	60.00	60.00
5.	E.Gandak Canal [Unit 2]	Bihar B.H.P.C.	22.06.96	1	5.00	5.00
6.	Kopili Extn. [Unit 1 & 2]	Assam (N.E.E.P.CO.) Central Sector	05.03.97 29.03.97*	2	50.00	100.00
Total(Hydro)				12 units		660.50

Contd.

ADDITION IN GENERATING CAPACITY (UTILITIES ONLY)

S. No.	Installed at	State/UT/ Ownership	Date of addition	No. of sets	Capacity of each set (MW)	Total Capacity added(MW)
B. STEAM & GAS						
1.	Kothagudem [Unit 9]	Andhra Pradesh S.E.B.	27.03.97	1	250.00	250.00
2.	Jegurupadu [Unit 1,2 &3]	Andhra Pradesh (G.V.K. Ind.)	04.07.96** 26.10.96** 11.12.96**	3	52.80	158.40
3.	Godavari [Unit 2&3]	Andhra Pradesh SPECTRUM	09.01.97** 17.02.97**	2	47.00	94.00
4.	Tenughat [Unit 2]	Bihar (TVNL) Govt. Deptt.	10.10.96	1	210.00	210.00
5.	Mejia [Unit 2]	West Bengal (D.V.C.)	24.03.97	1	210.00	210.00
6.	Kathalguri [Unit-6]	Assam (N.E.E.P.C.O.) Central Sector	15.10.96**	1	33.50	33.50
6.	Rokhia Ph-II [Unit 5]	Tripura Govt. Deptt.	02.03.97**	1	8.00	8.00
Total(Thermal)				10 Units		963.90
Total(Hydel+Thermal)				22 Units		1624.40

* Unit Rolled ** Gas Turbine S.E.B.- State Electricity Board

Note:-Excludes capacity addition in small Hydro/Thermal/ Diesel/Wind Power Stations.

Table No. 15

ADDITION/DELETION OF PLANT CAPACITY PRIMEMOVERWISE/
REGIONWISE/STATEWISE DURING THE YEAR 1996-97(IN MW).

REGION	Name of State/U. Ts.	Hydro	Steam	Diesel	Wind
NORTHERN	Haryana	0.00	0.00	0.00	0.00
NORTHERN	Himachal Pradesh	10.50	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00	0.00
	Uttar Pradesh	0.00	(B) -10.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Central Sector	480.00	0.00	0.00	0.00
	Sub-Total	490.50	-10.00	0.00	0.00
WESTERN	Gujarat	0.00	0.00	0.00	128.71
REGION	Madhya Pradesh	0.00	0.00	0.00	9.59
	Maharashtra	5.00	0.00	0.00	5.37
	Goa	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	5.00	0.00	0.00	143.67
SOUTHERN	Andhra Pradesh	0.00	250.00	0.00	52.29
REGION	Karnataka	0.00	0.00	0.00	5.85
	Kerala	(A) 72.00	0.00	0.00	2.02
	Tamil Nadu	0.00	0.00	0.00	655.52
	Lakshadweep	0.00	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	72.00	250.00	0.00	715.68
EASTERN	Bihar	5.00	210.00	0.00	0.00
REGION	Orissa	0.00	0.00	0.00	1.10
	West Bengal	0.00	(C) 20.00	0.00	0.00
	D.V.C.	0.00	210.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	5.00	440.00	0.00	1.10
NORTH	Assam	0.00	0.00	0.00	0.00
EASTERN	Manipur	0.00	0.00	0.00	0.00
REGION	Meghalaya	0.00	(D) - 5.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Central Sector	100.00	0.00	0.00	0.00
	Sub-Total	100.00	-5.00	0.00	0.00
	Total (All India)	672.50	675.00	0.00	860.45

Contd.

TABLE No. 15(Contd.)

ADDITION/DELETION OF PLANT CAPACITY PRIMEMOVERWISE/
REGIONWISE/STATEWISE DURING THE YEAR 1996-97.

(M.W.)

Region	Name of State/U.Ts.	Gas	Nuclear	Total
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	10.50
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	-10.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	480.00
	Sub-Total	0.00	0.00	480.50
WESTERN REGION	Gujarat	0.00	0.00	128.71
	Madhya Pradesh	0.00	0.00	9.59
	Maharashtra	0.00	0.00	10.37
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	148.67
SOUTHERN REGION	Andhra Pradesh	252.40	0.00	554.69
	Karnataka	0.00	0.00	5.85
	Kerala	0.00	0.00	2.02
	Tamil Nadu	0.00	0.00	655.52
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	252.40	0.00	1290.08
EASTERN REGION	Bihar	0.00	0.00	215.00
	Orissa	0.00	0.00	1.10
	West Bengal	0.00	0.00	0.00
	D.V.C.	0.00	0.00	210.00
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	446.10
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	-5.00
	Nagaland	0.00	0.00	0.00
	Tripura	8.00	0.00	8.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	33.50	0.00	133.50
	Sub-Total	41.50	0.00	136.50
	Total (All India)	293.90	0.00	2501.85

TABLE No.15(Contd.)

ADDITION/DELETION OF PLANT CAPACITY PRIMEMOVERWISE/
REGIONWISE/STATEWISE DURING THE YEAR 1996-97.

(M.W.)

	Total	Hydro	Steam	Dies	Wind	Gas	Nuclear
Gross Addition	2516.85	672.50	690.00	0.00	860.45	293.90	0.00
Deletion/Retirement -	15.00	0.00	(-)15.00	0.00	0.00	0.00	0.00
Reporting Difference/ Re-rating	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Addition	2501.85	672.50	675.00	0.00	860.45	293.90	0.00

Note:-

Addition of 3 units of 4.00 MW at Maniar Power House.

Deletion of one units of 10.0 MW at Talkatora Power House.

Addition of two units of 10.00 MW at Chinakuri Power House.

Deletion of Two unit of 2.50 MW at Tura Power House.

TABLE No. 16

CLASSIFICATION OF GENERATING UNDERTAKINGS-CAPACITYWIS
AS ON 31-3-1997

Range of Installed Capacity (MW)	No of undertakings	Aggregate Installed Capacity of the group (MW)	% to total Installed Capacity	Energy generate by the group(GWH)	% to total generation
Upto 1.00	4	1.27	0.00	2.58	0.00
Over 1.00 & Upto 2.00	3	4.70	0.00	0.00	0.00
Over 2.00 & upto 5.00	1	3.27	0.00	0.19	0.00
Over 5.00 & upto 10.00	3	21.42	0.03	25.58	0.01
Over 10.00 & upto 15.00	2	24.01	0.03	41.04	0.01
Over 15.00 & upto 25.00	3	53.20	0.06	123.21	0.03
Over 25.00 & upto 50.00	5	175.40	0.20	452.31	0.11
Over 50.00 & upto 100.00	5	393.60	0.46	1105.04	0.28
Over 100.00 & upto 500.00	14	4268.07	4.98	14428.23	3.65
Over 500.00 & upto 1000.00	6	4094.73	4.77	14697.06	3.71
Over 1000.00 & upto 2000.00	7	9919.21	11.56	38131.90	9.63
Over 2000.00 & upto 3000.00	6	14031.10	16.36	59013.52	14.91
Over 3000.00	8	52805.39	61.55	267868.79	67.66
Total	60	85795.37	100.00	395889.45	100.00

TABLE NO 17
CLASSIFICATION OF POWER STATIONS - CAPACITYWISE AS ON 31.3.1997

Range of Installed Capacity		No. of Generating stations	Installed capacity group total(MW)	% of Total Capacity
HYDRO STATIONS				
	Upto 100 KW	21	1.27	0.01
Over	100 KW upto 1.00 MW	72	35.69	0.16
Over	1.00 MW upto 2.00 MW	29	47.87	0.22
Over	2.00 MW upto 5.00 MW	23	86.05	0.4
Over	5.00 MW upto 10.00 MW	20	162.90	0.75
Over	10.00 MW upto 15.00 MW	11	141.70	0.65
Over	15.00 MW upto 25.00 MW	14	279.05	1.29
Over	25.00 MW upto 50.00 MW	28	1024.35	4.73
Over	50.00 MW upto 100.00 MW	33	2473.45	11.42
Over	100.00 MW upto 500.00 MW	40	8489.75	39.20
Over	500.00 MW upto 1000.00 MW	12	8916.00	41.17
Over	1000.00 MW	0	0.00	0.00
TOTAL		303	21658.08	100.00
STEAM STATIONS				
	Upto 5.00 MW	0	0.00	0.00
Over	5.00 MW upto 10.00 MW	2	18.38	0.03
Over	10.00 MW upto 15.00 MW	1	13.50	0.03
Over	15.00 MW upto 25.00 MW	2	38.00	0.07
Over	25.00 MW upto 50.00 MW	3	105.00	0.19
Over	50.00 MW upto 100.00 MW	3	185.00	0.34
Over	100.00 MW upto 500.00 MW	31	10050.60	18.56
Over	500.00 MW upto 1000.00 MW	20	15361.50	28.37
Over	1000.00 MW upto 2000.00 MW	16	22112.50	40.83
Over	2000.00 MW	3	6270.00	11.58
TOTAL		81	54154.48	100.00

TABLE NO 17 (Contd.)

Range of Installed Station Capacity		Energy Generated by the group (GWH)	Generation % age of total	KWH/KW \$
HYDRO STATIONS				
	Upto 100 KW	0.01	0.00	8
Over	100 KW upto 1.00 MW	5.51	0.01	154
Over	1.00 MW upto 2.00 MW	41.48	#DIV/0!	867
Over	2.00 MW upto 5.00 MW	106.11	0.15	1233
Over	5.00 MW upto 10.00 MW	278.78	0.40	1711
Over	10.00 MW upto 15.00 MW	388.09	0.56	2739
Over	15.00 MW upto 25.00 MW	854.74	1.24	3063
Over	25.00 MW upto 50.00 MW	3628.44	5.27	3542
Over	50.00 MW upto 100.00 MW	8461.12	12.28	3421
Over	100.00 MW upto 500.00 MW	24313.75	35.29	2864
Over	500.00 MW upto 1000.00 MW	30822.77	44.74	3457
Over	1000.00 MW	0.00	0.00	0
TOTAL		68900.80	100.00	3181
STEAM STATIONS				
	Upto 5.00 MW	0.00	0.00	0
Over	5.00 MW upto 10.00 MW	24.14	0.01	0
Over	10.00 MW upto 15.00 MW	4.38	0.00	324
Over	15.00 MW upto 25.00 MW	194.59	0.06	5121
Over	25.00 MW upto 50.00 MW	202.64	0.07	1930
Over	50.00 MW upto 100.00 MW	710.85	0.25	3842
Over	100.00 MW upto 500.00 MW	42460.40	14.67	4225
Over	500.00 MW upto 1000.00 MW	75584.50	26.12	4920
Over	1000.00 MW upto 2000.00 MW	125923.05	43.52	5695
Over	2000.00 MW	44273.76	15.30	7061
TOTAL		289378.31	100.00	5344

\$-: The figures given under this table indicate the generation in Kwh during the year per kw of Installed Capacity at the end of the year.

TABLE NO 18

CLASSIFICATION OF GENERATING SETS-PRIMEMOVERWISE/
CAPACITYWISE AS ON 31.3.1997

Range of Installed Capacity of sets (MW)		HY D R O			S T E A M		
		No. of sets	Installed Capacity (MW)	% to Total	No. of sets	Installed Capacity (MW)	% to Total
Upto	100 KW	99	7.23	0.03	0	0.00	0.00
Over Upto	100 KW & 1 MW	202	80.60	0.37	0	0.00	0.00
Over Upto	1 MW & 2 MW	48	67.70	0.31	7	10.88	0.02
Over Upto	2 MW & 5 MW	77	269.95	1.25	13	51.00	0.09
Over Upto	5 MW & 10 MW	86	664.70	3.07	5	47.50	0.09
Over Upto	10 MW & 20 MW	112	1672.15	7.72	9	225.50	0.42
Over Upto	20 MW & 30 MW	53	1345.25	6.21	25	750.00	1.39
Over Upto	30 MW & 50 MW	89	3694.50	17.06	26	1310.60	2.42
Over Upto	50 MW & 100 MW	90	6319.00	29.18	59	4599.00	8.49
Over Upto	100 MW & 200 MW	61	7537.00	34.80	81	10480.00	19.35
Above	200 MW	0	0.00	0.00	147	36680.00	67.73
TOTAL		917	21658.08	100.00	372	54154.48	100.00

TABLE No.18 (Contd.)

CLASSIFICATION OF GENERATING SETS-PRIMEMOVERWISE/
CAPACITYWISE AS ON 31.3.1997

Range of Installed Capacity of sets (MW)		G A S			N U C L E A R		
		No. of sets	Installed Capacity (MW)	% to Total	No. of sets	Installed Capacity (MW)	% to Total
Upto	1 MW	0	0.00	0.00	0	0.00	0.00
Over Upto	1 MW & 5 MW	10	34.00	0.52	0	0.00	0.00
Over Upto	5 MW & 10 MW	8	56.50	0.86	0	0.00	0.00
Over Upto	10 MW & 20 MW	13	232.50	3.54	0	0.00	0.00
Over Upto	20 MW & 30 MW	26	710.00	10.82	0	0.00	0.00
Over Upto	30 MW & 50 MW	18	642.50	9.79	0	0.00	0.00
Over Upto	50 MW & 100 MW	15	854.40	13.02	0	0.00	0.00
Over Upto	100 MW & 200 MW	32	3777.00	57.56	0	0.00	0.00
Above	200 MW	1	255.00	3.89	10	2225.00	100.00
TOTAL		123	6561.90	100.00	10	2225.00	100.00

Note:- Setwise classification of diesel & wind power houses not given due to non-availability of setwise details in certain cases. However, their total installed capacity is 293.90 MW & 902.01 MW respectively.

GENERATION (UTILITIES)

SECTION III

GENERATION (UTILITIES)

The all India gross electricity generation by the Public Utilities was 395889.45 GWH during the year 1996-97 as compared to 379877.19 GWH during 1995-96 thereby registering an increase of 4.22%.

Electricity generation from steam generating stations continued to form the major proportion of total electricity production. The relative percentage of generation from Steam, Hydro, Gas, Nuclear and Diesel Power Stations were 73.10%, 17.40%, 6.82%, 2.29% and 0.39% respectively during the year 1996-97.

There were 81 steam stations and 303 hydro stations existing in the country as on 31st March, 1997 generating 289378.32 GWH and 68900.80 GWH respectively. National Thermal Power Corporation complex the biggest of all the systems registered the maximum electricity production of 103239.66 GWH during the year.

GENERATION (NON-UTILITIES)

Besides electricity generation by the Public Utilities, during the year under review captive plants of selected industries produced 40815.01 GWH comprising 29127.94 GWH from Steam, 28.84 GWH from Hydro, 6619.01 GWH from diesel/ wind and 5039.22 GWH from Gas turbine plants respectively. Apart from the above, electricity generation from captive plants of Railways was 25.07 GWH which comprised 2.00 GWH from steam and 23.07 GWH from diesel plants.

TOTAL GENERATION (UTILITIES+NON-UTILITIES)

To sum up, total electricity production in the country including those from captive plants during the year 1996-97 was 436729.53 GWH as compared to 418043.26 GWH during the year 1995-96 recording an increase of 4.47%.

Sectorwise break up of Gross Generation (GWH) during 1996-97 is given below:-

	Hydro	Steam	Gas	Diesel & Wind	Nuclear	Total
Central Sector	6922.38	107171.60	15602.41	0.00	9071.11	138767.50
State Sector	60715.16	165813.57	8115.58	714.58	0.00	235358.29
Private Sector	1263.26	16393.15	3266.92	839.73	0.00	21763.06
All India	68900.80	289378.32	26984.91	1554.31	9071.11	395889.45

The tables in this Section depict the salient features of electricity generation in various sectors and by different types of primemovers, etc. under Utilities only.

TABLE NO.19
GROSS ENERGY GENERATION IN THE COUNTRY (UTILITIES & NON-UTILITIES)
PRIMEMOVERWISE DURING THE YEAR 1996-97

(GWH)

Category	Year	Gross Energy Generation (GWH)					
		Total	Hydro	Steam	Diesel & Wind	Gas	Nuclear
Utilities							
	1996-97	395889.45	68900.8	289378.32	1554.31	26984.91	9071.11
	1995-96	379877.19	72579.19	273743.54	714.43	24858.38	7981.65
	% increas	4.22	-5.07	5.71	117.56	8.55	13.65
Non-Utilities							
I. Selected Industries*							
	1996-97	40815.01	28.84	29127.94	6619.01	5039.22	0.00
	1995-96	38142.22	17.39	28751.69	4796.89	4576.25	0.00
	% increas	7.01	65.84	1.31	37.99	10.12	0.00
II. Railways							
	1996-97	25.07	0.00	2.00	23.07	0.00	0.00
	1995-96	23.85	0.00	2.00	21.85	0.00	0.00
	% increas	5.12	0.00	0.00	5.58	0.00	0.00
Total Non-Utilities (I & II)							
	1996-97	40840.08	28.84	29129.94	6642.08	5039.22	0.00
	1995-96	38166.07	17.39	28753.69	4818.74	4576.25	0.00
	% increas	7.01	65.84	1.31	37.84	10.12	0.00
All India Gross Generation (Utilities + Non-Utilities)							
	1996-97	436729.53	68929.64	318508.26	8196.39	32024.13	9071.11
	1995-96	418043.26	72596.58	302497.23	5533.17	29434.63	7981.65
	% increas	4.47	-5.05	5.29	48.13	8.80	13.65

* Industries having captive plant capacity of 1.00 MW and above.

TABLE No.20

**ALL INDIA ELECTRICITY GENERATION (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEMOVERWISE DURING 1996-97**

Sr. No.	Type of primemover and Ownership	Generation (Gross) (GWH)	% to All India Total	% increase in generation over the previous year
I.	HYDRO			
	Public Sector:			
a)	State Electricity Boards	49022.64	12.38	-4.87
b)	Elcyc Deptts./Govt. Undertakings/Corporations/ Central Sector	18614.9	4.7	-6.04
c)	Municipalities	0.00	0.00	0.00
	Sub-Total	67637.54	17.08	-5.20
	Private Sector:			
d)	Companies	1263.26	0.32	2.36
	Total (Hydro)	68900.8	17.4	-5.07
II.	STEAM			
	Public Sector:			
a)	State Electricity Boards	150700.92	38.07	6.64
b)	Elcyc Deptts./Govt. Undertakings/Corporations/ Central Sector	122284.25	30.89	5.46
c)	Municipalities	0.00	0.00	0.00
	Sub-Total	272985.17	68.96	5.45
	Private Sector:			
d)	Companies	16393.15	4.14	10.22
	Total (Steam)	289378.32	73.10	5.71
III.	DIESEL & WIND			
	Public Sector:			
a)	State Electricity Boards	560.16	0.14	-1.06
b)	Elcyc Deptts./Govt. Undertakings/Corporations/ Central Sector	154.42	0.04	5.32
c)	Municipalities	0.00	0.00	0.00
	Sub-Total	714.58	0.18	0.27
	Private Sector:			
d)	Companies	839.73	0.21	46812.29
	Total (Diesel & Wind)	1554.31	0.39	117.56

TABLE No.20 (Contd.)

**ALL INDIA ELECTRICITY GENERATION (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEMOVERWISE DURING 1996-97**

Sl.No.	Type of primemover and Ownership	Generation (Gross) (GWH)	% to All India Total	% increase in generation over the previous year
IV.	G A S			
	Public Sector:			
a)	State Electricity Boards	7278.58	1.84	6.74
b)	Elec. Deptts./Govt. Undertakings/Corporations/			
	Central Sector	16439.41	4.15	6.95
c)	Municipalities	0.00	0.00	0.00
0	Sub-Total	23717.99	5.99	3.96
	Private Sector:			
d)	Companies	3266.92	0.83	59.91
	Total (Gas)	26984.91	6.82	8.55
V.	NUCLEAR			
	Public Sector:			
a)	State Electricity Boards	0.00	0.00	0.00
b)	Elec. Deptts./Govt. Undertakings/Corporations/			
	Central Sector	9071.11	2.29	13.65
c)	Municipalities	0.00	0.00	0.00
	Sub-Total	9071.11	2.29	13.65
	Private Sector			
d)	Companies	0.00	0.00	0.00
	Total (Nuclear)	9071.11	2.29	13.65
VI.	GRAND TOTAL (I TO V)			
	Public Sector:			
a)	State Electricity Boards	207562.30	52.43	3.66
b)	Elec. Deptts./Govt. Undertakings/Corporations/			
	Central Sector	166564.09	42.07	4.58
c)	Municipalities	0.00	0.00	0.00
	Sub-Total	374126.39	94.50	3.43
	Private Sector			
d)	Companies	21763.06	5.50	19.89
	Total All India	395889.45	100.00	4.22

**ALL INDIA GROSS ENERGY GENERATION (UTILITIES ONLY)
REGIONWISE/STATEWISE DURING 1996-97 (GWH)**

Region	State/U.Ts.	ENERGY GENERATION		
		1995-96	1996-97	% increase
NORTHERN REGION	Haryana	7262.01	7627.32	5.03
	Himachal Pradesh	1285.42	1251.93	-2.61
	Jammu & Kashmir	798.00	796.00	-0.25
	Punjab	16898.66	18455.32	9.21
	Rajasthan	9928.64	10386.36	4.61
	Uttar Pradesh	22827.34	23637.14	3.55
	Chandigarh	0.00	0.00	0.00
	Delhi	2218.62	2025.87	-8.69
	Central Sector	52549.72	53636.21	2.07
	Sub-Total	113768.41	117816.15	3.56
WESTERN REGION	Gujarat	25992.93	27075.44	4.16
	Madhya Pradesh	17598.88	18416.26	4.64
	Maharashtra	50699.06	53562.05	5.65
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	32822.83	34016.48	3.64
	Sub-Total	127113.70	133070.23	4.69
SOUTHERN REGION	Andhra Pradesh	22498.84	25913.11	15.18
	Karnataka	15502.76	12927.43	-16.61
	Kerala	6626.10	5510.24	-16.84
	Tamil Nadu	21974.97	23636.23	7.56
	Lakshadweep	15.41	16.80	9.02
	Pondicherry	0.00	0.00	0.00
	Central Sector	28419.91	30363.36	6.84
	Sub-Total	95037.99	98367.17	3.50
EASTERN REGION	Bihar	2301.24	2741.80	19.14
	Orissa	6008.61	5945.68	-1.05
	West Bengal	14286.72	14888.56	4.21
	D.V.C.	6829.87	6667.32	-2.38
	A. & N. Islands	83.87	89.77	7.03
	Sikkim	63.63	72.50	13.94
	Central Sector	10605.68	12185.68	14.90
	Sub-Total	40179.62	42591.31	6.00
NORTH EASTERN REGION	Assam	1422.70	1331.73	-6.39
	Manipur	4.00	2.04	-49.00
	Meghalaya	542.56	486.01	-10.42
	Nagaland	3.65	2.80	-23.29
	Tripura	194.20	252.25	29.89
	Arunachal Pradesh	66.67	57.17	-14.25
	Mizoram	14.63	14.14	-3.35
	Central Sector	1529.06	1898.45	24.16
	Sub-Total	3777.47	4044.59	7.07
	Total (All India)	379877.19	395889.45	4.22

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

TABLE NO.22
GROSS ENERGY GENERATION (UTILITIES ONLY) OWNERSHIPWISE,
REGIONWISE/STATEWISE DURING 1996-97 (GWH)

		PUBLIC SECTOR STATE ELECTRICITY BOARDS		
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	7262.01	7627.32	5.03
	Himachal Pradesh	1285.42	1251.93	-2.61
	Jammu & Kashmir	798.00	796.00	-0.25
	Punjab	16898.66	18455.32	9.21
	Rajasthan	9928.64	10386.36	4.61
	Uttar Pradesh	22827.34	23637.14	3.55
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	2025.87	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	59000.07	64179.94	8.78
WESTERN REGION	Gujarat	23053.00	22899.00	-0.67
	Madhya Pradesh	17598.88	18410.28	4.61
	Maharashtra	39470.23	41056.02	4.02
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	80122.11	82365.30	2.80
SOUTHERN REGION	Andhra Pradesh	21234.90	24073.69	13.37
	Karnataka	1160.00	932.00	-19.66
	Kerala	6626.10	5471.24	-17.43
	Tamil Nadu	21974.97	22953.52	4.45
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	50995.97	53430.45	4.77
EASTERN REGION	Bihar	2277.24	2008.10	-11.82
	Orissa	2669.75	0.00	-100.00
	West Bengal	3208.47	3760.77	17.21
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	8155.46	5768.87	-29.26
NORTH EASTERN REGION	Assam	1422.70	1331.73	-6.39
	Manipur	-0.00	0.00	0.00
	Meghalaya	542.56	486.01	-10.42
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	1965.26	1817.74	-7.51
	Total (All India)	200238.87	207562.30	3.66

Contd.

TABLE NO.22 (Contd.)

66
(GWH)

		PUBLIC SECTOR		
		Elec. Deptts./Govt. Undertakings/ Corporations/Central Sector		
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	52549.72	53636.21	2.07
Sub-Total		52549.72	53636.21	2.07
WESTERN REGION	Gujarat	10.18	8.86	-12.97
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	1.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	32822.83	34016.48	3.64
Sub-Total		32833.01	34026.34	3.63
SOUTHERN REGION	Andhra Pradesh	1263.94	1425.23	12.76
	Karnataka	14288.76	11928.59	-16.52
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	15.41	16.80	9.02
	Pondicherry	0.00	0.00	0.00
	Central Sector	28419.91	30363.36	6.84
Sub-Total		43988.02	43733.98	-0.58
EASTERN REGION	Bihar	24.00	733.70	2957.08
	Orissa	3338.86	5945.68	78.08
	West Bengal	7138.52	7246.06	1.51
	D.V.C.	6829.87	6667.32	-2.38
	A. & N. Islands	83.87	89.77	7.03
	Sikkim	63.63	72.50	13.94
	Central Sector	10605.68	12185.68	14.90
Sub-Total		28084.43	32940.71	17.29
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	4.00	2.04	-49.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	3.65	2.80	-23.29
	Tripura	194.20	252.25	29.89
	Arunachal Pradesh	66.67	57.17	-14.25
	Mizoram	14.63	14.14	-3.35
	Central Sector	1529.06	1898.45	24.16
Sub-Total		1812.21	2226.85	22.88
Total (All India)		159267.39	166564.09	4.58

TABLE NO.22 (Contd.)

(GWH)

Region	State/U.Ts.	PUBLIC SECTOR MUNICIPALITIES		
		1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	2218.62	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	2218.62	0.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	D V C.	0.00	0.00	0.00
	A & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	2218.62	0.00	0.00

Contd.

TABLE NO 22 (Contd.)

(GWH)

		PRIVATE SECTOR COMPANIES		
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	2929.75	4167.58	42.25
	Madhya Pradesh	0.00	5.98	0.00
	Maharashtra	11228.83	12505.03	11.37
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	14158.58	16678.59
SOUTHERN REGION	Andhra Pradesh	0.00	414.19	0.00
	Karnataka	54.00	66.84	23.78
	Kerala	0.00	39.00	0.00
	Tamil Nadu	0.00	682.71	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	54.00	1202.74	2127.30
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	3939.73	3881.73	-1.47
	D.V.C.	0.00	0.00	0.00
	A & N Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	3939.73	3881.73	-1.47
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	18152.31	21763.06	19.89

NOTE -Generation of jointly owned projects have been shown

TABLE NO.23
GROSS ENERGY GENERATION (UTILITIES ONLY) PRIMEMOVERWISE,
REGIONWISE/STATEWISE DURING 1996-97 (GWH)

Region	State/U.Ts.	H Y D R O		
		1995-96	1996-97	% increase
NORTHERN REGION	Haryana	3919.87	4034.90	2.93
	Himachal Pradesh	1285.42	1251.93	-2.61
	Jammu & Kashmir	735.00	725.00	-1.36
	Punjab	8666.61	8677.07	0.12
	Rajasthan	3977.22	3917.52	-1.50
	Uttar Pradesh	5014.01	5214.37	4.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	5655.66	5186.39	-8.30
	Sub-Total	29253.79	29007.18	-0.84
WESTERN REGION	Gujarat	738.00	844.00	14.36
	Madhya Pradesh	2253.15	2270.90	0.79
	Maharashtra	4561.49	4722.57	3.53
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	7552.64	7837.47	3.77
SOUTHERN REGION	Andhra Pradesh	6855.49	8151.45	18.90
	Karnataka	10237.59	7234.08	-29.34
	Kerala	6626.10	5507.68	-16.88
	Tamil Nadu	4714.54	4252.44	-9.80
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	28433.72	25145.65	-11.56
EASTERN REGION	Bihar	294.10	333.99	13.56
	Orissa	4634.61	3916.90	-15.49
	West Bengal	132.15	281.35	112.90
	D.V.C.	384.86	367.48	-4.52
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	62.89	71.55	13.77
	Central Sector	0.00	0.00	0.00
	Sub-Total	5508.61	4971.27	-9.75
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.30	0.14	-53.33
	Meghalaya	542.56	486.01	-10.42
	Nagaland	3.20	2.50	-21.88
	Tripura	40.00	40.25	0.63
	Arunachal Pradesh	49.77	39.50	-20.63
	Mizoram	1.56	2.32	48.72
	Central Sector	1193.04	1368.51	14.71
	Sub-Total	1830.43	1939.23	5.94
	Total (All India)	72579.19	68900.80	-5.07

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

TABLE NO.23(Contd.)

(GWH)

Region	State/U.Ts.	1995-96	S T E A M	
			1996-97	% increase
NORTHERN REGION	Haryana	3342.14	3592.42	7.49
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	8232.05	9778.25	18.78
	Rajasthan	5935.09	6364.25	7.23
	Uttar Pradesh	17813.33	18422.77	3.42
	Chandigarh	0.00	0.00	0.00
	Delhi	1592.93	1273.82	-20.03
	Central Sector	34175.76	35154.90	2.87
	Sub-Total	71091.30	74586.41	4.92
WESTERN REGION	Gujarat	23588.14	23493.58	-0.40
	Madhya Pradesh	15345.73	16139.38	5.17
	Maharashtra	39794.36	43109.57	8.33
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	24669.21	25168.45	2.02
		Sub-Total	103397.44	107910.98
SOUTHERN REGION	Andhra Pradesh	15102.86	16719.76	10.71
	Karnataka	4721.83	5151.81	9.11
	Kerala	0.00	0.00	0.00
	Tamil Nadu	17219.66	18597.55	8.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	27009.91	28378.36	5.07
	Sub-Total	64054.26	68847.48	7.48
EASTERN REGION	Bihar	2007.14	2407.81	19.96
	Orissa	1374.00	2028.78	47.66
	West Bengal	14116.87	14577.11	3.26
	D.V.C.	6402.92	6284.21	-1.85
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	10605.68	12185.68	14.90
	Sub-Total	34506.61	37483.59	8.63
NORTH EASTERN REGION	Assam	693.93	549.86	-20.76
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	693.93	549.86	-20.76
	Total (All India)	273743.54	289378.32	5.71

Contd.

TABLE NO.23(Contd.) (GWH)

		D I E S E L		
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	543.00	537.00	1.10
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	15.41	16.80	9.02
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	558.41	553.80	-0.83
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.43	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	83.87	89.77	7.03
	Sikkim	0.74	0.95	28.38
	Central Sector	0.00	0.00	0.00
	Sub-Total	84.61	91.15	7.73
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	3.70	1.90	-48.65
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.45	0.30	-33.33
	Tripura	1.96	2.00	2.04
	Arunachal Pradesh	16.90	17.67	4.56
	Mizoram	13.07	11.82	-9.56
	Central Sector	0.00	0.00	0.00
	Sub-Total	36.08	33.69	-6.62
	Total (All India)	679.10	678.64	-0.07

		WIND		
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	11.97	117.86	884.63
	Madhya Pradesh	0.00	5.98	0.00
	Maharashtra	0.00	2.58	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	11.97	126.42
SOUTHERN REGION	Andhra Pradesh	0.16	39.98	24367.56
	Karnataka	0.34	4.54	1235.29
	Kerala	0.00	2.56	0.00
	Tamil Nadu	22.86	702.17	2971.61
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	23.36	749.25
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
		Sub-Total	0.00	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	35.33	875.67	2378.31

		G A S		
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	63.00	71.00	12.70
	Punjab	0.00	0.00	0.00
	Rajasthan	16.33	104.59	540.48
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	625.69	752.05	20.20
	Central Sector	9966.62	10468.94	5.04
	Sub-Total	10671.64	11396.58	6.79
WESTERN REGION	Gujarat	1654.82	2620.00	58.33
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	6343.21	5727.33	-9.71
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	4333.65	4587.90	5.87
	Sub-Total	12331.68	12935.23	4.89
SOUTHERN REGION	Andhra Pradesh	540.33	1001.92	85.43
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	17.91	84.07	369.40
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	558.24	1085.99	94.54
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	37.70	29.67	-21.30
	D.V.C.	42.09	15.63	-62.87
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	79.79	45.30	-43.23
NORTH EASTERN REGION	Assam	728.77	781.87	7.29
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	152.24	210.00	37.94
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	336.02	529.94	57.71
	Sub-Total	1217.03	1521.81	25.04
	Total (All India)	24858.38	26984.91	8.55

Contd.

N U C L E A R				
Region	State/U.Ts.	1995-96	1996-97	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	2751.68	2825.98	2.70
	Sub-Total	2751.68	2825.98	2.70
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	Central Sector	3819.97	4260.13	11.52
	Sub-Total	3819.97	4260.13	11.52
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	1410.00	1985.00	40.78
	Sub-Total	1410.00	1985.00	40.78
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	7981.65	9071.11	13.65

TABLE No.24

GROSS ENERGY GENERATION BY STATE ELECTRICITY
BOARDS PRIME-MOVERWISE DURING 1996-97

(GWH)

Region	NAME OF THE BOARD	T O T A		
		1995-96	1996-97	% increase
NORTHERN REGION	Haryana	7262.01	7627.32	5.03
	Himachal Pradesh	1285.42	1251.93	-2.61
	Jammu & Kashmir	798.00	796.00	-0.25
	Punjab	16898.66	18455.32	9.21
	Rajasthan	9928.64	10386.36	4.61
	Uttar Pradesh	22827.34	23637.14	3.55
	Delhi	0.00	2025.87	0.00
	Sub-Total	59000.07	64179.94	8.78
WESTERN REGION	Gujarat	23053.00	22899.00	-0.67
	Madhya Pradesh	17598.88	18410.28	4.61
	Maharashtra	39470.23	41056.02	4.02
	Sub-Total	80122.11	82365.30	2.80
SOUTHERN REGION	Andhra Pradesh	21234.90	24073.69	13.37
	Karnataka	1160.00	932.00	-19.66
	Kerala	6626.10	5471.24	-17.43
	Tamil Nadu	21974.97	22953.52	4.45
	Sub-Total	50995.97	53430.45	4.77
EASTERN REGION	Bihar	2277.24	2008.10	-11.82
	Orissa	2669.75	0.00	-100.00
	West Bengal	3208.47	3760.77	17.21
	Sub-Total	8155.46	5768.87	-29.26
NORTH EASTERN REGION	Assam	1422.70	1331.73	-6.39
	Meghalaya	542.56	486.01	-10.42
	Sub-Total	1965.26	1817.74	-7.51
	Total (All Boards)	200238.87	207562.30	3.66

TABLE No.24(Contd.)

GROSS ENERGY GENERATION BY STATE ELECTRICITY
BOARDS PRIME-MOVERWISE DURING 1996-97.

(GWH)

Region	NAME OF THE BOARD	HYDRO		
		1995-96	1996-97	%increase
NORTHERN REGION	Haryana	3919.87	4034.90	2.93
	Himachal Pradesh	1285.42	1251.93	-2.61
	Jammu & Kashmir	735.00	725.00	-1.36
	Punjab	8666.61	8677.07	0.12
	Rajasthan	3977.22	3917.52	-1.50
	Uttar Pradesh	5014.01	5214.37	4.00
	Delhi	0.00	0.00	0.00
	Sub-Total	23598.13	23820.79	0.94
WESTERN REGION	Gujarat	738.00	844.00	14.36
	Madhya Pradesh	2253.15	2270.90	0.79
	Maharashtra	3381.69	3563.96	5.39
	Sub-Total	6372.84	6678.86	4.80
SOUTHERN REGION	Andhra Pradesh	6131.88	7353.22	19.92
	Karnataka	617.00	395.00	-35.98
	Kerala	6626.10	5468.68	-17.47
	Tamil Nadu	4714.54	4252.44	-9.80
	Sub-Total	18089.52	17469.34	-3.43
EASTERN REGION	Bihar	280.10	286.29	2.21
	Orissa	2518.75	0.00	-100.00
	West Bengal	132.15	281.35	112.90
	Sub-Total	2931.00	567.64	-80.63
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Meghalaya	542.56	486.01	-10.42
	Sub-Total	542.56	486.01	-10.42
	Total (All Boards)	51534.05	49022.64	-4.87

Contd.

TABLE No.24(Contd.)

GROSS ENERGY GENERATION BY STATE ELECTRICITY
BOARDS PRIME-MOVERWISE DURING 1996-97.

(GWH)

Region	NAME OF THE BOARD	S T E A M		
		1995-96	1996-97	%increase
NORTHERN REGION	Haryana	3342.14	3592.42	7.49
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	8232.05	9778.25	18.78
	Rajasthan	5935.09	6364.25	7.23
	Uttar Pradesh	17813.33	18422.77	3.42
	Delhi	0.00	1273.82	0.00
	Sub-Total	35322.61	39431.51	11.63
WESTERN REGION	Gujarat	21212.00	21050.00	-0.76
	Madhya Pradesh	15345.73	16139.38	5.17
	Maharashtra	31213.48	33023.73	5.80
	Sub-Total	67771.21	70213.11	3.60
SOUTHERN REGION	Andhra Pradesh	15102.86	16719.76	10.71
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	17219.66	18597.55	8.00
	Sub-Total	32322.52	35317.31	9.27
EASTERN REGION	Bihar	1997.14	1721.81	-13.79
	Orissa	151.00	0.00	-100.00
	West Bengal	3061.62	3467.32	13.25
	Sub-Total	5209.76	5189.13	-0.40
NORTH EASTERN REGION	Assam	693.93	549.86	-20.76
	Meghalaya	0.00	0.00	0.00
	Sub-Total	693.93	549.86	-20.76
	Total (All Boards)	141320.03	150700.92	6.64

Contd..

TABLE No.24(Contd.)

GROSS ENERGY GENERATION BY STATE ELECTRICITY
BOARDS PRIME-MOVERWISE DURING 1996-97.

(GWH)

Region	NAME OF THE BOARD	DIESEL		
		1995-96	1996-97	%increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	543.00	537.00	-1.10
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Sub-Total	543.00	537.00	-1.10
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.43	0.00
	Sub-Total	0.00	0.43	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All Boards)	543.00	537.43	-1.03

Contd..

TABLE No.24(Contd.)

GROSS ENERGY GENERATION BY STATE ELECTRICITY
BOARDS PRIME-MOVERWISE DURING 1996-97.

(GWH)

Region	NAME OF THE BOARD	GAS		
		1995-96	1996-97	%increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	63.00	71.00	12.70
	Punjab	0.00	0.00	0.00
	Rajasthan	16.33	104.59	540.48
	Uttar Pradesh	0.00	0.00	0.00
	Delhi	0.00	752.05	0.00
	Sub-Total	79.33	927.64	1069.34
WESTERN REGION	Gujarat	1103.00	1005.00	-8.88
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	4875.06	4468.33	-8.34
	Sub-Total	5978.06	5473.33	-8.44
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	17.91	84.07	369.40
	Sub-Total	17.91	84.07	369.40
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	14.70	11.67	-20.61
	Sub-Total	14.70	11.67	-20.61
NORTH EASTERN REGION	Assam	728.77	781.87	7.29
	Meghalaya	0.00	0.00	0.00
	Sub-Total	728.77	781.87	7.29
	Total (All Boards)	6818.77	7278.58	6.74

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

TABLE No.25
GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
(GWH)

REGION	OWNERSHIP	TOTAL		
		1995-96	1996-97	% increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	52549.72	53636.21	2.07
WESTERN REGION	Gujarat	10.18	8.86	-12.97
	Maharashtra	0.00	1.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	32822.83	34016.48	3.64
SOUTHERN REGION	Andhra Pradesh	1263.94	1425.23	12.76
	Karnataka	14288.76	11928.59	-16.52
	Lakshadweep	15.41	16.80	9.02
	Central Sector	28419.91	30363.36	6.84
EASTERN REGION	Bihar	24.00	733.70	2957.08
	Orissa	3338.86	5945.68	78.08
	West Bengal	7138.52	7246.06	1.51
	Sikkim	63.63	72.50	13.94
	D.V.C.	6829.87	6667.32	-2.38
	A. & N. Islands	83.87	89.77	7.03
	Central Sector	10605.68	12185.68	14.90
NORTH EASTERN REGION	Manipur	4.00	2.04	-49.00
	Nagaland	3.65	2.80	-23.29
	Tripura	194.20	252.25	29.89
	Arunachal Pradesh	66.67	57.17	-14.25
	Mizoram	14.63	14.14	-3.35
	Central Sector	1529.06	1898.45	24.16
Total(I)		159267.39	166564.09	4.58
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	2218.62	0.00	-100.00
Total(II)		2218.62	0.00	-100.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	2929.75	4167.58	42.25
	MadhyaPradesh	0.00	5.98	0.00
	Maharashtra	11228.83	12505.03	11.37
SOUTHERN REGION	Andhra Pradesh	0.00	414.19	0.00
	Karnataka	54.00	66.84	23.78
	Kerala	0.00	39.00	0.00
	TamilNadu	0.00	682.71	0.00
EASTERN REGION	West Bengal	3939.73	3881.73	-1.47
Total (III)		18152.31	21763.06	19.89

TABLE No.25(Contd)
GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEMOVERWISE/REGIONWISE
(GWH)

		HYDRO		
REGION	OWNERSHIP	1995-96	1996-97	%increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	5655.66	5186.39	-8.30
WESTERN REGION	Gujarat	0.00	0.00	
	Maharashtra	0.00	1.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	723.61	798.23	10.31
	Karnataka	9566.59	6772.43	-29.21
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Bihar	14.00	47.70	31.71
	Orissa	2115.86	3916.90	12
	West Bengal	0.00	0.00	0.00
	Sikkim	62.89	71.55	13.77
	D V C	384.86	367.48	-4.52
	A & N Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.30	0.14	-53.33
	Nagaland	3.20	2.50	-21.88
	Tripura	40.00	40.25	0.63
	Arunachal Pradesh	49.77	39.50	-20.63
	Mizoram	1.56	2.32	48.72
	Central Sector	1193.04	1368.51	14.71
Total(I)		19811.34	18614.90	-6.04
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
III PRIVATE LICENSEES				
WESTERN REGION	Gujarat	0.00	0.00	0.00
	MadhyaPradesh	0.00	0.00	0.00
	Maharashtra	1179.80	1157.61	-1.88
SOUTHERN REGION	AndhraPradesh	0.00	0.00	0.00
	Karnataka	54.00	66.65	23.43
	Kerala	0.00	39.00	0.00
	TamilNadu	0.00	0.00	0.00
EASTERN REGION	West Bengal	0.00	0.00	0.00
Total (III)		1233.80	1263.26	2.39

TABLE No.25(Contd)

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEOVERWISE/REGIONWISE
(GWH)

		S T E A M		
REGION	OWNERSHIP	1995-96	1996-97	%increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	34175.76	35154.90	2.87
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	24669.21	25168.45	2.02
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	4721.83	5151.81	9.11
	Lakshadweep	0.00	0.00	0.00
	Central Sector	27009.91	28378.36	5.07
EASTERN REGION	Bihar	10.00	686.00	6760.00
	Orissa	1223.00	2028.78	65.89
	West Bengal	7138.52	7246.06	1.51
	Sikkim	0.00	0.00	0.00
	D.V.C.	6402.92	6284.21	-1.85
	A. & N. Islands	0.00	0.00	0.00
	Central Sector	10605.68	12185.68	14.90
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripora	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
Total(I)		115956.83	122284.25	5.46
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	1592.93	0.00	-100.00
Total(II)		1592.93	0.00	-100.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	2376.14	2443.58	2.84
	MadhyaPradesh	0.00	0.00	0.00
	Maharashtra	8580.88	10085.84	17.54
SOUTHERN REGION	AndhraPradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	TamilNadu	0.00	0.00	0.00
EASTERN REGION	West Bengal	3916.73	3863.73	-1.35
Total (III)		14873.75	16393.15	10.22

Contd.

TABLE No 25(Contd)

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEMOVERWISE/REGIONWISE
(GWH)

REGION	OWNERSHIP	DIESEL		
		1995-96	1996-97	%increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Lakshadweep	15.41	16.80	9.02
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.74	0.95	28.38
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	83.87	89.77	7.03
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	3.70	1.90	-48.65
	Nagaland	0.45	0.30	-33.33
	Tripura	1.96	2.00	2.04
	Arunachal Pradesh	16.90	17.67	4.56
	Mizoram	13.07	11.82	-9.56
	Central Sector	0.00	0.00	0.00
Total(I)		136.10	141.21	3.75
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	0.00	0.00	0.00
	MadhyaPradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
SOUTHERN REGION	AndhraPradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	TamilNadu	0.00	0.00	0.00
EASTERN REGION	West Bengal	0.00	0.00	0.00
Total (III)		0.00	0.00	0.00

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
(GWH)

		WIND		
REGION	OWNERSHIP	1995-96	1996-97	%increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
WESTERN REGION	Gujarat	10.18	8.86	-12.97
	Goa	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.34	4.35	1179.41
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
Total(I)		10.52	13.21	25.57
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	1.79	109.00	5989.39
	MAhyaPradesh	0.00	5.98	0.00
	Maharashtra	0.00	2.58	0.00
SOUTHERN REGION	AndhraPradesh	0.00	39.27	0.00
	Karnataka	0.00	0.19	0.00
	Kerala	0.00	0.00	0.00
	Tamilnadu	0.00	682.71	0.00
EASTERN REGION	West Bengal	0.00	0.00	0.00
Total (III)		1.79	839.73	0.00

TABLE No.25(Contd)

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
(GWH)

		G A S		
REGION	OWNERSHIP	1995-96	1996-97	%increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	9966.62	10468.94	5.04
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	4333.65	4587.90	5.87
SOUTHERN REGION	Andhra Pradesh	540.33	627.00	16.04
	Karnataka	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	42.09	15.63	-62.87
	A. & N. Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	152.24	210.00	37.94
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	336.02	529.94	57.71
Total(I)		15370.95	16439.41	6.95
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	625.69	0.00	0.00
Total(II)		625.69	0.00	0.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	551.82	1615.00	192.67
	MadhyaPradesh	0.00	0.00	0.00
	Maharashtra	1468.15	1259.00	-14.25
SOUTHERN REGION	AndhraPradesh	0.00	374.92	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	TamilNadu	0.00	0.00	0.00
EASTERN REGION	West Bengal	23.00	18.00	-21.74
Total (III)		2042.97	3266.92	59.91

Contd

TABLE No.25(Contd)

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEVERWISE/REGIONWISE
(GWH)

REGION	OWNERSHIP	NUCLEAR		
		1995-96	1996-97	%increase
ELECTRICITY DEPARTMENTS/ GOVERNMENT UNDERTAKINGS/ CORPORATION/ CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	2751.68	2825.98	2.70
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	3819.97	4260.13	11.52
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	1410.00	1985.00	40.78
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
Total(I)		7981.65	9071.11	13.65
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	0.00	0.00	0.00
Total(II)		0.00	0.00	0.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh			
	Maharashtra	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
EASTERN REGION	West Bengal	0.00	0.00	0.00
Total (III)		0.00	0.00	0.00

TABLE No. 26

CLASSIFICATION OF GENERATING UNDERTAKINGS GENERATIONWISE
DURING 1996-97

Range of generation (GWH)	No of under takings	Total energy generated (GWH)	% of total	Installed capacity of the group(MW)	% of Total
Under 1	8	0.19	0.00	102.47	0.12
Over 1 upto 10	5	22.26	0.00	42.58	0.05
Over 10 upto 25	2	30.94	0.01	32.59	0.04
Over 25 upto 50	3	125.97	0.03	83.14	0.09
Over 50 upto 100	4	286.09	0.07	121.35	0.14
Over 100 upto 250	3	514.25	0.13	247.09	0.29
Over 250 upto 500	4	1406.00	0.36	584.52	0.68
Over 500 upto 1000	7	5575.87	1.41	2321.21	2.71
Over 1000 upto 5000	13	32321.29	8.16	9484.59	11.06
Over 5000 upto1000	7	50145.63	12.67	12940.84	15.08
Over 10000	11	305460.96	77.16	59834.99	69.74
	67	395889.45	100.00	85795.37	100.00

SECTION- IV

CAPTIVE PLANTS

SECTION -IV**CAPTIVE PLANTS**

Industries having captive plants capacity of 1.00 MW and above.

Industrial Sector is the largest consumer of energy. Besides taking power from Utilities, a number of industries representing primary producers of infrastructure material such as Aluminum, Cement, Fertilizers, Iron & Steel, Paper and Sugar etc. have their own captive power plants either to supplement the electricity purchased from the Utilities or for emergency use in case of power cut or for producing energy as a by-product of their industrial process. The units having their own captive plants with a total installed capacity of 1000 KW and above have been collected and highlighted in this section from the year 1986-87.

While during the year 1995-96 as per data available, there were 1757 selected industrial units, as per the above criteria, with a total installed capacity of 11628979 KW and these generated 38142.22 GWH of electricity.

During the year under review the total number of industries have gone down to 1640 as number of industries in categories such as sugar, textiles, iron & steel(P) etc. in various States have either been closed down or not working due to the recession in the industry and as a result in the absence of data for the last couple of years these industries, the same have been excluded this year. Also due to reclassification of industries from one type of industry to another type of industry the figures may be inconsistent in comparison to last year figures. However the total Installed capacity increased to 11916314 KW and these generated 40815.01 GWH during the year 1996-97.

Apart from industrial units, Railways have also got captive generating sets, which are mainly used as standby for emergency purpose. Total capacity of captive plants of Railways during the year 1996-97 was 1,62,620 KW and they generated 25.07 GWH of electricity.

Thus the total installed capacity of captive plants was 12079 MW having gross generation of 40840 GWH during the year 1996-97.

**GROSS ENERGY GENERATION IN RESPECT OF NON- UTILITIES
DURING THE YEAR 1996-97.**

Category	Total	Hydro	Steam	Diesel & Wind	Gas	Nuclear
1. Selected Industries*	40815.01	28.84	29127.94	6619.01	5039.22	0.00
2. Railways	25.07	0.00	2.00	23.07	0.00	0.00
Total	40840.08	28.84	29129.94	6642.08	5039.22	0.00

91.88% of total captive generation was contributed by the industries of ten categories producing primary infrastructure material and generating above 1000 GWH individually. The break up of capacity and generation for the year 96-97 is given below :-

Sl.No.	Name of Industry	Installed Capacity(MW)	Energy Generation (GWH)
1.	Aluminium (P)	1408	10128
2.	Cement (P)	1044	2568
3.	Chemicals	954	2567
4.	Fertilizers	1060	4006
5.	Iron & Steel (P)	1428	6895
6.	Mineral Oil & Petroleum	800	3278
7.	Non-Ferrous	402	1232
8.	Paper	516	1967
9.	Sugar	789	1732
10.	Textile	1506	3126
	Sub-Total	9907	37499
11.	Other industries	2009	3316
12.	Railway	163	25
13.	Total	12079	40840

Various tables in this Section depict the salient features of captive plants in the country.

TABLE NO.27
 INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
 REGIONWISE/STATEWISE AS ON 31ST MARCH, 1997.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
 (IN KW)

Region	State/U.Ts.	Aluminium (Primary)	Aluminium (Secondary)	Auto- mobiles
1	2	3	4	5
NORTHERN REGION	Haryana	0	1520	64916
	Himachal Pradesh	0	0	0
	Jammu & Kashmir	0	0	0
	Punjab	0	0	3616
	Rajasthan	0	1888	1000
	Uttar Pradesh	351000	0	14626
	Chandigarh	0	0	0
	Delhi	0	0	0
	Sub-Total	351000	3408	84158
WESTERN REGION	Gujarat	0	0	0
	Madhya Pradesh	270000	0	8720
	Maharashtra	0	0	35755
	Goa	0	0	0
	Daman & Diu	0	0	0
	D. & N.Haveli	0	0	0
	Sub-Total	270000	0	44475
SOUTHERN REGION	Andhra Pradesh	0	1600	0
	Karnataka	0	0	6912
	Kerala	0	0	0
	Tamil Nadu	0	0	12560
	Pondicherry	0	0	0
	Lakshadweep	0	0	0
	Sub-Total	0	1600	19472
EASTERN REGION	Bihar	0	6500	0
	Orissa	787500	55500	0
	West Bengal	0	3816	16720
	A. & N. Islands	0	0	0
	Sikkim	0	0	0
	Sub-Total	787500	65816	16720
NORTH EASTERN REGION	Assam	0	0	0
	Manipur	0	0	0
	Meghalaya	0	0	0
	Nagaland	0	0	0
	Tripura	0	0	0
	Arunachal Pradesh	0	0	0
	Mizoram	0	0	0
	Sub-Total	0	0	0
	Total (All India)	1408500	70824	164825

Contd.

TABLE NO.27
 INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
 REGIONWISE/STATEWISE AS ON 31ST MARCH, 1997.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(IN KW)

Region	State/U.Ts.	Cement	Cement	Chemicals	Collieries
		(Primary)	(Secondary)		
		6	7	8	9
NORTHERN REGION	Haryana	8000	14364	11367	0
	Himachal Pradesh	30200	0	0	0
	Jammu & Kashmir	0	0	0	0
	Punjab	0	0	17093	0
	Rajasthan	167256	0	12000	0
	Uttar Pradesh	1260	2008	33140	0
	Chandigarh	0	0	2735	0
	Delhi	0	0	0	0
	Sub-Total	206716	16372	76335	0
WESTERN REGION	Gujarat	40200	3344	364769	0
	Madhya Pradesh	320200	15952	28594	0
	Maharashtra	10000	0	72235	0
	Goa	0	0	8932	0
	Daman & Diu	0	0	0	0
	D. & N. Haveli	0	0	0	0
	Sub-Total	370400	19296	474530	0
SOUTHERN REGION	Andhra Pradesh	200008	1952	191983	59400
	Karnataka	172160	1450	55206	0
	Kerala	0	0	24102	0
	Tamil Nadu	43608	0	120604	0
	Pondicherry	0	0	0	0
	Lakshadweep	0	0	0	0
	Sub-Total	415776	3402	391895	59400
EASTERN REGION	Bihar	29020	0	0	46800
	Orissa	20000	3713	2100	0
	West Bengal	0	0	9504	0
	A. & N. Islands	0	0	0	0
	Sikkim	0	0	0	0
	Sub-Total	49020	3713	11604	46800
NORTH EASTERN REGION	Assam	2400	0	0	3200
	Manipur	0	0	0	0
	Meghalaya	0	0	0	0
	Nagaland	0	0	0	0
	Tripura	0	0	0	0
	Arunachal Pradesh	0	0	0	0
	Mizoram	0	0	0	0
	Sub-Total	2400	0	0	3200
	Total (All India)	1044312	42783	954364	109400

Contd.

TABLE NO.27
 INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
 REGIONWISE/STATEWISE AS ON 31ST MARCH, 1997.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(IN KW)

Region	State/U. Ts.	Electrical Engineering	Fertilizer	Food Products	Heavy Engineering
		10	11	12	13
NORTHERN REGION	Haryana	17524	32600	9680	8229
	Himachal Pradesh	0	0	0	0
	Jammu & Kashmir	0	0	0	0
	Punjab	5538	32400	32250	4200
	Rajasthan	4764	111424	1012	5705
	Uttar Pradesh	39704	205660	10432	8174
	Chandigarh	3020	0	0	0
	Delhi	0	27500	5120	0
	Sub-Total	70550	409584	58494	26308
WESTERN REGION	Gujarat	4200	179625	6844	0
	Madhya Pradesh	11840	34450	4568	1220
	Maharashtra	19770	48000	2774	16455
	Goa	0	0	0	0
	Daman & Diu	0	0	0	0
	D. & N. Haveli	1200	0	0	0
		Sub-Total	37010	262075	14186
SOUTHERN REGION	Andhra Pradesh	4970	39080	5806	17938
	Karnataka	29888	52000	1752	15576
	Kerala	6720	28400	0	0
	Tamil Nadu	2310	11040	12088	34996
	Pondicherry	0	0	0	0
	Lakshadweep	0	0	0	0
	Sub-Total	43888	130520	19646	68510
EASTERN REGION	Bihar	2690	98500	0	54920
	Orissa	1000	72300	0	3508
	West Bengal	9414	57100	17686	8150
	A. & N. Islands	0	0	0	0
	Sikkim	0	0	0	0
	Sub-Total	13104	227900	17686	66578
NORTH EASTERN REGION	Assam	0	30000	0	0
	Manipur	0	0	0	0
	Meghalaya	0	0	0	0
	Nagaland	0	0	0	0
	Tripura	0	0	0	0
	Arunachal Pradesh	0	0	0	0
	Mizoram	0	0	0	0
		Sub-Total	0	30000	0
	Total (All India)	164552	1060079	110012	179071

TABLE NO.27
 INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
 REGIONWISE/STATEWISE AS ON 31ST MARCH, 1997.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(IN KW)

Region	State/U. Ts.	Iron & Steel (Primary)	Iron & Steel (Secondary)	Jute	Light Engineerin
		14	15	16	17
NORTHERN REGION	Haryana	0	29260	0	16318
	Himachal Pradesh	0	0	0	5616
	Jammu & Kashmir	0	0	0	0
	Punjab	2400	9308	0	22832
	Rajasthan	0	1960	0	9384
	Uttar Pradesh	0	13715	2750	25587
	Chandigarh	0	0	0	0
	Delhi	0	0	0	0
	Sub-Total	2400	54243	2750	79737
WESTERN REGION	Gujarat	0	25912	0	10168
	Madhya Pradesh	110000	9178	3120	22072
	Maharashtra	0	21650	0	31652
	Goa	0	0	0	0
	Daman & Diu	0	0	0	0
	D. & N. Haveli	0	0	0	0
	Sub-Total	110000	56740	3120	63892
SOUTHERN REGION	Andhra Pradesh	294816	13338	4562	4702
	Karnataka	5600	1200	2016	26072
	Kerala	0	0	0	2388
	Tamil Nadu	0	12678	0	22282
	Pondicherry	0	0	0	0
	Lakshadweep	0	0	0	0
	Sub-Total	300416	27216	6578	55444
EASTERN REGION	Bihar	556100	18234	2802	0
	Orissa	259400	4600	1000	0
	West Bengal	200000	13232	152749	8496
	A. & N. Islands	0	0	0	0
	Sikkim	0	0	0	0
	Sub-Total	1015500	36066	156551	8496
NORTH EASTERN REGION	Assam	0	0	0	0
	Manipur	0	0	0	0
	Meghalaya	0	0	0	0
	Nagaland	0	0	0	0
	Tripura	0	0	0	0
	Arunachal Pradesh	0	0	0	0
	Mizoram	0	0	0	0
	Sub-Total	0	0	0	0
	Total (All India)	1428316	174265	168999	207569

Contd.

TABLE NO.27
 INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
 REGIONWISE/STATEWISE AS ON 31ST MARCH, 1997.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(IN KW)

Region	State/U.Ts.	Mineral Oil & Petroleum	Mining & Quarrying	Miscell- aneous	Non- Ferrous	Paper
		18	19	20	21	22
NORTHERN REGION	Haryana	1340	0	41792	0	30976
	Himachal Pradesh	0	0	11312	0	0
	Jammu & Kashmir	0	0	0	0	0
	Punjab	0	0	3000	0	4420
	Rajasthan	0	0	6352	60766	3480
	Uttar Pradesh	37500	0	58724	0	42390
	Chandigarh	0	0	0	0	0
	Delhi	0	0	0	0	0
	Sub-Total	38840	0	121180	60766	81266
WESTERN REGION	Gujarat	254415	8350	167858	0	7200
	Madhya Pradesh	6750	0	18294	13600	51270
	Maharashtra	80322	0	20150	2688	47816
	Goa	0	0	0	0	0
	Daman & Diu	0	0	0	0	0
	D & N.Haveli	0	1300	0	0	0
	Sub-Total	341487	9650	206302	16288	106286
SOUTHERN REGION	Andhra Pradesh	20000	0	14336	93648	71060
	Karnataka	45000	25300	10474	8662	45590
	Kerala	24500	0	3416	10300	15000
	Tamil Nadu	67900	0	55602	11726	53805
	Pondicherry	0	0	6900	0	0
	Lakshadweep	0	0	0	0	0
	Sub-Total	157400	25300	90728	124336	185455
EASTERN REGION	Bihar	36500	3000	1000	29800	16000
	Orissa	0	0	0	172426	48350
	West Bengal	31500	0	10544	0	31925
	A & N Islands	0	0	1308	0	0
	Sikkim	0	0	0	0	0
	Sub-Total	68000	3000	12852	202226	96275
NORTH- EASTERN REGION	Assam	194147	0	0	0	38300
	Manipur	0	0	0	0	0
	Meghalaya	0	0	0	0	0
	Nagaland	0	0	0	0	8000
	Tripura	0	0	0	0	0
	Arunachal Pradesh	0	0	0	0	0
Mizoram	0	0	0	0	0	
	Sub-Total	194147	0	0	0	46300
	Total (All India)	799874	37950	431062	403616	515582

* This includes Gujarat Industries Power Corpn Ltd

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TABLE NO.27
 INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
 REGIONWISE/STATEWISE AS ON 31ST MARCH, 1997.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(IN KW)

Region	State/U.Ts.	Plastic	Rubber	Sugar	Textile	Total (3to26)
		23	24	25	26	27
NORTHERN REGION	Haryana	0	12352	13360	33824	347422
	Himachal Pradesh	0	0	0	23092	70220
	Jammu & Kashmir	0	0	0	2732	2732
	Punjab	0	4872	37950	79455	259334
	Rajasthan	0	34542	1500	144058	567091
	Uttar Pradesh	0	7235	262967	150880	1267752
	Chandigarh	0	0	0	0	5755
	Delhi	0	0	0	15056	47676
	Sub-Total	0	59001	315777	449097	2567982
WESTERN REGION	Gujarat	0	3632	56988	230603	1364108
	Madhya Pradesh	0	0	12980	199818	1142626
	Maharashtra	0	10478	156106	91471	667322
	Goa	0	3840	0	0	12772
	Daman & Diu	0	0	0	0	0
	D. & N.Haveli	0	0	0	12036	14536
	Sub-Total	0	17950	226074	533928	3201364
SOUTHERN REGION	Andhra Pradesh	0	12390	46066	65064	1162719
	Karnataka	0	7706	40636	43615	596815
	Kerala	0	11320	6250	27164	159560
	Tamil Nadu	12500	16310	107416	332629	930054
	Pondicherry	0	0	5000	3136	15036
	Lakshadweep	0	0	0	0	0
		Sub-Total	12500	47726	205368	471608
EASTERN REGION	Bihar	0	0	37018	1184	940068
	Orissa	0	0	3000	20848	1455245
	West Bengal	0	8600	0	27804	607240
	A. & N. Islands	0	0	0	0	1308
	Sikkim	0	0	0	0	0
	Sub-Total	0	8600	40018	49836	3003861
NORTH EASTERN REGION	Assam	0	0	0	1376	269423
	Manipur	0	0	0	0	0
	Meghalaya	0	0	0	0	0
	Nagaland	0	0	1500	0	9500
	Tripura	0	0	0	0	0
	Arunachal Pradesh	0	0	0	0	0
	Mizoram	0	0	0	0	0
		Sub-Total	0	0	1500	1376
	Total (All India)	12500	133277	788737	1505845	11916314

TABLE NO.28

**GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
(GWH)**

Region	State/U.Ts.	Aluminium (Primary)	Aluminium (Secondary)	Automobile
1	2	3	4	5
NORTHERN REGION	Haryana	0.00	1.07	249.38
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	2.45
	Rajasthan	0.00	1.10	0.07
	Uttar Pradesh	2946.22	0.00	8.84
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	2946.22	2.17	260.74
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	2045.68	0.00	6.79
	Maharashtra	0.00	0.00	6.04
	Goa	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
		Sub-Total	2045.68	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	1.90	0.00
	Karnataka	0.00	0.00	17.39
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	14.50
	Pondicherry	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
		Sub-Total	0.00	1.90
EASTERN REGION	Bihar	0.00	25.56	0.00
	Orissa	5136.21	250.07	0.00
	West Bengal	0.00	2.16	0.70
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
		Sub-Total	5136.21	277.79
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
		Sub-Total	0.00	0.00
	Total (All India)	10128.11	281.86	306.16

Contd.

TABLE NO.28 (Contd.)

**GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)**

(GWH)

Region	State/U.Ts.	Cement (Primary)	Cement (Secondary)	Chemicals	Collieries
		6	7	8	9
NORTHERN REGION	Haryana	5.88	16.47	8.21	0.00
	Himachal Pradesh	54.17	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	31.97	0.00
	Rajasthan	329.37	0.00	73.69	0.00
	Uttar Pradesh	0.00	0.79	83.23	0.00
	Chandigarh	0.00	0.00	0.22	0.00
	Delhi	0.00	0.00	0.00	0.00
	Sub-Total	389.42	17.26	197.32	0.00
WESTERN REGION	Gujarat	104.80	2.37	839.89	0.00
	Madhya Pradesh	710.49	9.28	94.90	0.00
	Maharashtra	65.21	0.00	90.42	0.00
	Goa	0.00	0.00	57.94	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
		Sub-Total	880.50	11.65	1083.15
SOUTHERN REGION	Andhra Pradesh	542.23	3.99	705.02	99.53
	Karnataka	552.99	4.60	181.07	0.00
	Kerala	0.00	0.00	62.20	0.00
	Tamil Nadu	64.96	0.00	305.42	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
	Sub-Total	1160.18	8.59	1253.71	99.53
EASTERN REGION	Bihar	64.81	0.00	0.00	148.48
	Orissa	72.83	0.32	2.04	0.00
	West Bengal	0.00	0.00	30.98	0.00
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
		Sub-Total	137.64	0.32	33.02
NORTH- EASTERN REGION	Assam	0.06	0.00	0.00	1.69
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Sub-Total	0.06	0.00	0.00	1.69
	Total (All India)	2567.80	37.82	2567.20	249.70

Contd.

TABLE NO.28 (Contd.)

GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region	State/U.Ts.	Electrical	Ferti-	Food	Heavy
		Engineerin	lizers	Products	Engineerin
		10	11	12	13
NORTHERN REGION	Haryana	17.85	131.97	7.55	4.96
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	1.59	145.29	21.31	0.34
	Rajasthan	2.90	719.50	1.30	2.97
	Uttar Pradesh	43.68	685.60	5.70	4.83
	Chandigarh	1.63	0.00	0.00	0.00
	Delhi	0.00	97.49	0.87	0.00
Sub-Total		67.65	1779.85	36.73	13.10
WESTERN REGION	Gujarat	3.85	1045.53	7.89	0.00
	Madhya Pradesh	11.31	114.48	1.85	1.93
	Maharashtra	24.68	204.83	0.59	20.54
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N.Haveli	2.36	0.00	0.00	0.00
Sub-Total		42.20	1364.84	10.33	22.47
SOUTHERN REGION	Andhra Pradesh	2.44	183.75	3.23	10.50
	Karnataka	10.18	224.87	1.67	19.28
	Kerala	4.81	135.60	0.00	0.00
	Tamil Nadu	7.89	23.87	7.76	27.53
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
Sub-Total		25.32	568.09	12.66	57.31
EASTERN REGION	Bihar	0.10	79.60	0.00	34.59
	Orissa	1.58	84.52	0.00	0.31
	West Bengal	0.18	1.63	6.15	0.56
	A & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
Sub-Total		1.86	165.75	6.15	35.46
NORTH EASTERN REGION	Assam	0.00	127.74	0.00	0.00
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
Sub-Total		0.00	127.74	0.00	0.00
Total (All India)		137.03	4006.27	65.87	128.34

Contd.

TABLE NO.28 (Contd.)

GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region	State/U.Ts	Iron & Steel	Iron & Ste	Jute	Light
		(Primary)	(Secondary)		Engineerin
		14	15	16	17
NORTHERN REGION	Haryana	0.00	68.16	0.00	14.47
	Himachal Pradesh	0.00	0.00	0.00	1.96
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	1.96	0.00	9.41
	Rajasthan	0.00	1.92	0.00	10.46
	Uttar Pradesh	0.00	5.26	1.41	11.51
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Sub-Total	0.00	77.30	1.41	47.81
WESTERN REGION	Gujarat	0.00	122.84	0.00	1.86
	Madhya Pradesh	814.93	11.06	0.00	2.97
	Maharashtra	0.00	6.69	0.00	3.84
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Sub-Total	814.93	140.59	0.00	8.67
SOUTHERN REGION	Andhra Pradesh	1883.98	10.87	0.40	0.69
	Karnataka	34.54	0.27	0.69	47.94
	Kerala	0.00	0.00	0.00	1.35
	Tamil Nadu	0.00	2.58	0.00	12.19
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
	Sub-Total	1918.52	13.72	1.09	62.17
EASTERN REGION	Bihar	2197.58	22.49	1.92	0.00
	Orissa	1178.08	1.34	1.03	0.00
	West Bengal	785.50	1.23	104.78	3.39
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	4161.16	25.06	107.73	3.39
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00	0.00
	Total (All India)	6894.61	256.67	110.23	122.04

Contd.

TABLE NO.28 (Contd.)

GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region	State/U. Ts.	Mineral Oil	Mining &	Miscell-	Non-	Paper
		& Petroleum	Quarrying	aneous	Ferrous	
		18	19	20	21	22
NORTHERN REGION	Haryana	0.86	0.00	65.86	0.00	155.94
	Himachal Pradesh	0.00	0.00	5.79	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	1.94	0.00	4.47
	Rajasthan	0.00	0.00	11.58	53.49	3.58
	Uttar Pradesh	156.65	0.00	39.16	0.00	188.78
	Chandigarh	0.00	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00	0.00
	Sub-Total	157.51	0.00	124.33	53.49	352.77
WESTERN REGION	Gujarat	1149.78	8.32	1052.57	0.00	35.02
	Madhya Pradesh	19.21	0.00	6.33	5.47	129.13
	Maharashtra	505.70	0.00	20.64	0.17	212.94
	Goa	0.00	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00	0.00
	D. & N.Haveli	0.00	0.60	5.75	0.00	0.00
	Sub-Total	1674.69	8.92	1085.29	5.64	377.09
SOUTHERN REGION	Andhra Pradesh	98.82	0.00	20.67	316.13	352.44
	Karnataka	214.16	10.55	15.18	0.33	209.46
	Kerala	137.53	0.00	4.48	60.76	65.30
	Tamil Nadu	331.90	0.00	95.04	11.84	225.78
	Pondicherry	0.00	0.00	2.08	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00	0.00
	Sub-Total	782.41	10.55	137.45	389.06	852.98
EASTERN REGION	Bihar	109.26	0.00	0.44	25.56	0.00
	Orissa	0.00	0.00	0.00	758.65	184.73
	West Bengal	143.08	0.00	0.56	0.00	5.83
	A & N. Islands	0.00	0.00	0.91	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	252.34	0.00	1.91	784.21	190.56
NORTH EASTERN REGION	Assam	411.21	0.00	0.00	0.00	194.07
	Manipur	0.00	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00	0.00
	Sub-Total	411.21	0.00	0.00	0.00	194.07
	Total (All India)	3278.16	19.47	1348.98	1232.40	1967.47

* This includes Gujarat Industries Power Company Ltd(GIPCL).

Contd.

TABLE NO 28 (Contd.)

GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
REGIONWISE STATEWISE DURING THE YEAR 1996-97
HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region	State-U T's	Plastic	Rubber	Sugar	Textile	Total
		23	24	25	26	27
NORTHERN REGION	Haryana	0.00	23.58	37.83	93.85	903.89
	Himachal Pradesh	0.00	0.00	0.00	36.15	98.07
	Jammu & Kashmir	0.00	0.00	0.00	1.31	1.31
	Punjab	0.00	2.10	77.07	115.77	415.67
	Rajasthan	0.00	32.94	1.95	266.12	1512.94
	Uttar Pradesh	0.00	4.13	564.37	232.41	4982.57
	Chandigarh	0.00	0.00	0.00	0.00	1.85
	Delhi	0.00	0.00	0.00	6.63	104.99
	Sub-Total	0.00	62.75	681.22	752.24	8021.29
WESTERN REGION	Gujarat	0.00	7.39	145.81	699.40	5227.32
	Madhya Pradesh	0.00	0.00	22.31	640.56	4648.68
	Maharashtra	0.00	1.46	297.66	124.52	1585.93
	Goa	0.00	17.45	0.00	0.00	75.39
	Daman & Diu	0.00	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	17.94	26.65
	Sub-Total	0.00	26.30	465.78	1482.42	11563.97
SOUTHERN REGION	Andhra Pradesh	0.00	30.27	69.11	154.78	4490.75
	Karnataka	0.00	13.55	109.88	166.81	1835.41
	Kerala	0.00	29.44	2.01	47.53	551.01
	Tamil Nadu	37.88	32.80	320.02	436.54	1958.50
	Pondicherry	0.00	0.00	9.82	0.89	12.79
	Lakshadweep	0.00	0.00	0.00	0.00	0.00
	Sub-Total	37.88	106.06	510.84	806.55	8848.46
EASTERN REGION	Bihar	0.00	0.00	67.84	0.43	2778.66
	Orissa	0.00	0.00	4.42	41.92	7718.05
	West Bengal	0.00	17.90	0.00	39.84	1144.47
	A. & N. Islands	0.00	0.00	0.00	0.00	0.91
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.00	17.90	72.26	82.19	11642.09
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	2.43	737.20
	Manipur	0.00	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	2.00	0.00	2.00
	Tripura	0.00	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.00	0.00	2.00	2.43	739.20
	Total (All India)	37.88	213.01	1732.10	3125.83	40815.01

TABLE No.29

INDUSTRYWISE INSTALLED CAPACITY, ELECTRICITY PRODUCTION AND
CONSUMPTION IN SELECTED INDUSTRIES DURING 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1MW & ABOVE)

(KW)

Name of Industry	No. of Factorie	INSTALLED CAPACITY AS ON 31.03.97						Total
		Covered	Hydro	Steam	Diesel	Gas	Wind	
1	2	3	4	5	6	7	8	
Aluminium (Primary)	4	0	1408500	0	0	0	1408500	
Aluminium (Secondary)	8	0	62000	8824	0	0	70824	
Automobiles	29	0	0	124825	40000	0	164825	
Cement (Primary)	87	0	318000	726312	0	0	1044312	
Cement (Secondary)	15	0	0	42783	0	0	42783	
Chemicals	169	0	426870	452544	50500	24450	954364	
Collieries	8	0	103400	6000	0	0	109400	
Electrical Engg.	63	0	15000	143552	6000	0	164552	
Fertilizer	39	0	578750	91769	389560	0	1060079	
Food Products	56	0	3200	101987	2800	2025	110012	
Heavy Engineering	41	0	0	165671	0	13400	179071	
Iron & Steel (Primary)	16	0	1343900	60416	24000	0	1428316	
Iron & Steel (Secondary)	58	0	3000	151065	20200	0	174265	
Jute	64	0	0	168999	0	0	168999	
Light Engineering	86	0	1500	206069	0	0	207569	
Mineral Oil & Petroleum	21	0	322150	109587	352822	15315	799874	
Mining & Quarrying	7	0	8400	29550	0	0	37950	
Miscellaneous	103	0	35300	250762	145000	0	431062	
Non-Ferrous	26	0	116800	266816	20000	0	403616	
Paper	51	0	442235	73347	0	0	515582	
Plastic	1	0	0	0	12500	0	12500	
Rubber	28	0	14600	118677	0	0	133277	
Sugar	228	0	707712	81025	0	0	788737	
Textile	432	3500	240370	1149325	103000	9650	1505845	
Total	1640	3500	6151687	4529905	1166382	64840	11916314	

Note:- Number of Industries in certain States /categories of industries have gone down due to deletion/reclassification of industries resulting in decrease in installed plant capacity/generation.

Contd..

TABLE No.29(Contd.)

**INDUSTRYWISE INSTALLED CAPACITY, ELECTRICITY PRODUCTION AND
CONSUMPTION IN SELECTED INDUSTRIES DURING 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1MW & ABOVE)**

(GWH)

Name of Industry	ENERGY GENERATED					
	Hydro	Steam	Diesel	Gas	Wind	Total
	9	10	11	12	13	14
Aluminium (Primary)	0.00	10128.11	0.00	0.00	0.00	10128.11
Aluminium (Secondary)	0.00	275.63	6.23	0.00	0.00	281.86
Automobiles	0.00	0.00	79.14	227.02	0.00	306.16
Cement (Primary)	0.00	1049.88	1517.92	0.00	0.00	2567.80
Cement (Secondary)	0.00	0.00	37.82	0.00	0.00	37.82
Chemicals	0.00	1686.86	800.23	63.01	17.10	2567.20
Collieries	0.00	247.58	2.12	0.00	0.00	249.70
Electrical Engg.	0.00	12.15	102.98	21.90	0.00	137.03
Fertilizer	0.00	2626.94	302.09	1077.24	0.00	4006.27
Food Products	0.00	3.61	56.79	2.51	2.96	65.87
Heavy Engineering	0.00	0.00	112.99	0.00	15.35	128.34
Iron & Steel (Primary)	0.00	6891.06	3.55	0.00	0.00	6894.61
Iron & Steel (Secondary)	0.00	18.55	117.19	120.93	0.00	256.67
Jute	0.00	0.00	110.23	0.00	0.00	110.23
Light Engineering	0.00	1.02	121.02	0.00	0.00	122.04
Mineral Oil & Petroleum	0.00	1316.64	134.67	1826.85	0.00	3278.16
Mining & Quarrying	0.00	6.34	13.13	0.00	0.00	19.47
Miscellaneous	0.00	90.08	211.15	1047.75	0.00	1348.98
Non-Ferrous	0.00	531.18	674.22	27.00	0.00	1232.40
Paper	0.00	1756.51	210.96	0.00	0.00	1967.47
Plastic	0.00	0.00	0.00	37.88	0.00	37.88
Rubber	0.00	21.90	191.11	0.00	0.00	213.01
Sugar	0.00	1589.46	142.64	0.00	0.00	1732.10
Textile	28.84	874.44	1625.20	587.13	10.22	3125.83
Total	28.84	29127.94	6573.38	5039.22	45.63	40815.01

Contd..

TABLE No.29(Contd.)

**INDUSTRYWISE INSTALLED CAPACITY, ELECTRICITY PRODUCTION AND
CONSUMPTION IN SELECTED INDUSTRIES DURING 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1MW & ABOVE)
(GWH)**

Name of Industry	Energy used in station auxiliaries	Net energy generation (14-15)	Energy sold to utilities
	15	16	17
Aluminium (Primary)	991.98	9136.13	928.13
Aluminium (Secondary)	82.96	198.90	0.00
Automobiles	3.03	303.13	92.40
Cement (Primary)	164.68	2403.12	0.00
Cement (Secondary)	0.85	36.97	0.00
Chemicals	235.80	2331.40	0.00
Collieries	31.97	217.73	0.00
Electrical Engg.	8.43	128.60	0.00
Fertilizer	332.74	3673.53	35.31
Food Products	1.48	64.39	0.00
Heavy Engineering	4.57	123.77	0.00
Iron & Steel (Primary)	1157.55	5737.06	279.51
Iron & Steel (Secondary)	7.83	248.84	0.00
Jute	3.58	106.65	0.00
Light Engineering	2.27	119.77	0.00
Mineral Oil & Petroleum	237.93	3040.23	129.39
Mining & Quarrying	0.62	18.85	0.00
Miscellaneous	39.91	1309.07	353.53
Non-Ferrous	59.46	1172.94	56.18
Paper	219.58	1747.89	0.00
Plastic	1.89	35.99	0.00
Rubber	9.01	204.00	0.00
Sugar	105.72	1626.38	1.90
Textile	146.70	2979.13	0.00
Total	3850.54	36964.47	1876.35

Contd..

TABLE No.29(Contd.)

INDUSTRYWISE INSTALLED CAPACITY, ELECTRICITY PRODUCTION AND
CONSUMPTION IN SELECTED INDUSTRIES DURING 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1MW & ABOVE)
(GWH)

Name of Industry	Energy used in th industry out of sel generation(16-17)	Energy purchased from Utilities	Energy consumed in the industry (18+19)
	18	19	20
Aluminium (Primary)	8208.00	341.51	8549.51
Aluminium (Secondary)	198.90	142.41	341.31
Automobiles	210.73	544.65	755.38
Cement (Primary)	2403.12	4384.51	6787.63
Cement (Secondary)	36.97	262.37	299.34
Chemicals	2331.40	3428.79	5760.19
Collieries	217.73	1181.01	1398.74
Electrical Engg.	128.60	511.66	640.26
Fertilizer	3638.22	3574.53	7212.75
Food Products	64.39	330.97	395.36
Heavy Engineering	123.77	594.89	718.66
Iron & Steel (Primary)	5457.55	4340.29	9797.84
Iron & Steel (Secondary)	248.84	1327.85	1576.69
Jute	106.65	666.12	772.77
Light Engineering	119.77	680.65	800.42
Mineral Oil & Petroleum	2910.84	180.81	3091.65
Mining & Quarrying	18.85	468.14	486.99
Miscellaneous	955.54	40.90	996.44
Non-Ferrous	1116.76	1546.06	2662.82
Paper	1747.89	1001.16	2749.05
Plastic	35.99	0.00	35.99
Rubber	204.00	466.13	670.13
Sugar	1624.48	370.92	1995.40
Textile	2979.13	6025.30	9004.43
Total	35088.12	32411.63	67499.75

Table No.30(Contd.)
 INSTALLED CAPACITY, ELECTRICITY, GENERATION AND CONSUMPTION
 IN SELECTED INDUSTRIES REGIONWISE/STATEWISE DURING 1996-97.
 (HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

Region State/U. Ts.	No. Of Industries covered	INSTALLED CAPACITY (KW) AS ON 31.3.97					
		Hydro	Steam	Diesel	Gas	Wind	Total
NORTHERN REGION							
Haryana	80	0	68890	238532	40000	0	347422
Himachal Pradesh	17	0	0	70220	0	0	70220
Jammu & Kashmir	2	0	0	2732	0	0	2732
Punjab	85	0	69190	190144	0	0	259334
Rajasthan	72	0	141280	370491	55320	0	567091
Uttar Pradesh	220	0	741427	347325	179000	0	1267752
Chandigarh	2	0	0	5755	0	0	5755
Delhi	7	0	39500	8176	0	0	47676
	485	0	1060287	1233375	274320	0	2567982
WESTERN REGION							
Gujarat	144	0	479910	351963	515920	16315	1364108
Madhya Pradesh	97	0	658350	446826	34450	0	1139626
Maharashtra	177	0	251265	318335	98322	0	667922
Goa	3	0	7500	5272	0	0	12772
Daman & Diu	0	0	0	0	0	0	0
D & N. Haveli	5	0	0	16936	0	0	16936
Sub-Total	426	0	1397025	1139332	648692	16315	3201364
SOUTHERN REGION							
Andhra Pradesh	125	0	615810	483529	61380	2000	1162719
Karnataka	86	3500	247215	346100	0	0	596815
Kerala	35	0	63650	73910	22000	0	159560
Tamil Nadu	268	0	293775	572614	17140	46525	930054
Pondicherry	7	0	5000	10036	0	0	15036
Lakshdweep	0	0	0	0	0	0	0
Sub-Total	521	3500	1225450	1486189	100520	48525	2864184
EASTERN REGION							
Bihar	41	0	743650	193918	2500	0	940068
Orissa	32	0	1284600	134345	36300	0	1455245
West Bengal	119	0	320975	265115	21150	0	607240
A & N Islands	1	0	0	1308	0	0	1308
Sikkim	0	0	0	0	0	0	0
Sub-Total	193	0	2349225	594686	59950	0	3003861
NORTH EASTERN REGION							
Assam	13	0	110200	76323	82900	0	269423
Manipur	0	0	0	0	0	0	0
Meghalaya	0	0	0	0	0	0	0
Nagaland	2	0	9500	0	0	0	9500
Tripura	0	0	0	0	0	0	0
Arunachal Pradesh	0	0	0	0	0	0	0
Mizoram	0	0	0	0	0	0	0
Sub-Total	15	0	119700	76323	82900	0	278923
Total (All India)	1640	3500	6151687	4529905	1166382	64840	11916314

Note: Number of industries in certain States/categories of industries have gone down due to deletion/reclassification industry resulting in decrease in installed plant capacity/generation.

Contd.

Table No.30(Contd.)

INSTALLED CAPACITY, ELECTRICITY, GENERATION AND CONSUMPTION
IN SELECTED INDUSTRIES REGIONWISE/STATEWISE DURING 1996-97.
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region State/U.Ts.	ENERGY GENERATION						Total	Energy used in station auxiliaries
	Hydro	Steam	Diesel	Gas	Wind			
1	2	3	4	5	6	7	8	
NORTHERN REGION								
Haryana	0.00	322.06	354.81	227.02	0.00	903.89	71.45	
Himachal Pradesh	0.00	0.00	98.07	0.00	0.00	98.07	2.09	
Jammu & Kashmir	0.00	0.00	1.31	0.00	0.00	1.31	0.01	
Punjab	0.00	224.61	191.06	0.00	0.00	415.67	45.48	
Rajasthan	0.00	771.44	600.13	141.37	0.00	1512.94	112.30	
Uttar Pradesh	0.00	4153.58	337.62	491.37	0.00	4982.57	440.94	
Chandigarh	0.00	0.00	1.85	0.00	0.00	1.85	0.07	
Delhi	0.00	102.61	2.38	0.00	0.00	104.99	12.58	
Sub-Total	0.00	5574.30	1587.23	859.76	0.00	8021.29	684.92	
WESTERN REGION								
Gujarat	0.00	1949.65	400.31	2876.48	0.88	5227.32	354.37	
Madhya Pradesh	0.00	3798.83	735.37	114.48	0.00	4648.68	464.65	
Maharashtra	0.00	838.44	221.61	525.88	0.00	1585.93	57.09	
Goa	0.00	56.88	18.51	0.00	0.00	75.39	3.92	
Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
D. & N. Haveli	0.00	0.00	26.65	0.00	0.00	26.65	0.79	
Sub-Total	0.00	6643.80	1402.45	3516.84	0.88	11563.97	880.82	
SOUTHERN REGION								
Andhra Pradesh	0.00	3055.71	1223.42	209.70	1.92	4490.75	437.36	
Karnataka	28.84	1052.30	754.27	0.00	0.00	1835.41	131.83	
Kerala	0.00	258.98	167.10	128.01	0.00	554.09	30.89	
Tamil Nadu	0.00	1155.61	709.76	47.22	42.83	1955.42	93.22	
Pondicherry	0.00	9.82	2.97	0.00	0.00	12.79	0.19	
Lakshdweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sub-Total	28.84	5532.42	2857.52	384.93	44.75	8848.46	693.49	
EASTERN REGION								
Bihar	0.00	2612.96	162.63	3.07	0.00	2778.66	502.97	
Orissa	0.00	7316.74	401.16	0.15	0.00	7718.05	893.63	
West Bengal	0.00	1011.66	132.81	0.00	0.00	1144.47	123.40	
A & N. Islands	0.00	0.00	0.91	0.00	0.00	0.91	0.00	
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sub-Total	0.00	10941.36	697.51	3.22	0.00	11642.09	1520.00	
NORTH EASTERN REGION								
Assam	0.00	434.06	28.67	274.47	0.00	737.20	71.21	
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Nagaland	0.00	2.00	0.00	0.00	0.00	2.00	0.10	
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
Sub-Total	0.00	436.06	28.67	274.47	0.00	739.20	71.31	
Total (All India)	28.84	29127.94	6573.38	5039.22	45.63	40815.01	3850.54	

(Contd.)

INSTALLED CAPACITY, ELECTRICITY, GENERATION AND CONSUMPTION
IN SELECTED INDUSTRIES REGIONWISE/STATEWISE DURING 1996-97.
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

	Net generation (7-8)	Energy sold to utilities 10	Energy used in the state out of self generation (9-10) 11	Energy pur- chased from utilities 12	Energy con- sumption in the state (11+12) 13
NORTHERN REGION					
Haryana	832.44	92.40	740.04	370.90	1110.94
Himachal Pradesh	95.98	0.00	95.98	488.24	584.22
Jammu & Kashmir	1.30	0.00	1.30	62.84	64.14
Punjab	370.19	0.00	370.19	1270.80	1640.99
Rajasthan	1400.64	0.00	1400.64	1984.00	3384.64
Uttar Pradesh	4541.63	0.00	4541.63	2624.64	7166.27
Chandigarh	1.78	0.00	1.78	40.13	41.91
Delhi	92.41	0.00	92.41	43.73	136.14
Sub-Total	7336.37	92.40	7243.97	6885.28	14129.25
WESTERN REGION					
Gujarat	4872.95	359.00	4513.95	3373.86	7887.81
Madhya Pradesh	4184.03	0.00	4184.03	3651.16	7835.19
Maharashtra	1528.84	47.17	1481.67	4007.54	5489.21
Goa	71.47	0.00	71.47	47.03	118.50
Daman & Diu	0.00	0.00	0.00	0.00	0.00
D & N Haveli	25.86	0.00	25.86	62.55	88.41
Sub-Total	10683.15	406.17	10276.98	11142.14	21419.12
SOUTHERN REGION					
Andhra Pradesh	4053.39	272.47	3780.92	3114.32	6895.24
Karnataka	1703.58	1.90	1701.68	1438.52	3140.20
Kerala	523.20	0.00	523.20	554.07	1077.27
Tamil Nadu	1862.20	108.11	1754.09	3106.81	4860.90
Pondicherry	12.60	0.00	12.60	71.66	84.26
Lakshdweep	0.00	0.00	0.00	0.00	0.00
Sub-Total	8154.97	382.48	7772.49	8285.38	16057.87
EASTERN REGION					
Bihar	2275.69	0.00	2275.69	3090.51	5366.20
Orissa	6824.42	991.35	5833.07	1162.10	6995.17
West Bengal	1021.07	0.00	1021.07	1704.89	2725.96
A & N. Islands	0.91	0.00	0.91	2.00	2.91
Sikkim	0.00	0.00	0.00	0.00	0.00
Sub-Total	10122.09	991.35	9130.74	5959.50	15090.24
NORTH EASTERN REGION					
Assam	665.99	3.95	662.04	134.16	796.20
Manipur	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00
Nagaland	1.90	0.00	1.90	5.17	7.07
Tripura	0.00	0.00	0.00	0.00	0.00
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00
Sub-Total	667.89	3.95	663.94	139.33	803.27
Total (All India)	36964.47	1876.35	35088.12	32411.63	67499.75

TAB No. 31
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97.
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region	State/U. Ts.	Aluminium (Primary)	Aluminium (Secondary)	Automobiles
(1)	(2)	(3)	(4)	(5)
NORTHERN REGION	Haryana	0.00	2.86	174.07
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	17.54
	Rajasthan	0.00	8.55	1.05
	Uttar Pradesh	2852.29	0.00	49.19
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	2852.29	11.41	241.85
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	2015.30	0.00	19.92
	Maharashtra	0.00	0.00	351.77
	Goa	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00
		Sub-Total	2015.30	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	5.09	0.00
	Karnataka	0.00	0.00	33.96
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	46.38
	Pondicherry	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Sub-Total	0.00	5.09	80.34
EASTERN REGION	Bihar	0.00	22.01	0.00
	Orissa	3681.92	216.71	0.00
	West Bengal	0.00	86.09	61.50
	A. & N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Sub-Total	3681.92	324.81	61.50
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00
	Total (All India)	8549.51	341.31	755.38

Contd.

TABLE No.31(contd)
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97.
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
(GWH)

Region	State/U.Ts.	Cement	Cement	Chemicals	Collieries
		(Primary)	(Secondary)		
		(6)	(7)	(8)	(9)
NORTHERN REGION	Haryana	21.90	29.36	25.20	0.00
	Himachal Pradesh	357.52	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	133.17	0.00
	Rajasthan	1032.26	0.00	216.18	0.00
	Uttar Pradesh	10.00	16.23	147.43	0.00
	Chandigarh	0.00	0.00	10.70	0.00
	Delhi	0.00	0.00	0.00	0.00
	Sub-Total	1421.68	45.59	532.68	0.00
WESTERN REGION	Gujarat	606.94	16.78	2061.15	0.00
	Madhya Pradesh	2056.16	165.32	211.25	0.00
	Maharashtra	138.54	0.00	889.84	0.00
	Goa	0.00	0.00	85.93	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N.Haveli	0.00	0.00	0.00	0.00
	Sub-Total	2801.64	182.10	3248.17	0.00
SOUTHERN REGION	Andhra Pradesh	1226.41	15.47	931.48	1117.67
	Karnataka	701.10	5.96	298.64	0.00
	Kerala	0.00	0.00	103.42	0.00
	Tamil Nadu	366.88	0.00	584.62	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
	Sub-Total	2294.39	21.43	1918.16	1117.67
EASTERN REGION	Bihar	145.55	0.00	0.00	264.90
	Orissa	98.01	50.22	7.62	0.00
	West Bengal	0.00	0.00	53.56	0.00
	A & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	243.56	50.22	61.18	264.90
NORTH EASTERN REGION	Assam	26.36	0.00	0.00	16.17
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Sub-Total	26.36	0.00	0.00	16.17
	Total (All India)	6787.63	299.34	5760.19	1398.74

Contd.

TABLE No.31(contd)
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97.
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
(GWH)

Region	State/U.Ts.	Electrical Engineering	Ferti- lizer	Food Products	Heavy Engineering
		(10)	(11)	(12)	(13)
NORTHERN REGION	Haryana	40.44	147.41	13.69	33.65
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	11.21	286.30	113.98	18.55
	Rajasthan	11.65	761.72	5.79	36.22
	Uttar Pradesh	150.99	1628.85	46.30	40.06
	Chandigarh	31.21	0.00	0.00	0.00
	Delhi	0.00	86.39	19.30	0.00
	Sub-Total	245.50	2910.67	199.06	128.48
WESTERN REGION	Gujarat	11.59	2015.17	74.32	0.00
	Madhya Pradesh	107.85	120.94	7.37	6.35
	Maharashtra	102.12	598.51	13.07	94.92
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D.& N.Haveli	2.33	0.00	0.00	0.00
	Sub-Total	223.89	2734.62	94.76	101.27
SOUTHERN REGION	Andhra Pradesh	31.11	280.05	17.38	60.58
	Karnataka	81.29	246.52	4.85	50.81
	Kerala	20.55	253.21	0.00	0.00
	Tamil Nadu	16.67	92.44	36.48	135.55
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
	Sub-Total	149.62	872.22	58.71	246.94
EASTERN REGION	Bihar	7.14	138.33	0.00	157.92
	Orissa	2.72	350.81	0.00	36.13
	West Bengal	11.39	67.96	42.83	47.92
	A.& N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	21.25	557.10	42.83	241.97
NORTH EASTERN REGION	Assam	0.00	138.14	0.00	0.00
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Sub-Total	0.00	138.14	0.00	0.00
	Total (All India)	640.26	7212.75	395.36	718.66

Contd.

TABLE No.31(contd)
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97.
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

(GWH)

Region	State/U.Ts.	Iron & Steel	Iron & Steel	Jute	Light
		(Primary)	(Secondary)		Engineering
		(14)	(15)	(16)	(17)
NORTHERN REGION	Haryana	0.00	119.94	0.00	29.70
	Himachal Pradesh	0.00	0.00	0.00	17.13
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	94.09	96.48	0.00	140.02
	Rajasthan	0.00	8.26	0.00	52.44
	Uttar Pradesh	0.00	42.37	11.26	68.94
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Sub-Total	94.09	267.05	11.26	308.23
WESTERN REGION	Gujarat	0.00	202.20	0.00	40.22
	Madhya Pradesh	1783.00	62.84	0.00	10.98
	Maharashtra	0.00	480.20	0.00	199.23
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D.& N.Haveli	0.00	0.00	0.00	0.00
	Sub-Total	1783.00	745.24	0.00	250.43
SOUTHERN REGION	Andhra Pradesh	1413.46	102.59	4.91	8.11
	Karnataka	40.66	7.32	12.91	94.66
	Kerala	0.00	0.00	0.00	15.62
	Tamil Nadu	0.00	105.18	0.00	95.49
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
	Sub-Total	1454.12	215.09	17.82	213.88
EASTERN REGION	Bihar	4111.62	231.58	12.20	0.00
	Orissa	1269.71	29.80	3.85	0.00
	West Bengal	1085.30	87.93	727.64	27.88
	A.& N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	6466.63	349.31	743.69	27.88
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00	0.00
	Total (All India)	9797.84	1576.69	772.77	800.42

Contd.

TABLE No.31(contd)
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97. (GWH)
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

Region	State/U.Ts.	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous	Non-Ferrous	Paper
		(18)	(19)	(20)	(21)	(22)
NORTHERN REGION	Haryana	1.84	0.00	92.02	0.00	150.41
	Himachal Pradesh	0.00	0.00	30.34	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	20.93	0.00	42.65
	Rajasthan	0.00	0.00	21.61	437.73	3.22
	Uttar Pradesh	143.64	0.00	147.46	0.00	242.52
	Chandigarh	0.00	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00	0.00
	Sub-Total	145.48	0.00	312.36	437.73	438.80
WESTERN REGION	Gujarat	1031.03	13.27	158.44	0.00	72.15
	Madhya Pradesh	46.89	0.00	31.14	106.00	148.77
	Maharashtra	482.48	0.00	148.23	19.82	325.59
	Goa	0.00	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	3.50	5.38	0.00	0.00
	Sub-Total	1560.40	16.77	343.19	125.82	546.51
SOUTHERN REGION	Andhra Pradesh	101.49	0.00	37.38	802.41	362.04
	Karnataka	170.63	439.69	38.29	100.33	374.61
	Kerala	165.37	0.00	10.63	132.10	155.00
	Tamil Nadu	286.66	0.00	163.13	91.70	424.90
	Pondicherry	0.00	0.00	26.87	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00	0.00
	Sub-Total	724.15	439.69	276.30	1126.54	1316.55
EASTERN REGION	Bihar	98.57	30.53	2.96	71.41	0.00
	Orissa	0.00	0.00	0.00	901.32	248.71
	West Bengal	129.11	0.00	58.72	0.00	20.65
	A. & N. Islands	0.00	0.00	2.91	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	227.68	30.53	64.59	972.73	269.36
NORTH EASTERN REGION	Assam	433.94	0.00	0.00	0.00	175.54
	Manipur	0.00	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00	2.29
	Tripura	0.00	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00	0.00
	Sub-Total	433.94	0.00	0.00	0.00	177.83
	Total (All India)	3091.65	486.99	996.44	2662.82	2749.05

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TABLE No.31(contd)
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
REGIONWISE/STATEWISE DURING THE YEAR 1996-97. (GWH)
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)

Region	State/U.Ts.	Plastic	Rubber	Suger	Textile	Total
		(23)	(24)	(25)	(26)	(27)
NORTHERN REGION	Haryana	0.00	22.25	42.35	163.85	1110.94
	Himachal Pradesh	0.00	0.00	0.00	179.23	584.22
	Jammu & Kashmir	0.00	0.00	0.00	64.14	64.14
	Punjab	0.00	19.73	96.56	549.78	1640.99
	Rajasthan	0.00	113.43	2.38	672.15	3384.64
	Uttar Pradesh	0.00	71.34	658.70	838.70	7166.27
	Chandigarh	0.00	0.00	0.00	0.00	41.91
	Delhi	0.00	0.00	0.00	30.45	136.14
Sub-Total		0.00	226.75	799.99	2498.30	14129.25
WESTERN REGION	Gujarat	0.00	48.47	160.70	1375.38	7887.81
	Madhya Pradesh	0.00	0.00	23.89	911.22	7835.19
	Maharashtra	0.00	83.34	339.59	1221.96	5489.21
	Goa	0.00	32.57	0.00	0.00	118.50
	Daman & Diu	0.00	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	77.20	88.41
Sub-Total		0.00	164.38	524.18	3585.76	21419.12
SOUTHERN REGION	Andhra Pradesh	0.00	60.84	81.45	235.32	6895.24
	Karnataka	0.00	26.77	108.92	302.28	3140.20
	Kerala	0.00	65.33	2.63	153.41	1077.27
	Tamil Nadu	35.99	89.98	395.63	1893.22	4860.90
	Pondicherry	0.00	0.00	11.87	45.52	84.26
	Lakshadweep	0.00	0.00	0.00	0.00	0.00
Sub-Total		35.99	242.92	600.50	2629.75	16057.87
EASTERN REGION	Bihar	0.00	0.00	61.67	9.81	5366.20
	Orissa	0.00	0.00	4.28	93.36	6995.17
	West Bengal	0.00	36.08	0.00	181.40	2725.96
	A. & N. Islands	0.00	0.00	0.00	0.00	2.91
	Sikkim	0.00	0.00	0.00	0.00	0.00
Sub-Total		0.00	36.08	65.95	284.57	15090.24
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	6.05	796.20
	Manipur	0.00	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	4.78	0.00	7.07
	Tripura	0.00	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00	0.00
Sub-Total		0.00	0.00	4.78	6.05	803.27
Total (All India)		35.99	670.13	1995.40	9004.43	67499.75

TABLE No.32

**CLASSIFICATION OF CAPTIVE PLANTS OF INDUSTRIES
CAPACITYWISE DURING 1996-97
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)**

Range of Installed capacity (MW)	No. of generating industries	Installed capacity of the group		Gross Energy Generation by group	
		Aggregate (MW)	% of Total Capacity	Aggregate (GWH)	% of Total Capacity
1.00 MW & Upto 10.00 MW	1447	4075.95	34.20	6085.92	14.91
Over 10.00 MW & Upto 20.00 MW	92	1317.30	11.05	3381.45	8.28
Over 20.00 MW & Upto 30.00 MW	38	949.96	7.97	3382.74	8.29
Over 30.00 MW & Upto 40.00 MW	23	801.74	6.73	2172.88	5.32
Over 40.00 MW & Upto 50.00 MW	10	473.72	3.98	1847.43	4.53
Over 50.00 MW & Upto 100.00 MW	17	1167.52	9.80	5017.16	12.29
Over 100.00 MW	13	3130.12	26.27	18927.43	46.37
Total	1640	11916.31	100.00	40815.01	100.00

TABLE NO.33

INSTALLED PLANT CAPACITY AND ELECTRICITY GENERATION BY RAILWAY
REGIONWISE/STATEWISE DURING THE YEAR 1996-97

		INSTALLED CAPACITY (KW) AS ON 31.3.1997		
Region	State/U.Ts.	Steam	Diesel	Total
NORTHERN REGION	Haryana	0	3000	3000
	Himachal Pradesh	0	0	0
	Jammu & Kashmir	0	300	300
	Punjab	0	3000	3000
	Rajasthan	2000	16500	18500
	Uttar Pradesh	4500	35150	39650
	Delhi	0	1500	1500
	Sub-Total	6500	59450	65950
WESTERN REGION	Gujarat	2500	5300	7800
	Madhya Pradesh	0	12560	12560
	Maharashtra	0	4500	4500
	Sub-Total	2500	22360	24860
SOUTHERN REGION	Andhra Pradesh	0	6750	6750
	Karnataka	0	6400	6400
	Kerala	0	500	500
	Tamil Nadu	0	11000	11000
	Sub-Total	0	24650	24650
EASTERN REGION	Bihar	2800	16000	18800
	West Bengal	7160	11750	18910
	Sub-Total	9960	27750	37710
NORTH EASTERN REGION	Assam	0	7800	7800
	Nagaland	0	1550	1550
	Tripura	0	100	100
	Sub-Total	0	9450	9450
	Total (All India)	18960	143660	162620

contd.

TABLE NO.33 (Contd.)

INSTALLED PLANT CAPACITY AND ELECTRICITY GENERATION BY RAILWAYS
REGIONWISE/STATEWISE DURING THE YEAR 1996-97

Region	State/U.Ts.	Maximum Demand (KVA)	ENERATION (GWH)			Energy used in Aux. (GWH)
			Steam	Diesel	Total	
NORTHERN REGION	Haryana	2000	0.00	0.50	0.50	0.00
	Himachal Pradesh	0	0.00	0.00	0.00	0.00
	Jammu & Kashmir	200	0.00	0.00	0.00	0.00
	Punjab	2000	0.00	0.00	0.00	0.00
	Rajasthan	8700	0.00	3.00	3.00	0.12
	Uttar Pradesh	21500	0.00	1.90	1.90	0.08
	Delhi	500	0.00	0.00	0.00	0.00
	Sub-Total	34900	0.00	5.40	5.40	0.20
WESTERN REGION	Gujarat	4000	0.00	0.05	0.05	0.00
	Madhya Pradesh	4000	0.00	1.50	1.50	0.08
	Maharashtra	2750	0.00	0.10	0.10	0.00
	Sub-Total	10750	0.00	1.65	1.65	0.08
SOUTHERN REGION	Andhra Pradesh	3600	0.00	0.42	0.42	0.01
	Karnataka	3000	0.00	0.10	0.10	0.00
	Kerala	200	0.00	0.00	0.00	0.00
	Tamil Nadu	4500	0.00	0.40	0.40	0.01
	Sub-Total	11300	0.00	0.92	0.92	0.02
EASTERN REGION	Bihar	12000	0.00	6.90	6.90	0.10
	West Bengal	13500	2.00	4.80	6.80	0.60
	Sub-Total	25500	2.00	11.70	13.70	0.70
NORTH EASTERN REGION	Assam	4000	0.00	3.00	3.00	0.00
	Nagaland	1000	0.00	0.40	0.40	0.00
	Tripura	0	0.00	0.00	0.00	0.00
	Sub-Total	5000	0.00	3.40	3.40	0.00
	Total (All India)	87450	2.00	23.07	25.07	1.00

TABLE No.34

ZONWISE INSTALLED PLANT CAPACITY AND ELECTRICITY GENERATION BY
THE RAILWAYS DURING THE YEAR 1996-97

S. Railway No. Zones	INSTALLED CAPACITY (KW)			MAXIMU DEMAND (KVA)	ELECTRICITY GENERATED (GWH)			ENERGY USED IN AUX. (GWH)
	Steam	Diesel	Total		Steam	Diesel	Total	
1 Central Railways	0	14100	14100	7500	0	1.00	1.00	0.00
2 Eastern Railways	2800	23000	25800	10000	0	5.87	5.87	0.20
3 Northern Railways	2500	34500	37000	23000	0	3.30	3.30	0.10
4 North- Eastern Railways	2000	16500	18500	13500	0	1.69	1.69	0.10
5 North- East Frontior Railways	0	16400	16400	6500	0	3.92	3.92	0.20
6 Southern Railways	0	7300	7300	4500	0	3.68	3.68	0.15
7 South- Central Railways	0	12770	12770	7500	0	1.81	1.81	0.05
8 South- Eastern Railways	7160	3750	10910	5950	2.00	1.00	3.00	0.17
9 Western Railways	4500	15340	19840	9000	0	0.80	0.80	0.03
Total	18960	143660	162620	87450	2.00	23.07	25.07	1.00

SECTION- V

**ELECTRIC POWER SUPPLY
& SYSTEM LOSSES**

SECTION -V

ELECTRIC POWER SUPPLY AND SYSTEM LOSSES

During the year 1996-97 gross electricity generation was 395889.45 GWH, out of which 28804.51 GWH representing 7.28% of gross generation was consumed in power station auxiliaries. Thus net generation available at the bus-bar was 367084.94 GWH. Electricity purchased by public Utilities from captive plants was 2732.54 GWH and electricity imported from Nepal & Bhutan was 1577.48 GWH. Thus the total electricity available for supply during the year was 371394.96 GWH as compared to 356441.29 GWH during the year 1995-96.

Electricity sold to various classes of consumers during the year 1996-97 was 280206.18 GWH and electricity exported outside the country i.e. to Nepal and Bhutan was 83.99 GWH. The electricity lost in transformation, transmission and distribution system and electricity unaccounted worked out to 91104.79 GWH representing 24.53 % of the total available electricity. Amongst all the regions percentage system losses were maximum in Northern Region i.e. 29.16%. This was followed by Eastern Region with 28.09%, North-Eastern Region with 27.05%, Southern Region with 23.34% and Western Region with 19.49% losses.

The various tables in this Section represent the Regionwise, Statewise and Boardwise, Transmission & Distribution losses, transfer of electricity between different systems and electricity consumed in power auxiliaries.

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TABLE No.35

ELECTRICITY GENERATED, PURCHASED, SOLD AND ENERGY
LOSSES (ALL INDIA UTILITIES) DURING 1996-97

Sl. No.	Item	Energy (GWH)	% age of Item 1
1.	Energy generated (gross) (Utilities)	395889.45	100.00
2.	Energy used in power station auxiliaries	28804.51	7.28
3.	Energy generated (Net) at bus-bar i.e. (1) -(2)	367084.94	92.72
			%age of item 6
4.	Energy purchased from Non-Utilities	2732.54	0.74
5.	Energy imported from other countries (Nepal & Bhutan)	1577.48	0.42
6.	Energy available for supply i.e. (3)+(4)+(5)	371394.96	100.00
7.	Energy sold to ultimate consumers	280206.18	75.45
8.	Energy sold to other countries (Nepal & Bhutan)	83.99	0.02
9.	Total energy sold i.e. (7)+(8)	280290.17	75.47
10.	Energy lost in transformation, transmission and distribution and unaccounted for i.e. (6)-(9)	91104.79	24.53

TABLE NO.36

**ENERGY LOST IN TRANSMISSION AND DISTRIBUTION SYSTEM
REGIONWISE- DURING 1996-97**

(GWH)

	Northern Region	Western Region	Southern Region	Eastern Region	North Eastern Region
I. ENERGY GENERATED (NET	110459.78	122917.57	91757.80	38075.49	3874.30
II. ENERGY PURCHASED					
a) From Non-Utilities	92.40	406.17	382.48	1847.54	3.95
b) From other Regions	164.10	1226.53	897.84	112.34	356.69
c) From other countries	0.00	0.00	0.00	1577.48	0.00
Sub-Total	256.50	1632.70	1280.32	3537.36	360.64
III. Total Energy available (I+II)	110716.28	124550.27	93038.12	41612.85	4234.94
IV. ENERGY SALES					
a) To Ultimate consumers	77779.75	99404.50	70637.66	29295.08	3089.19
b) To other Regions	651.42	874.11	687.45	544.52	0.00
c) To other Countries	0.00	0.00	0.00	83.99	0.00
Sub-Total IV	78431.17	100278.61	71325.11	29923.59	3089.19
V. ENERGY LOSS IN TRANSMISSION & DISTRIBUTION & UNACCOUNTED FOR	32285.11	24271.66	21713.01	11689.26	1145.75
VI. PERCENTAGE ENERGY LOSS (V/III)	29.16	19.49	23.34	28.09	27.05

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 shares have been treated as inter-regional purchase/sales respectively.

(3) For details of All India Losses please see Table No.35.

ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF ENERGY
UTILISATION OF ENERGY AND SYSTEM LOSSES
REGIONWISE/STATEWISE DURING 1996-97

(GWH)

Region	State/U. Ts.	Net Generation in own Power Houses (Other th jointly owned pro- jects & Central Govt. Projects)	ENERGY RECEIVED FROM		
			Jointly owned & Central Govt. pro- jects except BBM & DVC	Self Gene- ating Industries	From other States including BBMB & DVC including from outside the country
	2	3	4	5	6
NORTHERN REGION	Haryana	3230.00	6166.14	92.40	3491.92
	Himachal Pradesh	1248.17	1059.63	0.00	755.43
	Jammu & Kashmir	794.54	3048.46	0.00	131.40
	Punjab	11999.17	5265.75	0.00	4834.73
	Rajasthan	5541.06	10132.84	0.00	3302.91
	Uttar Pradesh	21825.11	14288.89	0.00	36.97
	Chandigarh	0.00	219.98	0.00	583.06
	Delhi	1480.43	12171.11	0.00	4.30
	B. B. M. B.	11855.00	0.00	0.00	0.00
WESTERN REGION	Gujarat	24562.69	9444.87	359.00	474.00
	Madhya Pradesh	14777.33	14183.84	0.00	428.76
	Maharashtra	49773.68	8852.96	47.17	17.05
	Goa	0.00	1270.00	0.00	0.10
	Daman & Diu	0.00	305.10	0.00	0.00
	D. & N. Haveli	0.00	415.20	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	22895.30	8744.95	272.47	88.38
	Karnataka	12212.42	5833.48	1.90	717.70
	Kerala	5482.14	3426.83	0.00	0.00
	Tamil Nadu	22001.69	9843.31	108.11	0.00
	Pondicherry	0.00	764.19	0.00	259.11
	Lakshadweep	16.55	0.00	0.00	0.00
EASTERN REGION	Bihar	2357.22	4159.26	856.19	6129.61
	Orissa	5417.62	3531.33	991.35	353.48
	West Bengal	13384.14	1495.57	0.00	3650.96
	D. V. C.	5735.25	1945.45	0.00	1232.29
	A. & N. Islands	87.24	0.00	0.00	0.00
	Sikkim	69.30	36.10	0.00	16.30
NORTH EASTERN REGION	Assam	1215.31	957.19	3.95	471.59
	Manipur	1.94	346.93	0.00	22.82
	Meghalaya	484.29	89.32	0.00	0.00
	Nagaland	2.54	151.02	0.00	22.35
	Tripura	247.60	138.74	0.00	0.00
	Arunachal Pradesh	51.92	75.20	0.00	0.00
	Mizoram	13.74	138.96	0.00	10.79

Contd.

ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF ENERGY
UTILISATION OF ENERGY AND SYSTEM LOSSES
REGIONWISE/STATEWISE DURING 1996-97

(GWH)

Region	State/U.Ts.	Energy Avail- able in the States (3+4+5+6)	ENERGY SENT OUT TO/SOLD TO		
			Other States including outside the country	Ultimate consumers within the State	Total (8+9)
		7	8	9	10
NORTHERN REGION	Haryana	12980.46	16.41	8710.54	8726.95
	Himachal Pradesh	3063.23	732.46	1766.59	2499.05
	Jammu & Kashmir	3974.40	18.35	1970.11	1988.46
	Punjab	22099.65	406.11	17506.08	17912.19
	Rajasthan	18976.81	313.53	13751.82	14065.35
	Uttar Pradesh	36150.97	504.62	26588.20	27092.82
	Chandigarh	803.04	1.42	625.93	627.35
	Delhi	13655.84	15.97	6860.48	6876.45
	B.B.M.B.	11855.00	11485.67	0.00	11485.67
WESTERN REGION	Gujarat	34840.56	0.00	27377.50	27377.50
	Madhya Pradesh	29389.93	10.37	23328.74	23339.11
	Maharashtra	58690.86	1210.71	47082.23	48292.94
	Goa	1270.10	14.51	957.16	971.67
	Daman & Diu	305.10	0.00	280.22	280.22
	D. & N.Haveli	415.20	0.00	378.65	378.65
SOUTHERN REGION	Andhra Pradesh	32001.10	88.39	21323.73	21412.12
	Karnataka	18765.50	2.75	15223.64	15226.39
	Kerala	8908.97	19.72	6985.51	7005.23
	Tamil Nadu	31953.11	207.00	26245.32	26452.32
	Pondicherry	1023.30	0.00	845.41	845.41
	Lakshadweep	16.55	0.00	14.05	14.05
EASTERN REGION	Bihar	13502.28	391.33	10659.24	11050.57
	Orissa	10293.78	230.93	4876.45	5107.38
	West Bengal	18530.67	1105.79	13602.94	14708.73
	D.V.C.	8912.99	8736.07	0.00	8736.07
	A. & N. Islands	87.24	0.00	70.53	70.53
	Sikkim	121.70	0.20	85.92	86.12
NORTH EASTERN REGION	Assam	2648.04	39.87	1920.59	1960.46
	Manipur	371.69	0.00	286.38	286.38
	Meghalaya	573.61	171.33	290.55	461.88
	Nagaland	175.91	0.06	128.69	128.75
	Tripura	386.34	0.00	270.00	270.00
	Arunachal Pradesh	127.12	0.00	85.65	85.65
	Mizoram	163.49	0.00	107.33	107.33

Contd.

TABLE NO.37
ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF ENERGY
UTILISATION OF ENERGY AND SYSTEM LOSSES
REGIONWISE/STATEWISE DURING 1996-97

Region	State/U. Ts.	Transformation, Transmission, Distribution losses & Energy unaccounted for	
		Quantum (GWH) (7-10)	% of Column 7
NORTHERN REGION	Haryana	4253.51	32.77
	Himachal Pradesh	564.18	18.42
	Jammu & Kashmir	1985.94	49.97
	Punjab	4187.46	18.95
	Rajasthan	4911.46	25.88
	Uttar Pradesh	9058.15	25.06
	Chandigarh	175.69	21.88
	Delhi	6779.39	49.64
	B.B.M.B.	369.33	3.12
	Northern Region	32285.11	29.16
WESTERN REGION	Gujarat	7463.06	21.42
	Madhya Pradesh	6050.82	20.59
	Maharashtra	10397.92	17.72
	Goa	298.43	23.50
	Daman & Diu	24.88	8.15
	D & N.Haveli	36.55	8.80
	Western Region	24271.66	19.49
SOUTHERN REGION	Andhra Pradesh	10588.98	33.09
	Karnataka	3539.11	18.86
	Kerala	1903.74	21.37
	Tamil Nadu	5500.79	17.22
	Pondicherry	177.89	17.38
	Lakshadweep	2.50	15.11
	Southern Region	21713.01	23.34
EASTERN REGION	Bihar	2451.71	18.16
	Orissa	5186.40	50.38
	West Bengal	3821.94	20.62
	D.V.C.	176.92	1.98
	A. & N. Islands	16.71	19.15
	Sikkim	35.58	29.24
	Eastern Region	11689.26	28.09
NORTH EASTERN REGION	Assam	687.58	25.97
	Manipur	85.31	22.95
	Meghalaya	111.73	19.48
	Nagaland	47.16	26.81
	Tripura	116.34	30.11
	Arunachal Pradesh	41.47	32.62
	Mizoram	56.16	34.35
	North Eastern Region	1145.75	27.05
	All India	91104.79	24.53

TABLE NO.38

**ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF ENERGY
UTILISATION AND LOSSES BY STATE ELECTRICITY BOARDS
D.V.C.&B.B.M.B. DURING 1996-97** (GWH)

Region	State/U.Ts.	Net Generation in own Power House (other than jointly owned and Central Govt. Projects)	ENERGY FROM Utilities within State/jointly owned Central Govt. Projects except DVC & BBMB	RECOVERED Other Board/ Electric Under- takings (includ- ing DVC & BBM Other countries)
1	2	3	4	5
NORTHERN REGION	Haryana	3230.00	6166.14	3491.92
	Himachal Pradesh	1248.17	1033.90	755.43
	Jammu & Kashmir	794.54	3003.39	131.40
	Punjab	11999.17	5265.75	4654.44
	Rajasthan	5541.06	10124.04	3302.91
	Uttar Pradesh	21825.11	14189.87	36.97
	Delhi	1480.43	12171.11	4.30
	B.B.M.B	11855.00	0.00	0.00
WESTERN REGION	Gujarat	20663.00	9394.11	474.00
	Madhya Pradesh	14771.35	13879.99	428.76
	Maharashtra	37888.04	13254.61	17.05
SOUTHERN REGION	Andhra Pradesh	22485.33	8565.78	88.38
	Karnataka	909.10	17066.94	717.70
	Kerala	5443.14	3426.83	0.00
	Tamil Nadu	21318.98	9655.83	0.00
EASTERN REGION	Bihar	1726.42	4764.70	2194.20
	Orissa (GRIDCO)	0.00	8899.68	353.48
	West Bengal	3368.42	7849.28	1781.56
	D.V.C.	5735.25	1945.45	1232.29
NORTH EASTERN REGION	Assam	1215.31	957.19	471.59
	Meghalaya	484.29	81.32	0.00

ABBREVIATIONS: B.B.M.B. -Bhakra Beas Management Board

Contd.

TABLE NO.38 (Contd.)

**ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF ENERGY
UTILISATION AND LOSSES BY STATE ELECTRICITY BOARDS
D.V.C.&B.B.M.B. DURING 1996-97 (GWH)**

Region	Board/ Undertaking	Energy received from self generating Industries	Energy available for supply (including sales out- side the States (3+4+5+6)	ENERGY SOLD TO	
				Licensees within the State	Other Boards/ Undertakings D.V.C./other countries
		6	7	8	9
NORTHERN REGION	Haryana	92.40	12980.46	0.00	16.41
	Himachal Pradesh	0.00	3037.50	0.00	732.46
	Jammu & Kashmir	0.00	3929.33	119.21	18.35
	Punjab	0.00	21919.36	0.00	406.11
	Rajasthan	0.00	18968.01	0.00	313.53
	Uttar Pradesh	0.00	36051.95	297.00	504.62
	Delhi	0.00	13655.84	909.00	15.97
	B.B.M.B	0.00	11855.00	0.00	11485.67
WESTERN REGION	Gujarat	359.00	30890.11	2056.00	0.00
	Madhya Pradesh	0.00	29080.10	655.18	10.37
	Maharashtra	47.17	51206.87	4824.32	736.71
SOUTHERN REGION	Andhra Pradesh	272.47	31411.96	606.18	88.39
	Karnataka	1.90	18695.64	76.87	2.75
	Kerala	0.00	8869.97	116.93	19.72
	Tamil Nadu	108.11	31082.92	80.00	207.00
EASTERN REGION	Bihar	856.19	9541.51	73.00	391.33
	Orissa (GRIDCO)	991.35	10244.51	0.00	230.93
	West Bengal	0.00	12999.26	2572.30	1105.79
	D.V.C.	0.00	8912.99	0.00	8736.07
NORTH EASTERN REGION	Assam	3.95	2648.04	0.00	39.87
	Meghalaya	0.00	565.61	0.00	171.33

Abbreviations: B.B.M.B.- Bhakra Beas Management Board
Gridco- Grid Power Corporation of Orissa Ltd.

Contd.

TABLE NO.38 (Contd.)

ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF ENERGY
UTILISATION AND LOSSES BY STATE ELECTRICITY BOARDS,
D.V.C. & B.B.M.B. DURING 1996-97

(GWH)

Region	Board/ Undertaking	Energy sold to ultimate consumers	Total sold (8+9+10)	Transformation, Trans- mission & Distribution losses and energy unaccounted for	
				(GWH)	% of Col.7
		10	11	12	13
NORTHERN REGION	Haryana	8710.54	8726.95	4253.51	32.77
	Himachal Pradesh	1757.61	2490.07	547.43	18.02
	Jammu & Kashmir	1895.11	2032.67	1896.66	48.27
	Punjab	17325.79	17731.90	4187.46	19.10
	Rajasthan	13670.00	13983.53	4984.48	26.28
	Uttar Pradesh	26295.00	27096.62	8955.33	24.84
	Delhi	6028.00	6952.97	6702.87	49.08
	B.B.M.B	0.00	11485.67	369.33	3.12
WESTERN REGION	Gujarat	23539.00	25595.00	5295.11	17.14
	Madhya Pradesh	22820.17	23485.72	5594.38	19.24
	Maharashtra	37171.42	42732.45	8474.42	16.55
SOUTHERN REGION	Andhra Pradesh	20291.13	20985.70	10426.26	33.19
	Karnataka	15114.88	15194.50	3501.14	18.73
	Kerala	6906.80	7043.45	1826.52	20.59
	Tamil Nadu	25311.00	25598.00	5484.92	17.65
EASTERN REGION	Bihar	6662.39	7126.72	2414.79	25.31
	Orissa (GRIDCO)	4876.45	5107.38	5137.13	50.15
	West Bengal	6979.84	10657.93	2341.33	18.01
	D.V.C.	0.00	8736.07	176.92	1.98
NORTH EASTERN REGION	Assam	1920.59	1960.46	687.58	25.97
	Meghalaya	282.55	453.88	111.73	19.75

Abbreviations: B.B.M.B.- Bhakra Beas Management Board

TABLE NO.39

STATEMENT SHOWING PILFERAGE/MISUSE OF ENERGY AS REPORTED
BY STATE ELECTRICITY BOARDS DURING 1996-97

(GWH)

Region	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
NORTHERN REGION	Haryana	N.A	N.A	N.A
	Himachal Pradesh	59723	1529	0.13
	Jammu & Kashmir	N.A	N.A	N.A
	Punjab	780173	70924	217.41
	Rajasthan	74637	53218	113.99
	Uttar Pradesh	N.A	N.A	N.A
	Delhi	N.A	N.A	N.A
WESTERN REGION	Gujarat	470322	46241	0.02
	Madhya Pradesh	969045	245185	150.68
	Maharashtra	12884	6142	42.35
SOUTHERN REGION	Andhra Pradesh	92269	25681	61.81
	Karnataka	36699	184	3.00
	Kerala	4919	1813	3.34
	Tamil Nadu	4679152	774	N.A
EASTERN REGION	Bihar	4897	675	0.38
	Orissa(GRIDCO)	1345	845	3.16
	West Bengal	16797	8249	17.72
NORTH EASTERN REGION	Assam	712	579	N.A
	Meghalaya	3908	654	0.72

N.A.=Data not available means data not furnished.

GRIDCO=Grid power corporation of Orissa Ltd.

GROSS GENERATION, NET ENERGY GENERATION AND AUXILIARY CONSUMPTION
(UTILITIES ONLY) PRIMEMOVERWISE/REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State/U.Ts.	Gross Generation (GWH)	Net Generation (GWH)	TOTAL	
				Auxiliary Total (GWH)	consumption % of Gross Generation
NORTHERN REGION	Haryana	7627.32	7104.86	522.46	6.85
	Himachal Pradesh	1251.93	1248.17	3.76	0.30
	Jammu & Kashmir	796.00	794.54	1.46	0.18
	Punjab	18455.32	17555.37	899.95	4.88
	Rajasthan	10386.36	9643.09	743.27	7.16
	Uttar Pradesh	23637.14	21825.11	1812.03	7.67
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	2025.87	1821.92	203.95	10.07
	Central Sector	53636.21	50466.72	3169.49	5.91
	Sub-Total	117816.15	110459.78	7356.37	6.24
WESTERN REGION	Gujarat	27075.44	24562.69	2512.75	9.28
	Madhya Pradesh	18416.26	16808.08	1608.18	8.73
	Maharashtra	53562.05	49870.96	3691.09	6.89
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Central Sector	34016.48	31675.84	2340.64	6.88
	Sub-Total	133070.23	122917.57	10152.66	7.63
SOUTHERN REGION	Andhra Pradesh	25913.11	24306.29	1606.82	6.20
	Karnataka	12927.43	12249.58	677.85	5.24
	Kerala	5510.24	5482.14	28.10	0.51
	Tamil Nadu	23636.23	22001.69	1634.54	6.92
	Lakshadweep	16.80	16.55	0.25	1.49
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	30363.36	27701.55	2661.81	8.77
	Sub-Total	98367.17	91757.80	6609.37	6.72
EASTERN REGION	Bihar	2741.80	2357.22	384.58	14.03
	Orissa	5945.68	5695.05	250.63	4.22
	West Bengal	14888.56	13384.14	1504.42	10.10
	D.V.C.	6667.32	5735.25	932.07	13.98
	A. & N. Islands	89.77	87.24	2.53	2.82
	Sikkim	72.50	69.30	3.20	4.41
	Central Sector	12185.68	10747.29	1438.39	11.80
	Sub-Total	42591.31	38075.49	4515.82	10.60
NORTH EASTERN REGION	Assam	1331.73	1215.31	116.42	8.74
	Manipur	2.04	1.94	0.10	4.90
	Meghalaya	486.01	484.29	1.72	0.35
	Nagaland	2.80	2.54	0.26	9.29
	Tripura	252.25	247.60	4.65	1.84
	Arunachal Pradesh	57.17	51.92	5.25	9.18
	Mizoram	14.14	13.74	0.40	2.83
	Central Sector	1898.45	1856.96	41.49	2.19
	Sub-Total	4044.59	3874.30	170.29	4.21
	Total (All India)	395889.45	367084.94	28804.51	7.28

Region	Name of the State/U. Ts.	HYDRO			
		Gross Generation	Net Generation	Auxiliary consumption	
		(GWH)	(GWH)	Total (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	4034.90	3970.48	64.42	1.60
	Himachal Pradesh	1251.93	1248.17	3.76	0.30
	Jammu & Kashmir	725.00	724.25	0.75	0.10
	Punjab	8677.07	8576.98	100.09	1.15
	Rajasthan	3917.52	3827.36	90.16	2.30
	Uttar Pradesh	5214.37	5198.26	16.11	0.31
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Central Sector	5186.39	5178.51	7.88	0.15
	Sub-Total	29007.18	28724.01	283.17	0.98
WESTERN REGION	Gujarat	844.00	836.00	8.00	0.95
	Madhya Pradesh	2270.90	2249.46	21.44	0.94
	Maharashtra	4722.57	4694.23	28.34	0.60
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	7837.47	7779.69	57.78	0.74
SOUTHERN REGION	Andhra Pradesh	8151.45	8091.42	60.03	0.74
	Karnataka	7234.08	7124.48	109.60	1.52
	Kerala	5507.68	5479.58	28.10	0.51
	Tamil Nadu	4252.44	4236.36	16.08	0.38
	Lakshadweep	0.00	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	25145.65	24931.84	213.81	0.85
EASTERN REGION	Bihar	333.99	332.03	1.96	0.59
	Orissa	3916.90	3900.99	15.91	0.41
	West Bengal	281.35	279.96	1.39	0.49
	D.V.C.	367.48	364.00	3.48	0.95
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	71.55	68.40	3.15	4.40
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	4971.27	4945.38	25.89	0.52
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	0.14	0.13	0.01	7.14
	Meghalaya	486.01	484.29	1.72	0.35
	Nagaland	2.50	2.25	0.25	10.00
	Tripura	40.25	39.95	0.30	0.75
	Arunachal Prades	39.50	37.50	2.00	5.06
	Mizoram	2.32	2.21	0.11	4.74
	Central Sector	1368.51	1363.55	4.96	0.36
	Sub-Total	1939.23	1929.88	9.35	0.48
	Total (All India)	68900.80	68310.80	590.00	0.86

Region	Name of the State/U.Ts.	S T E A M			
		Gross Generation	Net Generation	Auxiliary	consumption
		(GWH)	(GWH)	Total (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	3592.42	3134.38	458.04	12.75
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	9778.25	8978.39	799.86	8.18
	Rajasthan	6364.25	5714.30	649.95	10.21
	Uttar Pradesh	18422.77	16626.85	1795.92	9.75
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	1273.82	1094.09	179.73	14.11
	Central Sector	35154.90	32479.34	2675.56	7.61
	Sub-Total	74586.41	68027.35	6559.06	8.79
WESTERN REGION	Gujarat	23493.58	21096.71	2396.87	10.20
	Madhya Pradesh	16139.38	14552.64	1586.74	9.83
	Maharashtra	43109.57	39572.64	3536.93	8.20
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Central Sector	25168.45	23448.07	1720.38	6.84
	Sub-Total	107910.98	98670.06	9240.92	8.56
SOUTHERN REGION	Andhra Pradesh	16719.76	15189.18	1530.58	9.15
	Karnataka	5151.81	4603.56	548.25	10.64
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	18597.55	16981.66	1615.89	8.69
	Lakshadweep	0.00	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	28378.36	25973.55	2404.81	8.47
	Sub-Total	68847.48	62747.95	6099.53	8.86
EASTERN REGION	Bihar	2407.81	2025.19	382.62	15.89
	Orissa	2028.78	1794.06	234.72	11.57
	West Bengal	14577.11	13074.46	1502.65	10.31
	D.V.C.	6284.21	5357.43	926.78	14.75
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Central Sector	12185.68	10747.29	1438.39	11.80
	Sub-Total	37483.59	32998.43	4485.16	11.97
NORTH EASTERN REGION	Assam	549.86	478.24	71.62	13.03
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	549.86	478.24	71.62	13.03
	Total (All India)	289378.32	262922.03	26456.29	9.14

TABLE No.40(Contd.)

Region	Name of the State/U.Ts.	DIESEL & WIND			
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Total (GWH)	consumption % of Gross Generation
NORTHERN REGION	Haryana	0.00	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00	0.00
WESTERN REGION	Gujarat	117.86	117.79	0.07	5.68
	Madhya Pradesh	5.98	5.98	0.00	0.00
	Maharashtra	2.58	2.58	0.00	0.00
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	126.42	126.35	0.07	5.68
SOUTHERN REGION	Andhra Pradesh	39.98	39.98	0.00	0.00
	Karnataka	541.54	521.54	20.00	3.69
	Kerala	2.56	2.56	0.00	0.00
	Tamil Nadu	702.17	702.17	0.00	0.00
	Lakshadweep	16.80	16.55	0.25	1.49
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	1303.05	1282.80	20.25	1.55
EASTERN REGION	Bihar	0.00	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00	0.00
	West Bengal	0.43	0.43	0.00	0.00
	D.V.C.	0.00	0.00	0.00	0.00
	A. & N. Islands	89.77	87.24	2.53	2.82
	Sikkim	0.95	0.90	0.05	5.26
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	91.15	88.57	2.58	2.83
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	1.90	1.81	0.09	4.74
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.30	0.29	0.01	9.59
	Tripura	2.00	1.85	0.15	7.50
	Arunachal Pradesh	17.67	14.42	3.25	18.39
	Mizoram	11.82	11.53	0.29	2.45
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	33.69	29.90	3.79	11.25
	Total (All India)	1554.31	1527.62	26.69	1.72

Region	Name of the State/U. Ts.	G A S			
		Gross Generation	Net Generation	Auxiliary	consumption
		(GWH)	(GWH)	Total (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	0.00	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	71.00	70.29	0.71	1.00
	Punjab	0.00	0.00	0.00	0.00
	Rajasthan	104.59	101.43	3.16	0.00
	Uttar Pradesh	0.00	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	752.05	727.83	24.22	3.22
	Central Sector	10468.94	10286.85	182.09	1.74
	Sub-Total	11396.58	11186.40	210.18	1.84
WESTERN REGION	Gujarat	2620.00	2512.19	107.81	4.11
	Madhya Pradesh	0.00	0.00	0.00	0.00
	Maharashtra	5727.33	5601.51	125.82	2.20
	Goa	0.00	0.00	0.00	0.00
	Damam & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Central Sector	4587.90	4462.34	125.56	2.74
	Sub-Total	12935.23	12576.04	359.19	2.78
SOUTHERN REGION	Andhra Pradesh	1001.92	985.71	16.21	1.62
	Karnataka	0.00	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	84.07	81.50	2.57	3.06
	Lakshadweep	0.00	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	1085.99	1067.21	18.78	1.73
EASTERN REGION	Bihar	0.00	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00	0.00
	West Bengal	29.67	29.29	0.38	1.28
	D.V.C	15.63	13.82	1.81	11.58
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	45.30	43.11	2.19	4.83
NORTH EASTERN REGION	Assam	781.87	737.07	44.80	5.73
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	210.00	205.80	4.20	2.00
	Arunachal Prades	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
	Central Sector	529.94	493.41	36.53	6.89
	Sub-Total	1521.81	1436.28	85.53	5.62
	Total (All India)	26984.91	26309.04	675.87	2.50

Region	Name of the State/U. Ts.	N U C L E A R			
		Gross Generation	Net Generation	Auxiliary	consumption
		(GWH)	(GWH)	Total (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	0.00	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Central Sector	2825.98	2522.02	303.96	10.76
	Sub-Total	2825.98	2522.02	303.96	10.76
WESTERN REGION	Gujarat	0.00	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00	0.00
	Goa	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	D. & N. Haveli	0.00	0.00	0.00	0.00
	Central Sector	4260.13	3765.43	494.70	11.61
	Sub-Total	4260.13	3765.43	494.70	11.61
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00	0.00
	Karnataka	0.00	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	1985.00	1728.00	257.00	12.95
	Sub-Total	1985.00	1728.00	257.00	12.95
EASTERN REGION	Bihar	0.00	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00	0.00
	West Bengal	0.00	0.00	0.00	0.00
	D.V.C.	0.00	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00	0.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00	0.00
	Tripura	0.00	0.00	0.00	0.00
	Arunachal Prades	0.00	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00	
	Sub-Total	0.00	0.00	0.00	0.00
	Total (All India)	9071.11	8015.45	1055.66	11.64

TABLE No.41

**SHARE OF PARTICIPATING STATES IN JOINTLY OWNED
POWER STATIONS DURING 1996-97**

Name of the Power Station	Name of the participating States	Share of the the Parti- cipating States		Total capacity (MW)
		%age	I.C.(MW)	
BHAKRA BEAS MANAGEMENT BOARD				
Bhakra Nangal Complex (Hydro)*	Haryana	33.91	459.34	1354.50
	Punjab	50.87	689.00	
	Rajasthan	15.22	206.16	
Dehar (Hydro)	Haryana	32.00	316.80	990.00
	Punjab	48.00	475.20	
	Rajasthan	20.00	198.00	
Pong (Hydro)	Haryana	16.60	59.76	360.00
	Punjab	24.90	89.64	
	Rajasthan	58.50	210.60	
INDRAPRASTHA EXTN.				
(Steam)	Delhi	66.67	125.00	187.50
	Haryana	33.33	62.50	
CHAMBAL PROJECTS				
Gandhi Sagar (Hydro)	Madhya Prades	50.00	57.50	115.00
	Rajasthan	50.00	57.50	
Jawahar Sagar (Hydro)	Madhya Prades	50.00	49.50	99.00
	Rajasthan	50.00	49.50	
Rana Pratap Sagar (Hydro)	Madhya Prades	50.00	86.00	172.00
	Rajasthan	50.00	86.00	
SATPURA (Steam)	Madhya Prades	60.00	187.50	312.50
	Rajasthan	40.00	125.00	
MACHKUND (Hydro)	Andhra Pradesh	70.00	80.33	114.75
	Orissa	30.00	34.42	
TUNGABHADRA DAM & HAMPI (Hydro)	Andhra Pradesh	80.00	57.60	72.00
	Karnataka	20.00	14.40	
PENCH (Hydro)	Madhya Prades	66.67	106.66	160.00
	Maharashtra	33.33	53.34	

* It comprises of capacity of Ganguwal 77.25 MW, Kotla 77.25 MW, Bhakra left bank 540.00 MW & Bhakra right bank 660.00 MW.

I.C =Installed Capacity

TABLE No.41(Contd.)

SHARE OF PARTICIPATING STATES IN JOINTLY OWNED
POWER STATIONS DURING 1996-97

(GWH)

Name of the Power Station	Energy generated		Energy offtake by states**	
	Gross	net		
B.B.M.B				
Bhakra Nangal Complex (Hydro)	7277.00	7177.00	Haryana S.E.B.	3226.68
Dehar (Hydro)	3257.00	3206.00	Punjab S.E.B.	4594.79
Pong (Hydro)	1549.00	1472.00	Rajasthan	2525.90
			Jammu & Kashmir	131.40
			Irrigation Wing	45.00
			N.F.F.	135.29
			Chandigarh	574.90
			Himachal Pradesh	251.71
			B.B.M.B.	369.33
			(System Losses)	
INDRAPRASTHA EXTN.				
(Steam)(Unit 2,3,4)	568.68	512.21	Delhi	301.16
			Haryana	211.05
CHAMBAL PROJECTS				
Gandhi Sagar(Hydro)*				
Jawahar Sagar(Hydro)	1732.36*	1699.54*		
Rana Pratap Sagar* (Hydro)			Madhya Pradesh	1836.18
			Rajasthan	1507.37
SATPURA				
(Steam)	1818.98	1644.01		
MACHKUND (Hydro)				
	927.16	924.75	Andhra Pradesh	(A) 539.78
			Orissa	384.97
TUNGABHADRA DAM & HAMPI (Hydro)				
	186.52	185.82	Andhra Pradesh	(B) 137.10
			Karnataka	48.72
PENCH (Hydro)				
	292.82	291.85	Madhya Pradesh	194.57
			Maharashtra	97.28

Note: ** Including losses excluding B.B.M.B. System.

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

N.F.F. - National Fertilizer Factory, nangal Dam.

(A)- Includes colony consumption of 8.00 GWH

(B)- Includes colony consumption of 4.00 GWH

(*) - Included under Jawahar Sagar (Hydro)

TABLE No.42

INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1996-97

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake including losses (GWH)	State by states					
		Gross	Net							
National Capital T.P.P & Dadri (Gas)	1657.00	10047.70	9503.50	H.S.E.B.	1359.70					
				H.P.S.E.B.	132.50					
				J&K S.E.B.	473.00					
				P.S.E.B.	625.70					
				R.S.E.B.	1605.92					
				U.P.S.E.B. (X)	1016.88					
				Chandigarh DVB	37.40 4215.70					
Tanakpur (Hydro)	120.00	382.92	380.80	H.S.E.B	28.33					
				J&K S.E.B.	15.80					
				P.S.E.B.	54.35					
				R.S.E.B.	45.47					
				U.P.S.E.B. (G)	152.85					
				DVB	65.53					
				H.P.S.E.B Chandigarh	13.96 4.71					
Chamera H.E.P	540.00	1884.42	1881.37	H.S.E.B.	828.30					
				H.P.S.E.B. (U)	304.17					
				J&K S.E.B.	12.50					
				P.S.E.B.	268.10					
				R.S.E.B.	110.70					
				U.P.S.E.B.	225.90					
				DVB Chandigarh	104.80 26.90					
Maharashtra Irrigation Wing				MSEB						
						Bhandardara H.E.P	34.00	1.00	1.00	1.00
						Suryo H.E.P	6.00	0.00	0.00	0.00
Uri HEPS	480.00	69.00	68.95	HSEB	32.05					
				HPEB	0.70					
				J&K SEB	8.10					
				PSEB	0.60					
				RSEB	1.50					
				UPSEB	25.50					
				DVB Chandigarh	0.40 0.10					

TABLE No.42(Contd.)
 INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
 GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1996-97

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake by tat by states including losses (GWH)		
		Gross	Net			
Badarpur Thermal Power station	720.00	4084.88	3729.32	Delhi	(A)	3729.3
Baira Siul(Hydro)	180.00	545.21	544.85	DVB		58.50
				H.P.	(B)	75.85
				Haryana		162.60
				Punjab		247.90
Singrauli (STPS)	2000.00	15361.90	14305.10	J.&K SEB		388.80
				H.S.E.B.		1667.00
				R.S.E.B.		3016.20
				DVB		1363.10
				U.P.	(C)	6213.60
				H.P.S.E.B		48.40
				Chandigarh		0.10
				P.S.E.B.		1427.50
				Western Grid (MPEB)		180.40
Salal (Hydro (St.I+II)	690.00	2304.84	2302.54	H.P.S.E.B.		9.15
				P.S.E.B.		676.00
				H.S.E.B.		416.91
				DVB		281.10
				J.&K		815.26
				R.S.E.B.		30.35
				U.P.S.E.B.		71.40
				Chandigarh		2.37
Rihand (STPS)	1000.00	6685.00	6126.95	H.S.E.B.		551.80
				H.P.S.E.B.		212.60
				J.&K		567.90
				P.S.E.B.		701.50
				R.S.E.B.		929.30
				U.P.S.E.B.	(E)	2326.5
				DVB		767.60
				Chandigarh		63.40
				Western Region		6.30
R.A.P.P.(Nuclear)	440.00	0.00	0.00	Rajasthan	(F)	98.05
Unchahar (Steam)	420.00	2950.32	2718.22	H.S.E.B.		142.60
				H.P.S.E.B.		20.60
				J.&K S.E.B.		56.10
				P.S.E.B.		144.60
				R.S.E.B.		307.60
				U.P.S.E.B.	(V)	1880.7
				DVB		151.30
				Chandigarh		12.10
				MPEB(WR)		3.60

TABLE No.42(Contd.)

INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1996-97

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake by states including losses (GWH)	
		Gross	Net		
Anta (Gas)	413.00	2657.54	2607.53	H.S.E.B.	140.00
				H.P.S.E.B.	59.00
				J.&K S.E.B.	154.50
				P.S.E.B.	219.60
				R.S.E.B. (D)	1354.03
				U.P.S.E.B.	446.80
				DVB	210.70
				Chandigarh	20.90
				B.S.E.B.	2.00
Auraiya (Gas)	652.00	3836.50	3775.57	H.S.E.B.	283.70
				H.P.S.E.B.	118.40
				J.&K S.E.B.	319.30
				P.S.E.B.	611.30
				R.S.E.B.	532.00
				U.P.S.E.B. (T)	1368.2
				DVB	444.20
				Chandigarh	29.60
				B.S.E.B.	2.80
M.P.E.B.	65.80				
N.A.P.P.(Nuclear)	455.00	2825.98	2522.02	H.S.E.B.	330.10
				H.P.S.E.B.	57.80
				J.&K S.E.B.	219.90
				P.S.E.B.	267.10
				R.S.E.B.	655.00
				U.P.S.E.B.	513.22
				DVB	457.80
				Chandigarh	21.10
T.A.P.P.(Nuclear)	420.00	1076.00	950.95	G.E.B.	475.47
				M.S.E.B.	475.48
Kakrapar(Nuclear)	440.00	3184.13	2814.48	G.E.B.	921.14
				M.P.E.B.	1102.14
				M.S.E.B.	791.20
				Goa	0.00
				Daman & Diu	0.00
				D.N.H.	0.00
Gandhar(CCGT&CC)	648.00	2886.96	2816.63	GUJARAT EB	867.42
				M.PEB	1109.41
				MSEB	769.00
				DNH	41.10
				DAMAN & DIU	29.70

TABLE No.42(Contd.)

INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1996-97

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake by state by states including losses (GWH)		
		Gross	Net			
Korba STPS, VSTPS & Kawas Gas	4004.00	26869.39	25093.78	M.P.E.B.	(I)	9829.14
				M.S.E.B.		6720.00
				G.E.B.	(H)	7180.84
				Goa		730.60
				D & N Haveli		374.10
				Daman & Diu		275.40
				H.S.E.B.		12.00
				H.P.S.E.B.		6.50
				J.&K.S.E.B.		17.30
				P.S.E.B.		21.50
				R.S.E.B.		37.40
				U.P.S.E.B.		48.20
				DVB Chandigarh		19.90 1.30
Ramagundam STPS	2100.00	15673.79	14581.90	A.P.S.E.B.	(K)	4324.1
				K.E.B.		3370.90
				K.S.E.B.		2002.70
				T.N.E.B.		3901.00
				Goa (WR)		539.40
				Pondicherry		443.80
Neyveli-i (Steam)	600.00	3151.79	2764.83	Tamil Nadu	(J)	2764.83
Neyveli-ii (Steam)	1470.00	9552.78	8626.82	A.P.S.E.B.		2534.86
				K.E.B.		2001.16
				K.S.E.B.		1182.93
				Tamil Nadu	(L)	2639.83
				Pondicherry		268.04
Kalpakkam (Nuclear)	470.00	1985.00	1728.00	A.P.S.E.B.		484.10
				K.E.B.		412.70
				K.S.E.B.		241.20
				Tamil Nadu		537.65
				Pondicherry		52.35
A.P. Gas Power Corporation	99.00	627.00	615.01	A.P.S.E.B.	(N)	615.01
Sone West Canal (S.W.C.)	6.60	16.37	16.37	B.S.E.B.		16.37
Sone East Canal	3.30	9.06	9.06	BSEB		9.06
E. Gandak Canal	10.00	22.27	22.27	BSEB		22.27
Tenughat Vidyut Nigam Ltd.(Bihar)						
Tenughat Orissa Power Gene rating Corpn	420.00	686.00	583.10	BSEB		583.10
I.B. Valley	420.00	2028.78	1794.06	GRIDCO		1794.06
Kaheigaon STPS	840.00	3318.40	2943.56	BSEB	(Y)	1626.26
				GRIDCO		323.70
				WBSEB		387.50
				Sikkim		3.30
				D.V.C.		567.80
				APSEB (SR)		55.00

TABLE No.42(Contd.)

INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1996-97

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake by State by states including losses (GWH)	
		Gross	Net		
OHPC	1237.50	3638.75	3623.56	GRIDCO	3623.56
Talcher STPS	1000.00	929.40	769.24	APSEB (SR)	54.20
				B.S.E.B.	320.80
				GRIDCO	250.04
				W.B.S.E.B.	0.00
				Sikkim	7.80
				D.V.C.	108.80
				ASEB (NER)	27.60
Talcher old	470.00	1548.70	1348.92	GRIDCO	1348.92
Durgapur Projects Ltd. (Steam)	395.00	1011.13	873.90	W.B.S.E.B. (O)	873.90
Kolaghat (Steam) (W.B.P.D.C.)	1260.00	6234.93	5636.57	W.B.S.E.B. (W)	5636.57
D.V.C. @	2661.50	6667.32	5735.25	GRIDCO	103.78
			@@	Bihar (P)	5481.4
				West Bengal (Q)	3147.6
				N.T.P.C.	3.18
Farakka S.T.P.S.	1600.00	6389.18	5685.57	B.S.E.B.	2207.40
				GRIDCO	1223.70
				West Bengal (R)	1128.07
				D.V.C.	1087.80
				Sikkim	25.00
				APSEB (SR)	0.80
				ASEB (NER)	12.80
NEEPCO	451.01	1401.92	1362.32	Assam	782.24
				Manipur	184.31
				Meghalaya (S)	70.22
				Nagaland	112.35
				Tripura	67.79
				Mizoram	100.75
				Arunachal Pradesh	44.66
Loktak (Hydro)	105.00	496.53	494.64	Assam S.E.B.	134.55
				Manipur	162.62
				Nagaland	38.67
				Tripura	70.95
				Arunachal Pradesh	30.54
				Mizoram	38.21
				Meghalaya	19.10

NOTE: @ - 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 offtake by States as it includes energy purchased.

GRIDCO - Grid Power Corp. of Orissa Ltd

OHPC - Orissa Hydro Power Corp. Ltd

BHPC - Bihar Hydro Power Corp. Ltd.

TABLE NO.42 (Contd)

- (A) Includes 12.48 GWH of colony consumption
- (B) Includes miscellaneous consumption of 6.00 GWH.
- (C) Includes construction & colony consumption of 23.00 GWH.
- (D) Includes colony consumption of 2.80 GWH.
- (E) Includes colony consumption of 10.25 GWH.
- (F) Includes Heavy Water Plant consumption of 79.02 GWH.
- (G) Includes colony consumption of 1.29 GWH.
- (H) Includes colony consumption of 2.24 GWH.
- (I) Includes colony consumption of 65.00 GWH.
- (J) Includes energy consumed by Neyveli Lignite Corporation within works of 482.31 GWH.
- (K) Includes colony consumption of 19.71 GWH.
- (L) Includes 325.88 GWH energy used in Neyveli mines.
- (M) Includes 62.00 GWH energy used for I.G.C.A.R.
- (N) Includes energy sold to industrial units of 491.49 GWH.
- (O) Includes energy sales to direct consumers of 252.17 GWH
- (P) Includes 3928.98 GWH energy direct sales by DVC to ultimate consumers in Bihar area.
- (Q) Includes 918.66 GWH energy direct sales by D.V.C. to ultimate consumers in West Bengal area.
- (R) Includes colony consumption of 17.07 GWH.
- (S) Includes colony consumption of 8.00 GWH.
- (T) Includes colony consumption of 2.65 GWH.
- (U) Includes colony & miscellaneous consumption of 2.98 GWH.
- (V) Includes colony consumption of 13.96 GWH.
- (W) Includes colony & construction consumption of 4.06 GWH.
- (X) Includes colony consumption of 5.70 GWH.
- (Y) Includes colony & construction consumption of 18.50 GWH.

TABLE NO.43

**STATEMENT SHOWING INTERSTATE TRANSFER OF ENERGY
REGIONWISE/STATEWISE DURING 1996-97**

Name of the supplier	Name of the Purchaser	Energy Transferred (GWH)
NORTHERN REGION		
Haryana S.E.B.	U.P.S.E.B.	7.80
Haryana S.E.B.	Punjab S.E.B.	3.83
Haryana S.E.B.	Rajasthan S.E.B.,	0.48
Haryana S.E.B.	Delhi Vidyut Board	4.30
Himachal Pradesh S.E.B.	Chandigarh	8.16
Himachal Pradesh S.E.B.	Haryana S.E.B.	222.47
Himachal Pradesh S.E.B.	Rajasthan S.E.B.,	456.42
Himachal Pradesh S.E.B.	U.P.S.E.B.	29.17
Uttar Pradesh S.E.B.	Haryana S.E.B.	39.10
Himachal Pradesh S.E.B.	Punjab S.E.B.	16.24
Punjab S.E.B.	Himachal Pradesh S.E.B.	84.83
Punjab S.E.B.	Rajasthan S.E.B.	320.11
Punjab S.E.B.	Haryana S.E.B.	1.17
Rajasthan S.E.B.	Punjab S.E.B.	7.08
U.P.S.E.B.	Himachal Pradesh S.E.B.	418.15
Chandigarh	Punjab S.E.B.	0.02
Chandigarh	Haryana S.E.B.	1.40
J&K S.E.B.	Haryana S.E.B.	1.10
J&K S.E.B.	Punjab S.E.B.	17.25
Delhi Vidyut Board	Himachal Pradesh S.E.B.	0.74
Delhi Vidyut Board	Punjab S.E.B.	15.23
WESTERN REGION		
Goa	Maharashtra S.E.B.	14.51
Maharashtra S.E.B.	Goa	0.07
Maharashtra S.E.B.	M.P.E.B.	34.46
M.P.E.B.	Maharashtra S.E.B.	2.54
Maharashtra (BSES Co.)	Gujarat E.B.	474.00
SOUTHERN REGION		
Andhra Pradesh S.E.B.	Karnataka E.B.	15.27
Andhra Pradesh S.E.B.	Pondicherry	32.64
Tamil Nadu S.E.B.	Pondicherry	207.00
Karnataka E.B.	Andhra Pradesh S.E.B.	2.72
Kerala S.E.B.	Karnataka E.B.	0.25
Kerala S.E.B.	Pondicherry	19.47

TABLE NO.43 (Contd.)

**STATEMENT SHOWING INTERSTATE TRANSFER OF ENERGY
REGIONWISE/STATEWISE DURING 1996-97**

Name of the Supplier	Name of the Purchaser	Energy Transferred (GWH)
EASTERN REGION		
Bihar S.E.B.	Damodar Valley Corp.	307.34
GRIDCO	Damodar Valley Corp.	92.43
West Bengal S.E.B.	Bihar S.E.B.	17.65
West Bengal S.E.B.	Damodar Valley Corp.	832.52
Damodar Valley Corp.	GRIDCO	103.78
Damodar Valley Corp.	Bihar S.E.B.	1546.07
Damodar Valley Corp.	West Bengal S.E.B. & DPL	1359.76
Damodar Valley Corp.	Licencees in West Bengal	869.16
Damodar Valley Corp.	F.C.I.	6.43
D.P.L.	West Bengal S.E.B.	595.27
Sikkim	West Bengal S.E.B.	0.20
Damodar Valley Corp.		
D.P.L.		
Sikkim		
NORTH EASTERN REGION		
Assam S.E.B.	Mizoram	7.85
Assam S.E.B.	Manipur	22.76
Assam S.E.B.	Nagaland	9.26
Meghalaya S.E.B.	Assam S.E.B.	155.3
Meghalaya S.E.B.	Mizoram	2.94
Meghalaya S.E.B.	Nagaland	13.09
Nagaland	Manipur	0.06
<u>INTER - REGIONAL TRANSFER OF ENERGY</u>		
NORTHERN REGION		WESTERN REGION
Rajasthan S.E.B.		M.P.Elec.y.Board
U.P.S.E.B.		M.P.Elec.y.Board
		306.45
		47.37
WESTERN REGION		SOUTHERN REGION
M.P.Elec.y.Board		Andhra Pradesh S.E.B.
		7.83
Maharashtra S.E.B.		Karnataka E.B.
		702.18
SOUTHERN REGION		EASTERN REGION
Andhra Pradesh S.E.B.		GRIDCO
		107.54

TABLE NO.43 (Contd.)

STATEMENT SHOWING INTERSTATE TRANSFER OF ENERGY
REGIONWISE/STATEWISE DURING 1996-97

Name of the Supplier	Name of the Purchaser	Energy Transferred (GWH)
SOUTHERN REGION		
WESTERN REGION		
Andhra Pradesh S.E.B.	M.P.E.B.	40.48
Karnataka E.B.	Goa	0.03
EASTERN REGION		
SOUTHERN REGION		
GRIDCO	Andhra Pradesh S.E.B.	212.64
West Bengal S.E.B.	Andhra Pradesh S.E.B.	77.83
EASTERN REGION		
NORTH EASTERN REGION		
GRIDCO	Assam S.E.B.	138.50
West Bengal S.E.B.	Assam S.E.B.	177.79
<u>OUTSIDE THE COUNTRY</u>		
EXPORT		
<hr/>		
Bihar S.E.B.	Nepal	83.99
Sub-Total		83.99
IMPORT		
<hr/>		
Nepal & Gandak Project	Bihar S.E.B.	110.24
Bhutan	D.V.C.	259.40
Bhutan	Bihar S.E.B.	520.24
Bhutan	West Bengal S.E.B.	421.60
Bhutan	Sikkim	16.30
Bhutan	GRIDCO	249.70
Sub-Total		1577.48

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.39.

GRIDCO: Grid Power Corporation of Orissa Ltd.

SECTION- VI

OPERATING DATA (UTILITIES)

SECTION -VI

OPERATING DATA (UTILITIES)

The coal consumption by various steam stations in the country during the year 1996-97 was 200.29 million metric tonnes as compared to 174.21 million metric tonnes during the previous year indicating an increase of 14.97%.

The consumption of fuels viz. lignite & FO decreased by 1.40% & 5.71% & LSHS & HHS Diesel Oil increased by 5.27% & 9.06% respectively. The specific coal consumption in 1996-97 is 0.753 Kg./per unit and specific Lignite consumption is 1.212Kg./per unit. The average heat input for all the power stations was 2918 K.Cal./Kwh. in 1996-97 as compared to 2739 K.Cal./Kwh. in previous year.

Out of 77 steam power stations, 14 power stations having aggregate installed capacity of 3659.88 MW representing 7.30% of total installed capacity of steam stations reported an overall thermal efficiency below 20%. This group of stations produced 11838.85 Gwh i.e. 4.45% of total steam generation.

11 power stations with an aggregate installed capacity of 6064.00 MW reported an overall thermal efficiency ranging between 20% to 25% and generated 26823.99 Gwh. i.e. 10.08% of total steam generation. 19 power stations with aggregate capacity of 12139.00 MW had an overall thermal efficiency in the range of 25% to 30% and produced 53140.22 Gwh representing 19.97% of total steam generation. 33 power stations with aggregate capacity of 28252.50 MW reported an overall thermal efficiency above 30% and generated 174184.29 Gwh which represents 65.48% of total steam generation during 1996-97.

This Section depicts the statewide and regionwise picture of fuel consumption by various types of plants. Two tables, one showing the manpower engaged in various State Electricity Boards and the other indicating the simultaneous peak demand in various regions are also given in this Section.

TABLE NO.44
CONSUMPTION OF FOSSIL FUELS FOR ELECTRICITY GENERATION
FOR THERMAL STATIONS (BY KIND OF FUELS)
REGIONWISE/STATEWISE DURING 1996-97

Region	State/U.Ts.	STEAM STATIONS	
		COAL(MT)	FURNACE OIL(KL)
NORTHERN REGION	Haryana	2873049	24402
	Himachal Pradesh	0	0
	Jammu & Kashmir	0	0
	Punjab	6801212	1160
	Rajasthan	3667208	11836
	Uttar Pradesh	14318811	36493
	Chandigarh	0	0
	Delhi	1276911	16446
	Central Sector	23310000	26948
	Sub-Total	52247191	117285
WESTERN REGION	Gujarat	12830067	38427
	Madhya Pradesh	13477901	74935
	Maharashtra	28080832	182809
	Goa	0	0
	Daman & Diu	0	0
	D. & N Haveli	0	0
	Central Sector	16824461	10910
	Sub-Total	71213261	307081
SOUTHERN REGION	Andhra Pradesh	14720731	58597
	Karnataka	3947993	3813
	Kerala	0	0
	Tamil Nadu	14684173	91499
	Pondicherry	0	0
	Central Sector	9817815	17104
	Sub-Total	43170712	171013
EASTERN REGION	Bihar	1966467	36261
	Orissa	1839000	0
	West Bengal	14697173	2727
	D.V.C.	4619373	53631
	Sikkim	0	0
	Central Sector	10256209	61630
	Sub-Total	33378222	154249
NORTH EASTERN REGION	Assam	283550	31364
	Manipur	0	0
	Meghalaya	0	0
	Nagaland	0	0
	Tripura	0	0
	Arunachal Pradesh	0	0
	Mizoram	0	0
	Central Sector	0	0
	Sub-Total	283550	31364
ISLANDS	Lakshadweep	0	0
	A. & N. Islands	0	0
	Total (All India)	200292936	780992

Note:- M.T.= Metric Tonnes. K.L.= Kilo Litres. Contd

TABLE NO.44(Contd.)
 CONSUMPTION OF FOSSIL FUELS FOR ELECTRICITY GENERATION
 FOR THERMAL STATIONS (BY KIND OF FUELS)
 REGIONWISE/STATEWISE DURING 1996-97

Region	State/U.Ts.	STEAM STATIONS			
		LIGHT DIESEL OIL/HSD (KL)	LSHS/HHS* (KL)	NATURAL GA (M.Cu.Mts.)	LIGNITE (MT)
NORTHERN REGION	Haryana	4286	34715	0	0
	Himachal Pradesh	0	0	0	0
	Jammu & Kashmir	0	0	0	0
	Punjab	6071	27045	0	0
	Rajasthan	375	1986	0	0
	Uttar Pradesh	23007	0	0	0
	Chandigarh	0	0	0	0
	Delhi	4548	15097	0	0
Central Sector	4539	2595	0	0	
	Sub-Total	42826	81438	0	0
WESTERN REGION	Gujarat	7752	881446	105.00	827022
	Madhya Pradesh	13765	0	0.00	0
	Maharashtra	15145	1203368	0.00	0
	Goa	0	0	0.00	0
	Daman & Diu	0	0	0.00	0
	D. & N Haveli	0	0	0.00	0
	Central Sector	252	0	0.00	0
	Sub-Total	36914	2084814	105	827022
SOUTHERN REGION	Andhra Pradesh	4243	0	0.00	0
	Karnataka	119	0	0.00	0
	Kerala	0	0	0.00	0
	Tamil Nadu	4209	1758	0.00	0
	Pondicherry	0	0	0.00	0
	Central Sector	3329	18842	0.00	14568790
Sub-Total	11900	20600	0.00	14568790	
EASTERN REGION	Bihar	7002	9071	0.00	0
	Orissa	0	10087	0.00	0
	West Bengal	67723	0	0.00	0
	D.V.C.	55329	0	0.00	0
	Sikkim	0	0	0.00	0
	Central Sector	10194	0	0.00	0
Sub-Total	140248	19158	0.00	0	
NORTH EASTERN REGION	Assam	5467	25698	0.00	0
	Manipur	0	0	0.00	0
	Meghalaya	0	0	0.00	0
	Nagaland	0	0	0.00	0
	Tripura	0	0	0.00	0
	Arunachal Pradesh	0	0	0.00	0
	Mizoram	0	0	0.00	0
	Central Sector	0	0	0.00	0
Sub-Total	5467	25698	0.00	0	
ISLANDS	Lakshadweep	0	0	0.00	0
	A. & N. Islands	0	0	0.00	0
	Total (All India)	237355	2231708	105	15395812

TABLE NO.44(Contd.)
 CONSUMPTION OF FOSSIL FUELS FOR ELECTRICITY GENERATION
 FOR THERMAL STATIONS (BY KIND OF FUELS)
 REGIONWISE/STATEWISE DURING 1996-97

STEAM STATIONS				
Region	State/U.Ts.	HEAT INPUT (K.Cal.xBillion)	GROSS GENERATIO (GWH)	AVERAGE HEAT INPUT (K.Cal./Kwh)
NORTHERN REGION	Haryana	11935.86	3402.88	3508
	Himachal Pradesh	0.00	0.00	0
	Jammu & Kashmir	0.00	0.00	0
	Punjab	26675.72	9778.25	2728
	Rajasthan	16560.06	6364.25	2602
	Uttar Pradesh	46302.79	18422.77	2513
	Chandigarh	0.00	0.00	0
	Delhi	4388.79	1463.36	2999
	Central Sector	87753.31	35154.90	2496
	Sub-Total	193616.53	74586.41	2596
WESTERN REGION	Gujarat	61191.20	23493.58	2605
	Madhya Pradesh	48336.82	16139.38	2995
	Maharashtra	119460.26	43109.57	2771
	Goa	0.00	0.00	0
	Daman & Diu	0.00	0.00	0
	D. & N Haveli	0.00	0.00	0
	Central Sector	62075.50	25168.45	2466
	Sub-Total	291063.78	107910.98	2697
SOUTHERN REGION	Andhra Pradesh	53828.86	16719.76	3219
	Karnataka	12023.25	5151.81	2334
	Kerala	0.00	0.00	0
	Tamil Nadu	65782.05	18597.55	3537
	Pondicherry	0.00	0.00	0
	Central Sector	74937.21	28378.36	2641
	Sub-Total	206571.37	68847.48	3000
EASTERN REGION	Bihar	9631.81	2407.81	4000
	Orissa	6778.28	2028.78	3341
	West Bengal	71554.62	14577.11	4909
	D.V.C.	22597.62	6284.21	3596
	Sikkim	0.00	0.00	0
	Central Sector	40511.81	12185.68	3325
	Sub-Total	151074.14	37483.59	4030
NORTH EASTERN REGION	Assam	2145.11	549.86	3901
	Manipur	0.00	0.00	0
	Meghalaya	0.00	0.00	0
	Nagaland	0.00	0.00	0
	Tripura	0.00	0.00	0
	Arunachal Pradesh	0.00	0.00	0
	Mizoram	0.00	0.00	0
	Central Sector	0.00	0.00	0
	Sub-Total	2145.11	549.86	3901
ISLANDS	Lakshadweep	0.00	0.00	0
	A. & N. Islands	0.00	0.00	0
	Total (All India)	844470.93	289378.32	2918

TABLE NO.44(Contd.)
 CONSUMPTION OF FOSSIL FUELS FOR ELECTRICITY GENERATIO
 FOR THERMAL STATIONS (BY KIND OF FUELS)
 REGIONWISE/STATEWISE DURING 1996-97

<u>GAS STATIONS</u>					
Region	State/U.Ts.	Natural Gas (M.Cu.Mts.)	H.S.D. (Kilo Ltrs.)	Naptha (Kilo Ltrs.)	Generatio (GWH)
NORTHERN REGION	Haryana	0	0	0	0.00
	Himachal Prades	0	0	0	0.00
	Jammu & Kashmi	0	(E) 27992	0	71.00
	Punjab	0	0	0	0.00
	Rajasthan	58	0	0	104.59
	Uttar Pradesh	0	0	0	0.00
	Chandigarh	0	0	0	0.00
	Delhi	237	11714	0	752.05
	Central Sector	2225		94356	10468.94
Sub-Total		2520	39706	94356	11396.58
WESTERN REGION	Gujarat	390	25932	0	2620.00
	Madhya Pradesh	0	0	0	0.00
	Maharashtra	421376	0	0	5727.33
	Goa	0	0	0	0.00
	Daman & Diu	0	0	0	0.00
	D. & N Haveli	0	0	0	0.00
	Central Sector	932	0	0	4587.90
	Sub-Total		422698	25932	0
SOUTHERN REGION	Andhra Pradesh	(E)556	0	0	1001.92
	Karnataka	0	0	0	0.00
	Kerala	0	0	0	0.00
	Tamil Nadu	2	11329	0	84.07
	Pondicherry	0	0	0	0.00
	Central Sector	0	0	0	0.00
Sub-Total		558	11329	0	1085.99
EASTERN REGION	Bihar	0	0	0	0.00
	Orissa	0	0	0	0.00
	West Bengal	0	14642	0	29.67
	D.V.C.	0	3107	3366	15.63
	Sikkim	0	0	0	0.00
	Central Sector	0	0	0	0.00
Sub-Total		0	17749	3366	45.30
NORTH EASTERN REGION	Assam	347	0	0	781.87
	Manipur	0	0	0	0.00
	Meghalaya	0	0	0	0.00
	Nagaland	0	0	0	0.00
	Tripura	184	0	0	210.00
	Arunachal Prades	0	0	0	0.00
	Mizoram	0	0	0	0.00
	Central Sector	213	0	0	529.94
Sub-Total		744	0	0	1521.81
ISLANDS	Lakshadweep	0	0	0	0.00
	A & N. Islands	0	0	0	0.00
Total (All India)		426520	94716	97722	26984.91

TABLE NO 44(Contd.)
 CONSUMPTION OF FOSSIL FUELS FOR ELECTRICITY GENERATION
 FOR THERMAL STATIONS (BY KIND OF FUELS)
 REGIONWISE/STATEWISE DURING 1996-97

		DIESEL STATIONS		
Region	State/U.Ts.	Diesel Oil (K.Lts.)	Generation (GWH)	Average Oil Consumed Lts./Kwh
NORTHERN REGION	Haryana	0	0.00	0.00
	Himachal Pradesh	0	0.00	0.00
	Jammu & Kashmir	0	0.00	0.00
	Punjab	0	0.00	0.00
	Rajasthan	0	0.00	0.00
	Uttar Pradesh	0	0.00	0.00
	Chandigarh	0	0.00	0.00
	Delhi	0	0.00	0.00
	Central Sector	0	0.00	0.00
	Sub-Total	0	0.00	0.00
WESTERN REGION	Gujarat	0	0.00	0.00
	Madhya Pradesh	0	0.00	0.00
	Maharashtra	0	0.00	0.00
	Goa	0	0.00	0.00
	Daman & Diu	0	0.00	0.00
	D. & N Haveli	0	0.00	0.00
	Central Sector	0	0.00	0.00
	Sub-Total	0	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	0	0.00	0.00
	Karnataka	105947	537.00	0.20
	Kerala	0	0.00	0.00
	Tamil Nadu	0	0.00	0.00
	Pondicherry	0	0.00	0.00
	Central Sector	0	0.00	0.00
	Sub-Total	105947	537.00	0.20
EASTERN REGION	Bihar	0	0.00	0.00
	Orissa	0	0.00	0.00
	West Bengal	(e)85	0.43	0.20
	D.V.C.	0	0.00	0.00
	Sikkim	(e)187	0.95	0.20
	Central Sector	0	0.00	0.00
	Sub-Total	272	1.38	0.28
NORTH EASTERN REGION	Assam	0	0.00	0.00
	Manipur	708	1.90	0.37
	Meghalaya	0	0.00	0.00
	Nagaland	(e)59	0.30	0.20
	Tripura	700	2.00	0.35
	Arunachal Pradesh	(e)3486	17.67	0.20
	Mizoram	4022	11.82	0.34
	Central Sector	0	0.00	0.00
	Sub-Total	8975	33.69	0.25
ISLANDS-	Lakshadweep	5833	16.80	0.35
	A. & N. Islands	25644	89.77	0.29
	Total (All India)	146671	678.64	0.22

TABLE NO 45

CLASSIFICATION OF STEAM STATIONS - EFFICIENCYWISE
DURING 1996-97

Overall Thermal Efficiency	No. of Generating Stations	Aggregate Installed Capacity (MW)	Energy Generated (GWH)	%age to Total Generation
Upto 10%	3	211.00	1189.44	0.45
Above 10% & Upto 15%	5	761.38	1650.63	0.62
Above 15% & Upto 20%	6	2687.50	8998.78	3.38
Above 20% & Upto 25%	11	6064.00	26823.99	10.08
Above 25% & Upto 30%	19	12139.10	53140.02	19.98
Above 30%	33	28252.50	174184.29	65.49
Total	77	50115.48	265987.15	100.00

Note:- It excludes Lignite stations, Multifuel and Furnace oil stations.

**SALIENT OPERATING DATA FOR STEAM POWER STATIONS (UTILITIES)
DURING 1996-97**

S.No.	Item	1996-97	1995-96	%Increase/ decrease
i.	No. of Stations	77	84	-8.33
ii.	Aggregate installed capacity(M.W.)	50115.48	53479.48	-6.29
iii.	Total Energy generated (Gross)(GWH)	265987.15	273743.54	-2.83
iii.	Fuel used(All Stations)			
(a)(i)	Coal (Tonnes)	200292936.00	174215651.00	14.13
(ii)	Average calorific value K.Cal./Kg.	3800.00	3968.00	
(b)(i)	Lignite (Tonnes)	15395812.00	15181838.00	1.40
(ii)	Average calorific value K.Cal./Kg.	2534.00	2682.00	
(c)(i)	Furnace Oil (K.Ltrs.)	780992.00	738793.00	5.71
(ii)	Average calorific value K.Cal./Kg.	9753.00	10806.00	
(d)(i)	Diesel Oil Oil (K.Ltrs.)	237355.00	217631.00	9.06
(ii)	Average calorific value K.Cal./Kg.	10230.00	9948.00	
(e)(i)	LSHS & HHS (K.L.)	2231708.00	2119831.00	5.27
(ii)	Average calorific value K.Cal./Ltrs.	10411.00	10433.00	
(f)	Specific Coal consumption Kg/unit/Kwh	0.7530	0.6364	
(g)	Specific Lignite consumption Kg/Kwh	1.212	0.00	

TABLE NO.47

ACTUAL SIMULTANEOUS PEAK DEMAND
REGIONWISE DURING 1996-97

Region	Month in which demand was (Maximum)	Peak Demand in March,97 (MW)	Actual Peak Demand (MW) simultaneous
Northern	Sept'96	15666.00	16109
Western	Feb'97	18350.00	18417
Southern	March'97	14296.00	14296
Eastern	March'97	6404.00	6404
North Eastern	Oct1996	718.00	776
All India	March'97	* 55434	* 55434

(1) * This is non-concident aggregate of simultaneous Peak Demand of various regions in the country.

(2) Source:- Annual Reports of Regional Electricity Boards.

Table No.48
**MANPOWER ENGAGED IN STATE ELECTRICITY BOARDS, DVC & DVB
 AS ON 31.3.1997 AS REPORTED BY STATE ELECTRICITY BOARDS**

Name of the Board Undertaking	R E G U L A R			
	Managerial and higher executive	Technical and Scientific Officers	Technical Supervisory Staff	Technicians and Operating Staff
1	2	3	4	5
NORTHERN REGION				
Haryana	N.F.	4085	N.F.	31328
Himachal Pradesh	16	877	N.F.	N.F.
J&K	N.F.	N.F.	N.F.	N.F.
Punjab	32	2541	N.F.	51764
Rajasthan	26	2049	2337	35538
Uttar Pradesh	N.F.	N.F.	N.F.	N.F.
DVB	N.F.	831	N.F.	N.F.
WESTERN REGION				
Gujarat	18	2591	2415	26590
Madhya Pradesh	52	4191	5138	59420
Maharashtra	36	978	8403	80270
SOUTHERN REGION				
Andhra Pradesh	40	2754	5684	45765
Karnataka	16	2341	1886	28383
Kerala	N.F.	N.F.	N.F.	N.F.
Tamil Nadu	39	3528	6183	52519
EASTERN REGION				
Bihar	29	3350	592	19549
Orissa	152	1379	979	279
West Bengal	11	1437	14460	NF
D.V.C.	26	1202	2172	5706
NORTH EASTERN REGION				
Assam	11	1085	1621	10865
Meghalaya	4	278	149	1924

N.F.-Not furnished by SEB's.

Contd.

Table No.48(Contd.)
MANPOWER ENGAGED IN STATE ELECTRICITY BOARDS, DVC & DVB
AS ON 31.3.1997 AS REPORTED BY STATE ELECTRICITY BOARDS

Name of the Board/ Undertaking	REGULAR		NON	REGULAR
	Non- Technical	Total (Regular) (2to6)	Technical Trainee & Apprentices	Work Charged Staff
	6	7	8	9
NORTHERN REGION				
Haryana	14531	49944	NF	4119
Himachal Pradesh	NF	893	NF	NF
Jammu & Kashmir	NF	NF	NF	NF
Punjab	30394	84731	NF	16157
Rajasthan	15181	55131	195	567
Uttar Pradesh	NF	NF	NF	NF
DVB	198	1029	2552	3191
WESTERN REGION				
Gujarat	16813	48427	NF	533
Madhya Pradesh	28527	97328	9	NF
Maharashtra	21187	110874	NF	NF
SOUTHERN REGION				
Andhra Pradesh	17559	71802	NF	826
Karnataka	9725	42351	NF	NF
Kerala	NF	NF	NF	NF
Tamil Nadu	28769	91038	680	NF
EASTERN REGION				
Bihar	10745	34265	NF	NF
Orissa	31196	33985	NF	928
West Bengal	250	16158	NF	9976
D.V.C.	508	9614	NF	5603
NORTH EASTERN REGION				
Assam	6848	20430	NF	908
Meghalaya	1970	4325	NF	NF

N.F.:-Not furnished by SEB's.

Contd.

Table No.48(Contd.)

**MANPOWER ENGAGED IN STATE ELECTRICITY BOARDS, DVC & D
AS ON 31.3.1997 AS REPORTED BY STATE ELECTRICITY BOARDS**

Name of the Board Undertaking	Casual	Total Non-Regular (8+9+10)	Total Regular & Non-Regular (7+11)
	10	11	12
NORTHERN REGION			
Haryana	N.F.	4119	54063
Himachal Pradesh	6593	6593	7486
Jammu & Kashmir	N.F.	N.F.	NF
Punjab	N.F.	16157	100888
Rajasthan	415	1177	56308
Uttar Pradesh	N.F.	N.F.	NF
DVB	17932	23675	24704
WESTERN REGION			
Gujarat	N.F.	533	48960
Madhya Pradesh	N.F.	9	97337
Maharashtra	N.F.	N.F.	110874
SOUTHERN REGION			
Andhra Pradesh	182	1008	72810
Karnataka	N.F.	N.F.	42351
Kerala	N.F.	N.F.	NF
Tamil Nadu	N.F.	680	91718
EASTERN REGION			
Bihar	N.F.	N.F.	34265
Orissa	NF	928	34913
West Bengal	12165	22141	38299
D.V.C.	N.F.	5603	
NORTH EASTERN REGION			
Assam	NF	908	21338
Meghalaya	N.F.	N.F.	4325

N.F.: -Not furnished by SEB's.

SECTION- VII

TRANSMISSION & DISTRIBUTION

SECTION -VII

TRANSMISSION AND DISTRIBUTION

I. Transmission & Distribution

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 HVDC, 400 KV, 230/220 KV, 110 KV and 66 KV. 400 KV E.H.V. lines have been introduced so far by the S.E.Bs. of Punjab U.P., W.B., M.P., Maharashtra, Gujarat, Karnataka, Bihar and Orissa as also by B.B.M.B. (Punjab) and Central Sector only.

The standard voltage of operation on the distribution side are 33 KV, 22 KV, 11KV, 400/230 Volts besides 6.6 KV, 3.3 KV and 2.2 KV. The low voltage system has 3 phase 4 wires supply giving 400/420 volts between 2 phases and 220/240 volts between phase and neutral. This has been universally adopted throughout the country.

The following table depicts the length of lines operating at various voltages as on 31.3.1997 with percentage increase over previous year:-

Voltages	Length of Lines (Ckt. Kms.)		
	31.3.96	31.3.97	% increase
HVDC	1667	1667	0.00
400 KV	28349	36166	27.57
230/220 KV	76203	80459	5.59
132/110/90 KV	97446	99309	1.91
78/66 KV	37042	37042	0.00
33/22 KV	238876	239900	0.43
15/11 KV	1523749	1533518	0.64
6.6/3.3/2.2 KV	4522	4552	0.00
Distribution lines upto 500 volts	3081842	3108830	0.88
Total	5089696	5141413	1.02

The State of Andhra Pradesh has the largest Transmission and Distribution network of 6,14,286 Ckt.Kms. in the country. Apart from the States of Punjab, Haryana, Rajasthan, Uttar Pradesh, Gujarat, Madhya Pradesh, Maharashtra, Karnataka, Kerala, Tamil Nadu, Bihar, West Bengal and Orissa 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, 1997 were 1590 having aggregate capacity of 89461.82 MVA. The number and capacity of step down and distribution transformers as on the same date were 50344 and 1694711 numbers with aggregate capacity of 283348.50 MVA and 124602.35 MVA respectively.

** ** **

TABLE No.49
LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1997.

159

(Ckt. Kms.)

REGION	Name of the State/U.Ts.	Total	HVD (O.H.)	400 KV (O.H.)	230 KV (O.H.)	220 KV (O.H.)
NORTHERN REGION	Haryana	166267	0	0	0	1135
	Himachal Pradesh	59655	0	0	0	192
	Jammu & Kashmir (R)	41884	0	0	0	224
	Punjab	241110	0	857	0	5679
	Rajasthan	350312	0	0	0	5851
	Uttar Pradesh	456260	0	3654	0	6042
	Chandigarh	1988	0	0	0	0
	Delhi	32214	0	24	0	478
	Central Sector	9382	1630	5385	0	2367
	Sub-Total	1359072	1630	9920	0	21968
WESTERN REGION	Gujarat	315116	0	1861	0	8086
	Madhya Pradesh	599295	0	1953	0	7859
	Maharashtra	479744	0	5172	0	8731
	Goa	8601	0	0	0	24
	D. & N. Haveli	345	0	0	0	0
	Daman & Diu	1314	0	0	0	0
	Central Sector	5930	0	5076	0	854
	Sub-Total	1410345	0	14062	0	25554
SOUTHERN REGION	Andhra Pradesh	614286	37	0	0	7633
	Karnataka	448955	0	1023	0	6365
	Kerala	159796	0	0	0	1295
	Tamil Nadu	517844	0	0	5528	0
	Lakshadweep	209	0	0	0	0
	Pondicherry	4671	0	0	0	63
	Central Sector	6218	0	6154	0	64
Sub-Total	1751979	37	7177	5528	15420	
EASTERN REGION	Bihar	180344	0	583	0	1558
	Orissa	117972	0	457	0	3467
	West Bengal	158157	0	292	0	2861
	D.V.C.	5774	0	0	0	1019
	A. & N. Islands	3298	0	0	0	0
	Sikkim	4460	0	0	0	0
	Central Sector	5038	0	3675	0	1363
	Sub-Total	475043	0	5007	0	10268
NORTH EASTERN REGION	Assam	81083	0	0	0	1044
	Manipur	9849	0	0	0	0
	Meghalaya	13681	0	0	0	0
	Nagaland	10675	0	0	0	0
	Tripura	10615	0	0	0	0
	Arunachal Pradesh	10521	0	0	0	0
	Mizoram	7092	0	0	0	0
	Central Sector	1038	0	0	0	257
Sub-Total	144554	0	0	0	1301	
Total (All India)		5140993	1667	36166	5528	74511

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1997

(Ckt. Kms.)

REGION	Name of the State/U.Ts.	132 KV (O.H.)	0/90 KV	78/66 KV (O.H.)	33 KV (O.H.)	(U.G.)
NORTHERN REGION	Haryana	2153	0	1540	4357	0
	Himachal Pradesh	455	0	330	1959	7
	Jammu & Kashmir (R)	659	0	0	1693	0
	Punjab	2939	0	3755	1494	0
	Rajasthan	9104	0	303	21105	0
	Uttar Pradesh	10358	0	3139	24374	2
	Chandigarh	0	0	61	0	0
	Delhi	0	0	608	997	0
	Central Sector	0		0	0	0
	Sub-Total	25668	0	9738	55979	9
WESTERN REGION	Gujarat	4273	0	11263	150	0
	Madhya Pradesh	11693	0	362	32745	0
	Maharashtra	8170	2817	3264	16751	29
	Goa	0	198	0	815	0
	Daman & Diu	0	0	42	0	0
	D. & N. Haveli	0	0	59	0	0
	Central Sector	0	0	0	0	0
		Sub-Total	24136	3015	14990	50461
SOUTHERN REGION	Andhra Pradesh	10017	0	633	25733	49
	Karnataka	0	5157	4628	5175	0
	Kerala	0	2444	2565	0	0
	Tamil Nadu	0	9401	2706	4617	253
	Lakshadweep	0	0	0	0	0
	Pondicherry	0	158	0	0	0
	Central Sector	0	0	0	0	0
	Sub-Total	10017	17160	10532	35525	302
EASTERN REGION	Bihar	4441	0	0	8876	0
	Orissa	4211	0	136	9831	10
	West Bengal	3475	0	806	6507	858
	D.V.C.	3474	0	0	1281	0
	A & N. Islands	0	0	0	283	0
	Sikkim	0	0	29	0	0
	Central Sector	0	0	0	0	0
	Sub-Total	15601	0	971	26778	868
NORTH EASTERN REGION	Assam	1357	0	159	4982	0
	Manipur	309	0	0	541	0
	Meghalaya	552	0	0	1038	0
	Nagaland (R)	240	0	236	1874	0
	Tripura	150	0	308	443	0
	Arunachal Pradesh (R)	0	0	0	2832	0
	Mizoram	323	0	110	687	0
	Central Sector	781	0	0	0	0
	Sub-Total	3712	0	813	12397	0
	Total (All India)	79134	20175	37042	181140	1208

Note - In certain class of voltage, figures have gone down as compared to previous year due to revision/deletion or wrongly reported data by State Electricity Board/Electricity Department.

TAABLE No.49(Contd.)
 LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
 REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1997.

161

(Ckt. Kms)

REGION	Name of the State/U.Ts.	22/20 KV		15/11 KV		6.6 KV	
		(O.H.)	(U.G.)	(O.H.)	(U.G.)	O.H.)	(U.G.)
NORTHERN REGION	Haryana	0	0	53816	0	0	0
	Himachal Pradesh	4001	0	11881	62	0	0
	Jammu & Kashmir (0	0	11538	0	0	0
	Punjab	0	0	80188	0	70	52
	Rajasthan	0	0	130725	0	56	0
	Uttar Pradesh	0	0	184839	303	0	0
	Chandigarh	0	0	723	0	0	0
	Delhi	0	0	3126	5349	0	0
	Central Sector	0	0	0	0	0	0
Sub-Total		4001	0	476836	5714	126	52
WESTERN REGION	Gujarat	5441	0	109907	2175	0	0
	Madhya Pradesh	0	0	189763	540	0	0
	Maharashtra	16863	690	128828	753	49	1320
	Goa	0	0	2239	0	0	0
	Daman & Diu	0	0	157	9	0	0
	D. & N. Haveli	0	0	355	0	0	0
	Central Sector	0	0	0	0	0	0
	Sub-Total		22304	690	431249	3477	49
SOUTHERN REGION	Andhra Pradesh	0	0	157123	516	0	0
	Karnataka	0	0	112685	989	0	0
	Kerala	0	0	24964	0	0	0
	Tamil Nadu	29881	10	68913	1352	0	0
	Lakshadweep	0	0	0	13	0	0
	Pondicherry	616	0	239	28	0	0
	Central Sector	0	0	0	0	0	0
Sub-Total		30497	10	363924	2898	0	0
EASTERN REGION	Bihar	0	0	73823	0	0	0
	Orissa	0	0	48209	192	0	0
	West Bengal	0	50	65527	312	18	2605
	D.V.C.	0	0	0	0	0	0
	A & N. Islands	0	0	817	0	0	0
	Sikkim	0	0	1692	0	0	0
	Central Sector	0	0	0	0	0	0
Sub-Total		0	50	190068	504	18	2605
NORTH EASTERN REGION	Assam	0	0	32831	0	0	0
	Manipur	0	0	4958	0	0	0
	Meghalaya	0	0	6331	0	0	0
	Nagaland	0	0	4007	0	0	0
	Tripura	0	0	4261	0	0	0
	Arunachal Pradesh	0	0	2953	0	0	0
	Mizoram	0	0	3507	0	0	0
	Central Sector	0	0	0	0	0	0
Sub-Total		0	0	58848	0	0	0
Total (All India)		56802	750	1520925	12593	193	3977

@@ Included in O.H.category.

@ Included in 15/11 KV O.H. category.

(D)Includes line length of 6.6 KV & 3.3 KV of West Bengal S.E. B.

TAABLE No.49(Contd.) 162
LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1997.
(Ckt. Kms.)

REGION	Name of the State/U.Ts.	3.3/ 2.2 KV (O.H.)	(U.G.)	Distribution lines upto 500 Volts
NORTHERN REGION	Haryana	0	0	103266
	Himachal Pradesh	0	45	40723
	Jammu & Kashmir	0	0	27770
	Punjab	0	0	146076
	Rajasthan	14	0	183154
	Uttar Pradesh	0	0	223549
	Chandigarh	28	0	1176
	Delhi	0	0	21632
Central Sector	0	0	0	
Sub-Total		42	45	747346
WESTERN REGION	Gujarat	0	107	171853
	Madhya Pradesh	49	0	354331
	Maharashtra	0	0	286307
	Goa	0	0	5325
	Daman & Diu	0	0	137
	D. & N. Haveli	0	0	900
	Central Sector	0	0	0
Sub-Total		49	107	818853
SOUTHERN REGION	Andhra Pradesh	0	34	412511
	Karnataka	0	0	312933
	Kerala	0	0	128528
	Tamil Nadu	0	0	395183
	Lakshadweep	9	17	170
	Pondicherry	0	0	3567
Central Sector	0	0	0	
Sub-Total		9	51	1252892
EASTERN REGION	Bihar	0	0	91063
	Orissa	0	0	51459
	West Bengal	22	23	74801
	D.V.C.	0	0	0
	A. & N. Islands	0	0	2198
	Sikkim	4	0	2735
	Central Sector	0	0	0
Sub-Total		26	23	222256
NORTH EASTERN REGION	Assam	0	0	40710
	Manipur	0	0	4041
	Meghalaya	0	0	5760
	Nagaland	0	0	4318
	Tripura	0	0	5453
	Arunachal Pradesh	0	0	4736
	Mizoram	0	0	2465
	Central Sector	0	0	0
Sub-Total		0	0	67483
Total (All India)		126	226	3108830

(R) - Repeated

TABLE No.50

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1997
(Ckt.Kms.)

REGION	Name of the Board	Total	HVDC	400 KV	230 KV	220 KV
			(O.H.)	(O.H.)	(O.H.)	(O.H.)
NORTHERN REGION	Haryana	166267	0	0	0	1135
	Himachal Prades	59655	0	0	0	192
	Jammu & Kashmi	41774	0	0	0	224
	Punjab	240822	0	857	0	5679
	Rajasthan	350312	0	0	0	5851
	Uttar Pradesh	454499	0	3654	0	6042
	Delhi Vidyut Boar	30494	0	24	0	478
	Sub-Total	1343823	0	4535	0	19601
WESTERN REGION	Gujarat	303398	0	1861	0	8086
	Madhya Pradesh	2290331	0	1953	0	7859
	Maharashtra	470473	0	5172	0	8731
	Sub-Total	3064202	0	8986	0	24676
SOUTHERN REGION	Andhra Pradesh	587542	37	0	0	763
	Karnataka	445695	0	1023	0	6571
	Kerala	157112	0	0	0	1295
	Tamil Nadu	513859	0	0	5528	0
	Sub-Total	1704208	37	1023	5528	8629
EASTERN REGION	Bihar	179302	0	583	0	1558
	Orissa(GRIDCO)	117972	0	457	0	3467
	West Bengal	146284	0	292	0	2861
	Sub-Total	443558	0	1332	0	7886
NORTH EASTERN REGION	Assam	81083	0	0	0	1044
	Meghalaya	13681	0	0	0	0
	Sub-Total	94764	0	0	0	1044
	Total (All Boards)	6650555	37	15876	5528	61836

TABLE No.50(Contd.)

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1997

(Ckt.Kms.)

REGION	Name of the Board	132 KV	110/90 K	78/66 KV	33 KV	(U.G.)
		(O.H.)	(O.H.)	(O.H.)	(O.H.)	
NORTHERN REGION	Haryana	2153	0	1540	4357	0
	Himachal Pradesh	455	0	330	1959	7
	Jammu & Kashmir	659	\$	0	1693	0
	Punjab	2919	0	3609	1494	0
	Rajasthan	9104	0	303	21105	0
	Uttar Pradesh	10358	0	3139	24345	0
	Delhi Vidyut Board	0	0	503	986	0
	Sub-Total	25648	0	9424	55939	7
WESTERN REGION	Gujarat	4273	0	11115	150	0
	Madhya Pradesh	11693	0	362	32745	0
	Maharashtra	8170	2107	3264	16410	14
	Sub-Total	24136	2107	14741	49305	14
SOUTHERN REGION	Andhra Pradesh	10017	0	420	25733	45
	Karnataka	0	5157	4628	5175	0
	Kerala	0	2444	2565	0	0
	Tamil Nadu	0	9401	2706	4617	223
	Sub-Total	10017	17002	10319	35525	268
EASTERN REGION	Bihar	4441	0	0	8876	0
	Orissa(GRIDCO)	4211	0	136	9831	10
	West Bengal	3373	0	806	6440	0
	Sub-Total	12025	0	942	25147	10
NORTH EASTERN REGION	Assam	1357	0	159	4982	0
	Meghalaya	552	0	0	1038	0
	Sub-Total	1909	0	159	6020	0
Total (All Boards)		73735	19109	35585	171936	299

TABLE No.50(Contd.)

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1997

(Ckt.Kms.)

REGION	Name of the Board	22/20 KV		15/11 KV		6.6 KV	
		(O.H.)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
NORTHERN REGION	Haryana	0	0	53816	0	0	0
	Himachal Pradesh	4001	0	11881	62	0	0
	Jammu & Kashmir	0	0	11428	0	0	0
	Punjab	0	0	80188	0	0	0
	Rajasthan	0	0	130725	0	56	0
	Uttar Pradesh	0	0	183412	0	0	0
	Delhi Vidyut Board	0	0	8297	0	0	0
	Sub-Total	4001	0	479747	62	56	0
WESTERN REGION	Gujarat	5441	0	109586	0	0	0
	Madhya Pradesh	0	0	1893386	540	0	0
	Maharashtra	16690	187	127283	725	0	0
	Sub-Total	22131	187	2130255	1265	0	0
SOUTHERN REGION	Andhra Pradesh	0	0	152560	429	0	0
	Karnataka	0	0	112042	989	0	0
	Kerala	0	0	24753	0	0	0
	Tamil Nadu	29861	10	68235	1352	0	0
	Sub-Total	29861	10	357590	2770	0	0
EASTERN REGION	Bihar	0	0	73334	0	0	0
	Orissa(GRIDCO)	0	0	48209	192	0	0
	West Bengal	0	0	64914	0	0	0
	Sub-Total	0	0	186457	192	0	0
NORTH EASTERN REGION	Assam	0	0	32831	0	0	0
	Meghalaya	0	0	6331	0	0	0
	Sub-Total	0	0	39162	0	0	0
	Total (All Boards)	55993	197	3193211	4289	56	0

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1997

(Ckt. Kms)

REGION	Name of the Board	3.3./2.2. KV		Distribution line upto 500 volts.
		(O.H.)	(U.G.)	
NORTHERN REGION	Haryana	0	0	103266
	Himachal Pradesh		45	40723
	Jammu & Kashmir	0	0	27770
	Punjab	0	0	146076
	Rajasthan	14	0	183154
	Uttar Pradesh	0	0	223549
	Delhi Vidyut Board	0	0	20206
	Sub-Total	14	45	744744
WESTERN REGION	Gujarat	0	0	162886
	Madhya Pradesh	49	0	341744
	Maharashtra	0	0	281720
	Sub-Total	49	0	786350
SOUTHERN REGION	Andhra Pradesh	0	0	397538
	Karnataka	0	0	310110
	Kerala	0	0	126055
	Tamil Nadu	0	0	391926
	Sub-Total	0	0	1225629
EASTERN REGION	Bihar	0	0	90510
	Orissa(GRIDCO)	0	0	51459
	West Bengal	0	0	67598
	Sub-Total	0	0	209567
NORTH EASTERN REGION	Assam	0	0	40710
	Meghalaya	0	0	5760
	Sub-Total	0	0	46470
	Total (All Boards)	63	45	3012760

Note: In certain cases, 1993-94 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 Boards.

NUMBER OF TRANSFORMERS AND THEIR AGGREGATE CAPACITY
(UTILITIES ONLY) REGIONWISE/STATEWISE AS ON 31.3.1997

REGION	Name of the State/U.Ts.	STEP UP		STEP DOWN	
		Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity(KVA)
NORTHERN REGION	Haryana	13	845000	848	1428500
	Himachal Pradesh	66	387590	293	1686448
	Jammu & Kashmir	58	341000	116	609950
	Punjab	75	5661164	532	1759635
	Rajasthan	40	1599430	2411	15520735
	Uttar Pradesh	81	5850000	2924	28316000
	Chandigarh	2	1500	33	38650
	Delhi	16	885000	320	8553000
	Central Sector	84	1244312	147	1963585
	Sub-Total	435	16814996	7624	59876503
WESTERN REGION	Gujarat	68	5510130	1087	21933750
	Madhya Pradesh	56	5051305	2660	70464735
	Maharashtra	97	10718475	1169	41754800
	Goa	0	0	50	789950
	Daman & Diu	0	0	7	60000
	D. & N. Haveli	0	0	7	60000
	Central Sector	34	6774000	35	1564000
		Sub-Total	255	28053910	5015
SOUTHERN REGION	Andhra Pradesh	121	6477520	1848	13283410
	Karnataka	122	7844335	1026	14047610
	Kerala	48	1699475	372	7255700
	Tamil Nadu	173	6506049	1320	17935770
	Lakshadweep	15	5160	0	0
	Pondicherry	0	0	113	416300
	Central Sector	34	6275000	66	1423000
	Sub-Total	513	28807539	4745	54361790
EASTERN REGION	Bihar	26	2135000	1054	7481550
	Orissa	60	3270000	30862	7862851
	West Bengal	61	3560789	393	8639600
	D.V.C.	25	2662200	49	375150
	A & N. Islands	26	44895	0	0
	Sikkim	36	43200	19	55500
	Central Sector	9	3270000	45	6377000
	Sub-Total	243	14986084	32422	30791651
NORTH EASTERN REGION	Assam	8	2070	251	789520
	Manipur	4	2000	39	212650
	Meghalaya	15	239100	65	226770
	Nagaland	7	6850	63	268450
	Tripura	11	64140	47	147670
	Arunachal Pradesh	54	29415	21	23185
	Mizoram	24	8750	51	18075
	Central Sector	21	446970	1	5000
		Sub-Total	144	799295	538
	Total (All India)	1590	89461824	50344	283348499

Note: Data in Central Sector includes the Capacity of Power Grid Corpn.

TABLE No.51(Contd.) 168
**NUMBER OF TRANSFORMERS AND THEIR AGGREGATE CAPACITY
(UTILITIES ONLY) REGIONWISE/STATEWISE AS ON 31.3.1997**

REGION	Name of the State/U.Ts.	DISTRIBUTION	
		Number	Aggregate Capacity (KVA)
NORTHERN REGION	Haryana	93356	6317560
	Himachal Pradesh	7100	461904
	Jammu & Kashmir	5762	891187
	Punjab	132051	9124954
	Rajasthan	127176	7351708
	Uttar Pradesh	276448	14594258
	Chandigarh	877	315665
	Delhi	6682	4245975
	Central Sector	162	190000
	Sub-Total	649614	43493211
WESTERN REGION	Gujarat	135700	12296438
	Madhya Pradesh	225313	11820877
	Maharashtra	141679	12151806
	Goa	2321	245337
	Daman & Diu	257	45445
	D. & N. Haveli	232	21807
	Central Sector	20	31830
	Sub-Total	505522	36613540
SOUTHERN REGION	Andhra Pradesh	146215	11121738
	Karnataka	102117	6493215
	Kerala	24797	3079408
	Tamil Nadu	107854	12160438
	Lakshadweep	42	3743
	Pondicherry	720	123898
	Central Sector	128	151270
	Sub-Total	381873	33133710
EASTERN REGION	Bihar	47297	3631134
	Orissa	22938	1660364
	West Bengal	61450	3576982
	D V C.	136	104650
	A & N. Islands	351	37834
	Sikkim	1231	57081
	Central Sector	43	54760
	Sub-Total	133446	9222805
NORTH EASTERN REGION	Assam	16173	1538209
	Manipur	1699	153156
	Meghalaya	2011	136175
	Nagaland	1362	87627
	Tripura	1760	98633
	Arunachal Pradesh	367	31670
	Mizoram	884	93616
	Central Sector	0	0
	Sub-Total	24256	2139086
	Total (All India)	1694711	124602352

TABLE No. 52

**NUMBER OF TRANSFORMERS AND THEIR AGGREGATE CAPACITY
IN STATE ELECTRICITY BOARDS AS ON 31ST MARCH, 1997**

REGION	Name of the Board	STEP UP		STEP DOWN	
		Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity (KVA)
NORTHERN REGION	Haryana	12	845000	648	1423500
	Himachal Pradesh	66	187590	290	1685448
	Jammu & Kashmir (R)	58	241000	118	502650
	Punjab	50	2670841	445	15709000
	Rajasthan	34	599180	2585	17254015
	Uttar Pradesh	81	5850000	3197	32918000
	Delhi	16	865000	359	10102000
	Sub-Total	318	11578411	7643	79107913
WESTERN REGION	Gujarat	38	5570000	1008	26871000
	Madhya Pradesh	57	4357000	2751	26697000
	Maharashtra	68	3635475	2913	41565500
	Sub-Total	163	13562475	6972	98700500
SOUTHERN REGION	Andhra Pradesh	89	6175000	1650	13500000
	Karnataka	32	455000	1069	14993000
	Kerala	48	1899475	379	7384600
	Tamil Nadu	175	9506049	1060	19113000
	Sub-Total	374	14636524	4658	54990600
EASTERN REGION	Bihar	26	2135000	1034	7481550
	Orissa (GRIDCO)	61	2517600	3375	8315170
	West Bengal	48	1698350	227	5295900
	Sub-Total	125	6350950	3636	21092620
NORTH EASTERN REGION	Assam	35	732870	251	769520
	Meghalaya	12	228600	67	256940
	Sub-Total	47	961470	318	1046460
	Total (All Boards)	1022	52821730	53247	251376093

Note: In certain cases figures have gone down as compared to previous year due to revision/detour/failure or installation of higher capacity transformers by the Board.

(R)- Data repeated.

TABLE No.52 (Contd.)

**NUMBER OF TRANSFORMERS AND THEIR AGGREGATE CAPACITY
IN STATE ELECTRICITY BOARDS AS ON 31ST MARCH, 1997**

DISTRIBUTION			
REGION	Name of the Board	Number	Aggregate Capacity (KVA)
NORTHERN REGION	Haryana	97280	6599918
	Himachal Pradesh	10191	720270
	Jammu & Kashmir (R)	5661	830910
	Punjab	140516	9614062
	Rajasthan	144331	8027232
	Uttar Pradesh	295494	16052000
	Delhi	6956	4229335
	Sub-Total	701337	46426727
WESTERN REGION	Gujarat	157554	11923191
	Madhya Pradesh	165293	12150254
	Maharashtra	156148	14668665
	Sub-Total	478995	38743010
SOUTHERN REGION	Andhra Pradesh	147775	11606892
	Karnataka	106266	6818095
	Kerala	25540	3192580
	Tamil Nadu	110847	13002000
	Sub-Total	390828	34619667
EASTERN REGION	Bihar	46893	3594722
	Orissa (GRIDCO)	31290	4837950
	West Bengal	59500	2720150
	Sub-Total	137683	11152622
NORTH EASTERN REGION	Assam	19025	1650555
	Meghalaya	2070	179837
	Sub-Total	21095	1830392
	Total (All Boards)	1729938	132772618

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

SECTION -VIII

UTILISATIONI. Energy Consumption

Electricity consumption by various categories of consumers served by utilities during the year under review was 280206.18 Gwh registering an increase of 1.15% over previous year.

As in the preceding year, the major portion of electricity viz. 262195.77 Gwh representing 93.57% of the total energy consumption was distributed by the Public Sector and remaining 6.43% was distributed by the private sector. Out of 93.57% of energy distributed by the Public Sector, 86.61% was supplied by the 18 State Electricity Boards and balance 6.96% was supplied by the Municipalities and Electricity Departments of the States and Union Territories. Out of 6.43% of energy distributed by the whole Private Sector (including Co-operative Societies), the four major private licensees viz. Tata Electric Companies, Calcutta Electric Supply Corporation, Ahmedabad Electricity Supply Company and BSES Ltd. distributed 1.76%, 0.88% ,0.88% and 1.56% of total energy to its consumers respectively. The details of energy sold by various agencies during 1996-97 are tabulated below:-

Energy sold to ultimate consumers.			
Sl. No.	Agency	Quantum (GWH)	% to total Consumption over 1995-96 % increase

1.	State Elec. Boards	242681.82	86.61
2.	Elec. Deptts. of States & Union Territories.	16030.16	5.72
3.	Municipalities	3483.79	1.24
4.	Private Licensees (including Co-op.)	18010.41	6.43
Total		280206.18	100.00

1.15

As regards the energy consumed by various classes of consumers, the Industrial category of consumers, as usual consumed highest energy i.e. 37.18% of total energy sold by Public Utilities as compared to 37.79% during 1995-96. The energy sales to Industrial consumers registered an decrease of 0.50% over the previous year.

Agricultural consumers remained the second largest category amongst the consumers of electricity consuming 29.99% of total energy sales as compared to 30.95% during the previous year. Percentage decrease in consumption of energy by this Sector was 2.00% over the previous year.

II. Per Capita Consumption

The per capita consumption of electricity in the country was 334.26 Kwh during 1996-97 as compared to 336.41 Kwh during 1995-96. Western Region had the maximum per capita consumption of 522.39 Kwh followed by Southern, Northern, Eastern and North Eastern Regions with figures of 365.64, 305.85, 187.71 and 104.00 kwh respectively.

Amongst the States, Punjab with per capita consumption of 792.39 Kwh was at the top followed by Goa, Gujarat and Delhi having per capita consumption of 724.39, 694.35 and 577.00 Kwh respectively. However, Union Territory of Dadra & Nagar Haveli had the highest per capita consumption of electricity of 2379.17 Kwh in the country during the year followed by Daman & Diu 2335.17 Kwh.

III. Electrical Accidents

To the extent the information was made available, during the year 1996-97, total number of electrical accidents reported was 7340 which comprised of 2122 fatal, 2467 non-fatal accidents to human and 2773 fatal and 8 non-fatal accidents to animals. Corresponding figures for the year 1995-96 were 2436 fatal, 1699 non-fatal accidents to human and 1636 fatal and 13 non-fatal accidents to animals.

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

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TABLE No.53

ALL INDIA ENERGY SALES (UTILITIES ONLY) DURING 1996-97

(GWH)

Category	Energy sold during 1995-96	% to total sales in 1995-96	Energy sold during 1996-97	% to total sales in 1996-97	% increase in sale over previous year 1995-96
Domestic	51733.25	18.67	55266.54	19.72	6.83
Commercial	16995.99	6.13	17519.38	6.25	3.08
Industrial Power	104693.13	37.79	104164.65	37.18	-0.50
Public Lighting	2223.01	0.80	2473.37	0.88	11.26
Railways/ Tramways	6223.40	2.25	6594.21	2.35	5.96
Agriculture	85732.15	30.95	84018.95	29.99	-2.00
Public Water Works & Sewage Pumping	5277.96	1.91	5569.17	1.99	5.52
Miscellaneous	4149.68	1.50	4599.91	1.64	10.85
Total	277028.57	100.00	280206.18	100.00	1.15

TABLE NO.54

**ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1996-97**

Region	State/U.Ts.	Total Energy Sold (GWH) Col. I	PUBLIC SECTOR	
			State Electricity Boards (GWH)	% of Col. I
NORTHERN REGION	Haryana	8710.54	8710.54	100.00
	Himachal Pradesh	1766.59	1757.61	99.49
	Jammu & Kashmir	1970.11	1895.11	96.19
	Punjab	17506.08	17325.79	98.97
	Rajasthan	13751.82	13670.00	99.41
	Uttar Pradesh	26588.20	26295.00	98.90
	Chandigarh	625.93	0.00	0.00
	Delhi	6860.48	6028.00	87.87
	Sub-Total	77779.75	75682.05	97.30
WESTERN REGION	Gujarat	27377.50	23539.00	85.98
	Madhya Pradesh	23328.74	22820.17	97.82
	Maharashtra	47082.23	37171.42	78.95
	Goa	957.16	0.00	0.00
	Daman & Diu	280.22	0.00	0.00
	D. & N Haveli	378.65	0.00	0.00
	Sub-Total	99404.50	83530.59	84.03
SOUTHERN REGION	Andhra Pradesh	21323.73	20291.13	95.16
	Karnataka	15223.64	15114.88	99.29
	Kerala	6985.51	6906.80	98.87
	Tamil Nadu	26245.32	25311.00	96.44
	Pondicherry	845.41	0.00	0.00
	Lakshadweep	14.05	0.00	0.00
	Sub-Total	70637.66	67623.81	95.73
EASTERN REGION	Bihar	10659.24	6662.39	62.51
	Orissa	4876.45	0.00	0.00
	West Bengal	13602.94	6979.84	51.31
	A. & N. Islands	70.53	0.00	0.00
	Sikkim	85.92	0.00	0.00
	Sub-Total	29295.08	13642.23	46.57
NORTH EASTERN REGION	Assam	1920.59	1920.59	100.00
	Manipur	286.38	0.00	0.00
	Meghalaya	290.55	282.55	97.25
	Nagaland	128.69	0.00	0.00
	Tripura	270.00	0.00	0.00
	Arunachal Pradesh	85.65	0.00	0.00
	Mizoram	107.33	0.00	0.00
	Sub-Total	3089.19	2203.14	71.32
	Total (All India)	280206.18	242681.82	86.61

TABLE NO.54(Contd.)
ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1996-97

		P U B L I C S E C T O R			
Region	State/U.Ts.	Municipalities		Govt. Depts./Govt. Undertakings/Corporations	
		(GWH)	% of Col. I	(GWH)	% of Col. I
NORTHERN REGION	Haryana	0.00	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	8.98	0.51
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	180.29	1.03
	Rajasthan	0.00	0.00	81.82	0.59
	Uttar Pradesh	0.00	0.00	51.15	0.19
	Chandigarh	0.00	0.00	625.93	100.00
	Delhi	745.00	10.86	87.48	1.28
	Sub-Total	745.00	0.96	1035.65	1.33
WESTERN REGION	Gujarat	0.00	0.00	2.24	0.01
	Madhya Pradesh	0.00	0.00	65.00	0.28
	Maharashtra	2692.30	5.72	0.00	0.00
	Goa	0.00	0.00	957.16	100.00
	Daman & Diu	0.00	0.00	280.22	100.00
	D. & N Haveli	0.00	0.00	378.65	100.00
	Sub-Total	2692.30	2.71	1683.27	1.69
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	523.20	2.45
	Karnataka	0.00	0.00	0.00	0.00
	Kerala	46.49	0.67	0.00	0.00
	Tamil Nadu	0.00	0.00	870.19	3.32
	Pondicherry	0.00	0.00	845.41	100.00
	Lakshadweep	0.00	0.00	14.05	100.00
	Sub-Total	46.49	0.07	2252.85	3.19
EASTERN REGION	Bihar	0.00	0.00	3947.48	37.03
	Orissa	0.00	0.00	4876.45	100.00
	West Bengal	0.00	0.00	1191.96	8.76
	A. & N. Islands	0.00	0.00	70.53	100.00
	Sikkim	0.00	0.00	85.92	100.00
	Sub-Total	0.00	0.00	10172.34	34.72
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	0.00	0.00	286.38	100.00
	Meghalaya	0.00	0.00	8.00	2.75
	Nagaland	0.00	0.00	128.69	100.00
	Tripura	0.00	0.00	270.00	100.00
	Arunachal Pradesh	0.00	0.00	85.65	100.00
	Mizoram	0.00	0.00	107.33	100.00
	Sub-Total	0.00	0.00	886.05	28.68
	Total (All India)	3483.79	1.24	16030.16	5.72

TABLE NO.54(Contd.)

ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1996-97

PRIVATE SECTOR (COMPANIES)			
Region	State/U.Ts.	(GWH)	% of Col. I
NORTHERN REGION	Haryana	0.00	0.00
	Himachal Pradesh	0.00	0.00
	Jammu & Kashmir	75.00	3.81
	Punjab	0.00	0.00
	Rajasthan	0.00	0.00
	Uttar Pradesh	242.05	0.91
	Chandigarh	0.00	0.00
	Delhi	0.00	0.00
	Sub-Total	317.05	0.41
WESTERN REGION	Gujarat	3836.26	14.01
	Madhya Pradesh	443.57	1.90
	Maharashtra	7218.51	15.33
	Goa	0.00	0.00
	Daman & Diu	0.00	0.00
	D. & N Haveli	0.00	0.00
	Sub-Total	11498.34	11.57
SOUTHERN REGION	Andhra Pradesh	509.40	2.39
	Karnataka	108.76	0.71
	Kerala	32.22	0.46
	Tamil Nadu	64.13	0.24
	Pondicherry	0.00	0.00
	Lakshadweep	0.00	0.00
	Sub-Total	714.51	1.01
EASTERN REGION	Bihar	49.37	0.46
	Orissa	0.00	0.00
	West Bengal	5431.14	39.93
	A. & N. Islands	0.00	0.00
	Sikkim	0.00	0.00
	Sub-Total	5480.51	18.71
NORTH EASTERN REGION	Assam	0.00	0.00
	Manipur	0.00	0.00
	Meghalaya	0.00	0.00
	Nagaland	0.00	0.00
	Tripura	0.00	0.00
	Arunachal Pradesh	0.00	0.00
	Mizoram	0.00	0.00
	Sub-Total	0.00	0.00
	Total (All India)	18010.41	6.43

TABLE NO.55 177
ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
CATEGORYWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1996-97

(GWH)

Region	State/U.Ts.	Total Energy Sold	Domesti	Commercia
NORTHERN REGION	Haryana	8710.54	1794.14	288.15
	Himachal Pradesh	1766.59	434.26	120.56
	Jammu & Kashmir	1970.11	514.04	307.22
	Punjab	17506.08	3082.36	633.59
	Rajasthan	13751.82	2171.05	750.89
	Uttar Pradesh	26588.20	6649.97	1908.00
	Chandigarh	625.93	196.55	143.98
	Delhi	6860.48	3088.48	1930.00
Sub-Total		77779.75	17930.85	6082.39
WESTERN REGION	Gujarat	27377.50	3215.56	1095.98
	Madhya Pradesh	23328.74	3893.18	691.99
	Maharashtra	47082.23	8323.30	3136.22
	Goa	957.16	246.00	68.67
	Daman & Diu	280.22	18.51	11.45
	D. & N Haveli	378.65	9.46	3.65
Sub-Total		99404.50	15706.04	5007.96
SOUTHERN REGION	Andhra Pradesh	21323.73	3922.08	805.01
	Karnataka	15223.64	2907.37	429.21
	Kerala	6985.51	3433.69	668.02
	Tamil Nadu	26245.32	4196.96	1789.93
	Pondicherry	845.41	126.52	43.85
	Lakshadweep	14.05	10.31	2.58
Sub-Total		70637.66	14596.93	3738.60
EASTERN REGION	Bihar \$	10659.24	876.65	352.56
	Orissa	4876.45	1352.83	309.79
	West Bengal \$	13602.94	3772.28	1716.82
	A. & N. Islands	70.53	29.29	18.71
	Sikkim	85.92	48.73	13.52
Sub-Total		29295.08	6079.78	2411.40
NORTH EASTERN REGION	Assam	1920.59	464.58	160.94
	Manipur	286.38	131.73	18.62
	Meghalaya	290.55	93.41	42.79
	Nagaland	128.69	69.50	10.70
	Tripura	270.00	64.51	32.25
	Arunachal Pradesh (E)	85.65	48.00	5.90
	Mizoram	107.33	81.21	7.83
Sub-Total		3089.19	952.94	279.03
Total (All India)		280206.18	55266.54	17519.38

Note: \$- Includes DVC's sales to ultimate consumers in Bihar & West Bengal areas.
(E)- Estimated due to non furnishing of information by the Deptt.

TABLE NO.55(Contd.)

(GWH)

Region	State/U.Ts.	Industrial Power(Low & Medium Voltag	Industrial Power (Hig Voltage)	Public Lighting	Traction
NORTHER REGION	Haryana	560.49	1386.75	35.98	0.00
	Himachal Pradesh	911.70	(A)	6.32	0.00
	Jammu & Kashmir	118.46	139.14	62.43	0.00
	Punjab	1581.68	5160.67	44.26	0.00
	Rajasthan	1258.79	3673.55	77.25	182.22
	Uttar Pradesh	1602.47	4817.66	341.80	846.00
	Chandigarh	79.36	120.46	15.47	0.00
	Delhi	854.00	460.00	192.00	65.00
	Sub-Total	6966.95	15758.23	775.51	1093.22
WESTERN REGION	Gujarat	3723.58	8268.49	123.67	344.00
	Madhya Pradesh	845.72	7281.24	133.38	1155.55
	Maharashtra	2644.28	15505.41	455.20	1452.59
	Goa	36.95	546.86	11.95	0.00
	Daman & Diu	41.55	200.74	2.16	0.00
	D. & N Haveli	13.94	349.59	0.30	0.00
	Sub-Total	7306.02	32152.33	726.66	2952.14
SOUTHER REGION	Andhra Pradesh	1321.69	5482.49	217.06	687.00
	Karnataka	984.36	3568.09	159.54	28.40
	Kerala	497.00	1753.80	110.39	0.00
	Tamil Nadu	2630.38	8867.19	222.25	356.00
	Pondicherry	48.71	510.83	9.36	0.00
	Lakshadweep	0.37	0.00	0.79	0.00
	Sub-Total	5482.51	20182.40	719.39	1071.40
EASTERN REGION	Bihar \$	273.79	6951.88	40.24	638.83
	Orissa	256.91	2179.74	28.22	184.25
	West Bengal \$	948.14	4652.95	107.50	654.37
	A. & N. Islands	5.83	0.00	5.82	0.00
	Sikkim	9.45	0.00	14.22	0.00
	Sub-Total	1494.12	13784.57	196.00	1477.45
NORTH EASTERN REGION	Assam	213.82	624.37	10.76	0.00
	Manipur	31.50	24.34	10.02	0.00
	Meghalaya	24.91	35.64	3.28	0.00
	Nagaland	8.50	12.71	2.78	0.00
	Tripura	54.96	0.00	13.44	0.00
	Arunachal Pradesh	6.00	0.00	7.40	0.00
	Mizoram	0.77	0.00	8.13	0.00
	Sub-Total	340.46	697.06	55.81	0.00
	Total (All India)	21590.06	82574.59	2473.37	6594.21

Note:-\$- Includes DVC's sales to ultimate consumers in Bihar & West Bengal areas.

(A) Included in Industrial (Low & Medium Voltage).

(B) Includes 135.29GWH sales to NFF by BBMB.

TABLE NO.55 (Contd.) 179
ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1996-97 (GWH)

Region	State/U. Ts.	Agriculture	Public Wat Works & Se Pumping	Miscella- neous
NORTHERN REGION	Haryana	4089.13	198.47	357.43
	Himachal Pradesh	11.38	149.33	133.04
	Jammu & Kashmir	336.29	269.34	223.19
	Punjab	6348.00	158.09	497.43
	Rajasthan	4737.37	559.90	340.80
	Uttar Pradesh	9846.00	561.00	15.30
	Chandigarh	3.92	(A)	66.19
	Delhi	48.00	223.00	0.00
	Sub-Total	25420.09	2119.13	1633.38
WESTERN REGION	Gujarat	10086.78	398.93	120.51
	Madhya Pradesh	8875.20	433.19	19.29
	Maharashtra	14136.67	1220.09	208.47
	Goa	10.43	31.24	5.03
	Daman & Diu	1.22	0.78	3.81
	D. & N Haveli	0.50	0.34	0.87
		Sub-Total	33110.80	2084.57
SOUTHERN REGION	Andhra Pradesh	8210.44	(A)	677.96
	Karnataka	6957.07	167.47	22.13
	Kerala	329.08	161.47	32.06
	Tamil Nadu	6936.12	358.11	888.38
	Pondicherry	94.40	11.74	0.00
	Lakshadweep	0.00	0.00	0.00
	Sub-Total	22527.11	698.79	1620.53
EASTERN REGION	Bihar \$	1331.15	156.83	37.31
	Orissa	159.21	101.63	303.87
	West Bengal \$	1372.73	284.66	93.49
	A. & N. Islands	0.00	0.75	10.13
	Sikkim	0.00	0.00	0.00
	Sub-Total	2863.09	543.87	444.80
NORTH EASTERN REGION	Assam	45.58	35.14	365.40
	Manipur	7.16	11.46	51.55
	Meghalaya	1.42	21.96	67.14
	Nagaland	0.70	2.40	21.40
	Tripura	43.00	45.70	16.14
	Arunachal Pradesh	0.00	0.85	17.50
	Mizoram	0.00	5.30	4.09
	Sub-Total	97.86	122.81	543.22
	Total (All India)	84018.95	5569.17	4599.91

TABLE NO.56

**ENERGY SALES BY STATE ELECTRICITY BOARDS
CATEGORYWISE DURING 1996-97**

(GWH)

Region	ELECTRICITY BOARD	Total Energy Sold to Ultimate Consumers	Domestic	Commercial
NORTHERN REGION	Haryana	8710.54	1794.14	288.15
	Himachal Pradesh	1757.61	426.77	120.55
	Jammu & Kashmir	1895.11	502.04	297.22
	Punjab	17325.79	3082.36	633.59
	Rajasthan	13670.00	2168.25	750.89
	Uttar Pradesh	26295.00	6555.00	1902.00
	Delhi	6028.00	2851.00	1335.00
	Sub-Total	75682.05	17379.56	5327.40
WESTERN REGION	Gujarat	23539.00	2260.00	631.00
	Madhya Pradesh	22820.17	3739.47	677.63
	Maharashtra	37171.42	4897.20	1129.05
	Sub-Total	83530.59	10896.67	2437.68
SOUTHERN REGION	Andhra Pradesh	20291.13	3801.00	795.00
	Karnataka	15114.88	2897.39	428.33
	Kerala	6906.80	3411.85	649.82
	Tamil Nadu	25311.00	4181.00	1783.00
	Sub-Total	67623.81	14291.24	3656.15
EASTERN REGION	Bihar (A)	6662.39	855.65	349.33
	West Bengal (A)	6979.84	1932.25	861.91
	Sub-Total	13642.23	2787.90	1211.24
NORTH REGION	Assam	1920.59	464.58	160.94
	Meghalaya	282.55	85.41	42.79
	Sub-Total	2203.14	549.99	203.73
	Total (All BOARDS)	242681.82	45905.36	12836.20

Note:-(A)- Excludes DVC's sales to ultimate consumers in Bihar & West Bengal.

(A)- Due to restructuring of Orissa State Electricity Board, the sale of energy has been taken under State Govt. undertakings in Table no.58

TABLE NO.56(CONTD.)

**ENERGY SALES BY STATE ELECTRICITY BOARDS
CATEGORYWISE/ REGIONWISE DURING 1996-97**

(GWH)

Region	ELECTRICITY BOARD	Industrial Power (Low & Medium Voltage)	Industrial Power (High)	Public Lighting
NORTHERN REGION	Haryana	560.49	1386.75	35.98
	Himachal Pradesh	910.62	(B)	6.16
	Jammu & Kashmir	108.46	139.14	53.43
	Punjab	1581.68	5025.38	44.26
	Rajasthan	1258.79	3594.53	77.25
	Uttar Pradesh	1582.00	4708.00	341.00
	Delhi	854.00	460.00	192.00
	Sub-Total	6856.04	15313.80	750.08
WESTERN REGION	Gujarat	2453.00	7364.00	97.00
	Madhya Pradesh	818.16	7281.24	129.58
	Maharashtra	1855.53	12855.95	323.10
	Sub-Total	5126.69	27501.19	549.68
SOUTHERN REGION	Andhra Pradesh	1193.76	5253.00	159.85
	Karnataka	981.66	3521.34	158.71
	Kerala	494.16	1734.65	103.20
	Tamil Nadu	2626.00	7991.00	220.00
	Sub-Total	5295.58	18499.99	641.76
EASTERN REGION	Bihar	267.29	3264.77	38.54
	West Bengal	591.09	1633.64	44.90
	Sub-Total	858.38	4898.41	83.44
NORTH REGION	Assam	213.82	624.37	10.76
	Meghalaya	24.91	35.64	3.28
	Sub-Total	451.99	660.01	14.04
	Total (All BOARDS)	18588.68	66873.40	2039.00

Note:-(B)-Included in Industrial Power(Low & Medium) voltage.

Contd.....

TABLE NO.56(Contd.)

**ENERGY SALES BY STATE ELECTRICITY BOARDS
CATEGORYWISE/REGIONWISE DURING 1996-97**

(GWH)

Region	Electricity Board	Traction	Agriculture	Public Water Works	Miscellaneous
NORTHERN REGION	Haryana	0.00	4089.13	198.47	357.43
	Himachal Pradesh	0.00	11.38	149.33	132.80
	Jammu & Kashmir	0.00	332.29	247.34	215.19
	Punjab	0.00	6348.00	158.09	452.43
	Rajasthan	182.22	4737.37	559.90	340.80
	Uttar Pradesh	846.00	9800.00	561.00	0.00
	Delhi	(D)65.00	48.00	223.00	0.00
	Sub-Total	1028.22	25366.17	2097.13	1498.65
WESTERN REGION	Gujarat	344.00	10070.00	320.00	0.00
	Madhya Pradesh	1155.55	8593.42	425.12	0.00
	Maharashtra	825.59	13867.37	1209.17	208.46
	Sub-Total	2325.14	32530.79	1954.29	208.46
SOUTHERN REGION	Andhra Pradesh	687.00	(F)7835.13	(C)	677.00
	Karnataka	28.40	6913.21	165.07	20.77
	Kerala	0.00	328.97	161.47	22.68
	Tamil Nadu	356.00	6910.00	357.00	887.00
	Sub-Total	1071.40	21987.31	683.54	1607.45
EASTERN REGION	Bihar	423.83	1306.15	156.83	0.00
	West Bengal	466.77	1365.86	83.42	20.85
	Sub-Total	890.60	2672.01	240.25	20.85
NORTH EASTERN REGION	Assam	0.00	45.58	35.14	365.40
	Meghalaya	0.00	1.42	21.96	67.14
	Sub-Total	0.00	47.00	57.10	432.54
	Total (All Boards)	5315.36	82555.28	5032.31	3767.95

NOTE:- (C) Included under industrial category.

(D) Estimated.

(F) Estimated by Andhra Pradesh SEB.

TABLE NO.57

**ENERGY SALES BY PRIVATE LICENSEES
CATEGORYWISE-REGIONWISE/STATEWISE DURING 1996-97**

(GWH)

Region	State/U.Ts.	Total energy sold to ultimate consumers	Domestic	Commercial
NORTHERN REGION	Jammu & Kashmir	75.00	12.00	10.00
	Uttar Pradesh	242.05	43.82	6.00
Sub-Total		317.05	55.82	16.00
WESTERN REGION	Gujarat	3836.26	953.32	464.98
	Madhya Pradesh	443.57	88.71	14.36
	Maharashtra	7218.51	2326.10	857.17
Sub-Total		11498.34	3368.13	1336.51
SOUTHERN REGION	Andhra Pradesh	509.40	89.37	10.01
	Karnataka	108.76	9.98	0.88
	Kerala	32.22	5.42	1.01
	Tamil Nadu	64.13	15.96	6.93
Sub-Total		714.51	120.73	18.83
EASTERN REGION	Bihar	49.37	8.00	3.17
	West Bengal	5431.14	1783.01	848.87
Sub-Total		5480.51	1791.01	852.04
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
Sub-Total		0.00	0.00	0.00
Total (All India)		18010.41	5335.69	2223.38

Contd.

TABLE NO.57 (contd.)

**ENERGY SALES BY PRIVATE LICENSEES
CATEGORYWISE-REGIONWISE/STATEWISE DURING 1996-97**

(GWH)

Region	State/U.Ts.	Industrial Power (Low & Medium Voltage)	Industrial Power (High Voltage)	Public lighting	Traction
NORTHERN REGION	Jammu & Kashmir	10.00	0.00	9.00	0.00
	Uttar Pradesh	20.47	109.66	0.80	0.00
	Sub-Total	30.47	109.66	9.80	0.00
WESTERN REGION	Gujarat	1270.58	904.49	26.67	0.00
	Madhya Pradesh	27.56	0.00	3.80	0.00
	Maharashtra	593.75	2484.46	50.10	627.00
	Sub-Total	1891.89	3388.95	80.57	627.00
SOUTHERN REGION	Andhra Pradesh	28.69	0.00	5.06	0.00
	Karnataka	2.70	46.75	0.83	0.00
	Kerala	0.00	16.29	0.12	0.00
	Tamil Nadu	4.38	6.00	2.25	0.00
	Sub-Total	35.77	69.04	8.26	0.00
EASTERN	Bihar	6.50	5.00	1.70	0.00
	West Bengal	351.20	2029.31	61.00	69.00
	Sub-Total	357.70	2034.31	62.70	69.00
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00	0.00
	Sub-Total	0.00	0.00	0.00	0.00
	Total (All India)	2315.83	5601.96	161.33	696.00

Contd.

TABLE NO.57 (contd.)

**ENERGY SALES BY PRIVATE LICENSEES
CATEGORYWISE-REGIONWISE/STATEWISE DURING 1996-97**

(GWH)

Region	State/U.Ts.	Agricultural	Public Water Works & Sewag Pumping	Miscellaneous
NORTHERN REGION	Jammu & Kashmir	4.00	22.00	8.00
	Uttar Pradesh	46.00	0.00	15.30
Sub-Total		50.00	22.00	23.30
WESTERN REGION	Gujarat	16.78	78.93	120.51
	Madhya Pradesh	281.78	8.07	19.29
	Maharashtra	269.30	10.62	0.01
Sub-Total		567.86	97.62	139.81
SOUTHERN REGION	Andhra Pradesh	375.31	0.00	0.96
	Karnataka	43.86	2.40	1.36
	Kerala	0.00	0.00	9.38
	Tamil Nadu	26.12	1.11	1.38
Sub-Total		445.29	3.51	13.08
EASTERN REGION	Bihar	25.00	0.00	0.00
	West Bengal	6.87	188.90	92.98
Sub-Total		31.87	188.90	92.98
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
Sub-Total		0.00	0.00	0.00
Total (All India)		1095.02	312.03	269.17

ENERGY SALES TO ULTIMATE CONSUMERS BY ELECTRICITY DEPARTMENTS,
CENTRAL SECTOR, CORPORATIONS/GOVT UNDERTAKINGS AND MUNICIPALITIES
CATEGORYWISE/REGIONWISE/STATEWISE DURING 1996-97. (GWH)

Region	State/U.Ts.	Total energy sold	Domestic	Commercial
I. MUNICIPALITIES				
NORTHERN REGION	N.D.M.C.	745.00	150.00	595.00
WESTERN REGION	Maharashtra	2692.3	1100.00	1150.00
SOUTHERN REGION	Kerala	46.49	16.42	17.19
Sub-Total		3483.79	1266.42	1762.19
II. GOVT DEPTT./CENTRAL SECTOR UNDERTAKINGS/CORPORATIONS				
NORTHERN REGION	Delhi (M.E.S.)	75.00	75.00	0.00
	Punjab (B.B.M.B.)	180.29	0.00	0.00
	H.P.(Bairasiuf)	6.00	6.00	0.00
	H.P.(Chamera)	2.98	1.49	0.01
	Rajasthan (R.A.P.S.+ANTA)	81.82	2.80	0.00
	Chandigarh	625.93	196.55	143.98
	Delhi (B.T.P.S.)	12.48	12.48	0.00
	U.P.(C Sector Projects)	51.15	51.15	0.00
WESTERN REGION	J.&K. (Salal)	0.00	0.00	0.00
	Goa	957.16	246.03	68.67
	Daman & Diu	280.22	18.51	11.45
	Dadra & Nagar Haveli	378.65	9.46	3.65
	M.P. (KSTPS+VSTPS)	65.00	65.00	0.00
SOUTHERN REGION	Gujarat (Kawas CCGT)	2.24	2.24	0.00
	Andhra Pradesh (T.B.Dam.			
	Hampi, Machkund+RSTPS+A P Gas Power Corpn.)	523.20	31.71	0.00
	Pondicherry	845.41	126.52	43.85
	Lakshadweep	14.05	10.31	2.58
	Tamil Nadu (Neyveli I&II+M.A.P.S.)	870.19	0.00	0.00
	EASTERN REGION	D.V.C. (in Bihar)	3928.98	0.00
Kahalgaon STPS		18.50	13.00	0.00
B.H.P.C		0.00	0.00	0.00
GRIDCO		4876.45	1352.83	309.79
D.V.C. (in West Bengal)		918.66	0.00	0.06
Kolaghat(WBPDCL)		4.06	4.06	0
West Bengal (D.P.L)		252.17	35.89	5.98
West Bengal(Farakka)		17.07	17.07	0.00
Andaman & Nicobar Islands		70.53	29.29	18.71
Sikkim		85.92	48.73	13.52
NORTH EASTERN REGION		Manipur	286.38	131.73
	Nagaland	128.69	69.50	10.70
	Tripura	270.00	64.51	32.25
	Arunachal Pradesh	85.65	48.00	5.90
	Mizoram	107.33	81.21	7.83
	Meghalaya (NEEPCO)	8.00	8.00	0.00
Sub-Total		16030.16	2759.07	697.61
Total (I&II)		19513.95	4025.49	2459.80

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ENERGY SALES TO ULTIMATE CONSUMERS BY ELECTRICITY DEPARTMENTS,
CENTRAL SECTOR, CORPORATIONS/GOVT. UNDERTAKINGS AND MUNICIPALITIES
CATEGORYWISE/REGIONWISE/STATEWISE DURING 1996-97 (GWH)

Region	State/U.Ts.	Industrial Power(L&V)	Industrial Power(H&V)	Public Lighting	Traction
I. MUNICIPALITIES					
NORTHERN REGION	N.D.M.C.	(B)	0.00	(B)	0.00
WESTERN REGION	Maharashtra	195.00	165.00	82.00	0.00
SOUTHERN REGION	Kerala	2.84	2.86	7.07	0.00
Sub-Total		197.84	167.86	89.07	0.00
II. GOVT. DEPTT./CENTRAL SECTOR UNDERTAKINGS/CORPORATIONS					
NORTHERN REGION	Delhi (M.E.S.)	0.00	0.00	0.00	0.00
	Punjab (B.B.M.B.)	0.00	135.29	0.00	0.00
	H.P.(Bairasiul)	0.00	0.00	0.00	0.00
	H.P.(Chamera)	1.08	0.00	0.16	0.00
	Rajasthan (R.A.P.S.+ANTA)	0.00	79.02	0.00	0.00
	Chandigarh	79.36	120.46	15.47	0.00
	Delhi (B.T.P.S.)	0.00	0.00	0.00	0.00
	U.P.(C.Sector Projects)	0.00	0.00	0.00	0.00
	J.&K. (Salal)	0.00	0.00	0.00	0.00
WESTERN REGION	Goa	36.95	546.86	11.95	0.00
	Daman & Diu	41.55	200.74	2.16	0.00
	Dadra & Nagar Haveli	13.94	349.59	0.30	0.00
	M.P. (KSTPS+VSTPS)	0.00	0.00	0.00	0.00
	Gujarat (Kawas CCGT)	0.00	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh (T.B.Dam.				
	Hampi, Machkund+RSTPS+A.P				
	Gas Power Corpn.)	0.00	491.49	0.00	0.00
	Pondicherry	48.71	510.83	9.36	0.00
	Lakshadweep	0.37	0.00	0.79	0.00
	Tamil Nadu (Neyveli I&II+M.A.P.S.)	0.00	870.19	0.00	0.00
EASTERN REGION	D.V.C. (in Bihar)	0.00	3682.11	0.00	215.00
	B.H.P.C	0.00	0.00	0.00	0.00
	Kahalgaon STPS	0.00	0.00	0.00	0.00
	GRIDCO	256.91	2179.74	28.22	184.25
	D.V.C. (in West Bengal)	0.00	800.00	0.00	118.60
	West Bengal (D.P.L)	5.85	190.00	1.60	0.00
	Kolaghat(WBPDCL)	0.00	0.00	0.00	0.00
	West Bengal(Farakka)	0.00	0.00	0.00	0.00
	Andaman & Nicobar Islands	5.83	0.00	5.82	0.00
	Sikkim	9.45	0.00	14.22	0.00
NORTH EASTERN REGION	Manipur	31.50	24.34	10.02	0.00
	Nagaland	8.50	12.71	2.78	0.00
	Tripura	54.96	0.00	13.44	0.00
	Arunachal Pradesh	6.00	(A)	7.40	0.00
	Mizoram	0.77	0.00	8.13	0.00
	Meghalaya (NEEPCO)	0.00	0.00	0.00	0.00
Sub-Total		601.73	10193.37	131.82	517.85
Total (I&II)		799.57	10361.23	220.89	517.85

(A) - Included in Industrial Power(Low & Medium voltage)

(B) - Included under commercial category

Contd.

ENERGY SALES TO ULTIMATE CONSUMERS BY ELECTRICITY DEPARTMENTS,
CENTRAL SECTOR, CORPORATIONS/GOVT. UNDERTAKINGS AND MUNICIPALITIE
CATEGORYWISE/REGIONWISE/STATEWISE DURING 1996-97. (GWH)

Region	State/U.Ts.	Agriculture	Public Water Works	Miscellaneous	
I. MUNICIPALITIES					
NORTHERN	N.D.M.C.	0.00	0.00	0.00	
WESTERN REGION	Maharashtra	0.00	0.30	0.00	
SOUTHERN REGION	Kerala	0.11	0.00	0.00	
Sub-Total		0.11	0.30	0.00	
II. GOVT. DEPTT./CENTRAL SECTOR UNDERTAKINGS/CORPORATIONS					
NORTHERN REGION	Delhi (M.E.S.)	0.00	0.00	0.00	
	Punjab (B.B.M.B.)	0.00	0.00	45.00	
	H.P.(Bairasiul)	0.00	0.00	0.00	
	H.P.(Chamera)	0.00	0.00	0.24	
	Rajasthan (R.A.P.S.+ANTA)	0.00	0.00	0.00	
	Chandigarh	3.92	(A)	66.19	
	Delhi (B.T.P.S.)	0.00	0.00	0.00	
WESTERN REGION	U.P.(C.Sector Projects)	0.00	0.00	0.00	
	J.&K. (Salal)	0.00	0.00	0.00	
	Goa	10.43	31.24	5.03	
	Daman & Diu	1.22	0.78	3.81	
	Dadra & Nagar Haveli	0.50	0.34	0.87	
	M.P. (KSTPS+VSTPS)	0.00	0.00	0.00	
	Gujarat (Kawas CCGT)	0.00	0.00	0.00	
SOUTHERN REGION	Andhra Pradesh (T.B.Dam, Hampi, Machkund+RSTPS+A.P. Gas Power Corpn.)	0.00	0.00	0.00	
	Pondicherry	94.40	11.74	0.00	
	Lakshadweep	0.00	0.00	0.00	
	Tamil Nadu (Neyveli I&II+ M.A.P.S.)	0.00	0.00	0.00	
	EASTERN REGION	D.V.C. (in Bihar)	0.00	0.00	31.81
		B.H.P.C	0.00	0.00	0.00
		Kahalgaon STPS	0.00	0.00	5.50
GRIDCO		159.21	101.63	303.87	
D.V.C. (in West Bengal)		0.00	0.00	0.00	
West Bengal (D.P.L)		0.00	12.34	0.51	
Kolaghat(WBPDCL)		0.00	0.00	0.00	
NORTH EASTERN REGION	West Bengal(Farakka)	0.00	0.00	0.00	
	Andaman & Nicobar Islands	0.00	0.75	10.13	
	Sikkim	0.00	0.00	0.00	
	Manipur	7.16	11.46	51.55	
	Nagaland	0.70	2.40	21.40	
	Tripura	43.00	45.70	16.14	
	Arunachal Pradesh	0.00	0.85	17.50	
Mizoram	0.00	5.30	4.09		
Meghalaya (NEEPCO)	0.00	0.00	0.00		
Sub-Total		320.54	224.53	583.64	
Total (I&II)		320.65	224.83	583.64	

Contd.

TABLE NO.59

PATTERN OF ENERGY SALES (CATEGORYWISE)
REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State/U. Ts.	Total Sales (GWH)	% age to Total Sales	
			Domestic	commercial
NORTHERN REGION	Haryana	8710.54	20.60	3.31
	Himachal Pradesh	1766.59	24.58	6.82
	Jammu & Kashmir	1970.11	26.09	15.60
	Punjab	17506.08	17.61	3.62
	Rajasthan	13751.82	15.79	5.46
	Uttar Pradesh	26588.20	25.01	7.18
	Chandigarh	625.93	31.40	23.00
	Delhi	6860.48	45.02	28.13
	Sub-Total	77779.75	23.05	7.82
WESTERN REGION	Gujarat	27377.50	11.75	4.00
	Madhya Pradesh	23328.74	16.69	2.97
	Maharashtra	47082.23	17.68	6.66
	Goa	957.16	25.70	7.18
	Daman & Diu	280.22	6.60	4.09
	D. & N Haveli	378.65	2.50	0.96
		Sub-Total	99404.50	15.80
SOUTHERN REGION	Andhra Pradesh	21323.73	18.39	3.78
	Karnataka	15223.64	19.09	2.82
	Kerala	6985.51	49.16	9.56
	Tamil Nadu	26245.32	15.99	6.82
	Pondicherry	845.41	14.96	5.19
	Lakshadweep	14.05	73.38	18.36
	Sub-Total	70637.66	20.66	5.29
EASTERN REGION	Bihar	10659.24	8.22	3.31
	Orissa	4876.45	27.74	6.35
	West Bengal	13602.94	27.73	12.62
	A. & N. Islands	70.53	41.53	26.53
	Sikkim	85.92	56.71	15.74
	Sub-Total	29295.08	20.76	8.23
NORTH EASTERN REGION	Assam	1920.59	24.19	8.38
	Manipur	286.38	46.00	6.50
	Meghalaya	290.55	32.14	14.73
	Nagaland	128.69	54.01	8.32
	Tripura	270.00	23.89	11.94
	Arunachal Pradesh	85.65	56.04	6.89
	Mizoram	107.33	75.66	7.30
	Sub-Total	3089.19	30.85	9.03
	Total (All India)	280206.18	19.72	6.25

For foot note please see table No.55.

Note: Categorywise total may not tally due to rounding off.

TABLE NO.59 (Contd.)
 PATTERN OF ENERGY SALES (CATEGORYWISE)
 REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State/U.Ts.	% age to Total Sales		
		Industrial Power	Public Lighting	Traction
NORTHERN REGION	Haryana	22.36	0.41	0.00
	Himachal Pradesh	51.61	0.36	0.00
	Jammu & Kashmir	13.07	3.17	0.00
	Punjab	38.52	0.25	0.00
	Rajasthan	35.86	0.56	1.33
	Uttar Pradesh	24.14	1.29	3.18
	Chandigarh	31.93	2.47	0.00
	Delhi	19.15	2.80	0.95
	Sub-Total	29.22	1.00	1.41
WESTERN REGION	Gujarat	43.80	0.45	1.26
	Madhya Pradesh	34.84	0.57	4.95
	Maharashtra	38.56	0.97	3.08
	Goa	60.99	1.25	0.00
	Daman & Diu	86.46	0.77	0.00
	D. & N Haveli	96.01	0.08	0.00
	Sub-Total	39.69	0.73	2.97
SOUTHERN REGION	Andhra Pradesh	31.91	1.02	3.22
	Karnataka	29.90	1.05	0.19
	Kerala	32.22	1.58	0.00
	Tamil Nadu	43.81	0.84	1.35
	Pondicherry	66.18	1.11	0.00
	Lakshadweep	2.64	5.62	0.00
Sub-Total	36.33	1.02	1.52	
EASTERN REGION	Bihar	67.79	0.38	5.99
	Orissa	49.98	0.58	3.78
	West Bengal	41.18	0.79	4.81
	A. & N. Islands	8.27	8.25	0.00
	Sikkim	11.00	16.55	0.00
Sub-Total	52.15	0.67	5.04	
NORTH EASTERN REGION	Assam	43.64	0.56	0.00
	Manipur	19.50	3.50	0.00
	Meghalaya	20.85	1.13	0.00
	Nagaland	16.48	2.16	0.00
	Tripura	20.36	4.98	0.00
	Arunachal Pradesh	7.01	8.64	0.00
	Mizoram	0.72	7.57	0.00
Sub-Total	33.58	1.81	0.00	
	Total (All India)	37.18	0.88	2.35

TABLE NO.59 (Contd.)
 PATTERN OF ENERGY SALES (CATEGORYWISE)
 REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State/U. Ts.	% age to Total Sales		
		Agriculture	Public Water Works	Miscellaneous
NORTHERN REGION	Haryana	46.94	2.28	4.10
	Himachal Pradesh	0.65	8.45	7.53
	Jammu & Kashmir	17.07	13.67	11.33
	Punjab	36.26	0.90	2.84
	Rajasthan	34.45	4.07	2.48
	Uttar Pradesh	37.03	2.11	0.06
	Chandigarh	0.63	0.00	10.57
	Delhi	0.70	3.25	0.00
	Sub-Total	32.68	2.72	2.10
WESTERN REGION	Gujarat	36.84	1.46	0.44
	Madhya Pradesh	38.04	1.86	0.08
	Maharashtra	30.02	2.59	0.44
	Goa	1.09	3.26	0.53
	Daman & Diu	0.44	0.28	1.36
	D. & N Haveli	0.13	0.09	0.23
		Sub-Total	33.31	2.10
SOUTHERN REGION	Andhra Pradesh	38.50	0.00	3.18
	Karnataka	45.70	1.10	0.15
	Kerala	4.71	2.31	0.46
	Tamil Nadu	26.43	1.37	3.39
	Pondicherry	11.17	1.39	0.00
	Lakshadweep	0.00	0.00	0.00
		Sub-Total	31.89	0.99
EASTERN REGION	Bihar	12.49	2.08	0.35
	Orissa	3.26	2.09	6.23
	West Bengal	10.09	1.06	0.69
	A. & N. Islands	0.00	1.06	14.36
	Sikkim	0.00	0.00	0.00
		Sub-Total	9.77	1.86
NORTH EASTERN REGION	Assam	2.37	1.83	19.03
	Manipur	2.50	4.00	18.00
	Meghalaya	0.49	7.56	23.11
	Nagaland	0.54	1.86	16.63
	Tripura	15.92	16.93	5.98
	Arunachal Pradesh	0.00	0.99	20.43
	Mizoram	0.00	4.94	3.81
	Sub-Total	3.17	3.98	17.58
	Total (All India)	29.99	1.99	1.64

TABLE NO.60

ANNUAL PERCAPITA CONSUMPTION OF ELECTRICITY (UTILITIES + NON-UTILITIE

		CATEGORYWISE/REGIONWISE/STATE			(KWH)
REGION	Name of the State/U.Ts.	Population	Domestic	Commercial	Industrial (LV&MV)
		(Million)			
NORTHERN REGION	Haryana	18.76	95.64	15.36	29.87
	Himachal Pradesh	6.09	71.31	19.80	149.70
	Jammu & Kashmir	9.06	56.74	33.91	13.07
	Punjab	22.56	136.63	28.08	70.11
	Rajasthan	50.31	43.15	14.92	25.02
	Uttar Pradesh	158.39	41.98	12.05	10.12
	Chandigarh	0.79	248.80	182.25	100.46
	Delhi	12.05	256.31	160.17	70.87
	Sub-Total	278.01	64.50	21.88	25.05
WESTERN REGION	Gujarat	45.93	70.01	23.86	81.07
	Madhya Pradesh	74.98	51.92	9.23	11.28
	Maharashtra	87.34	95.30	35.91	30.27
	Goa	1.42	173.26	48.36	26.02
	Daman & Diu	0.12	154.25	95.42	346.25
	D. & N. Haveli	0.17	55.65	21.47	82.00
	Sub-Total	209.96	74.80	23.85	34.80
SOUTHERN REGION	Andhra Pradesh	72.62	54.01	11.09	18.20
	Karnataka	49.76	58.43	8.63	19.78
	Kerala	31.19	110.09	21.42	15.93
	Tamil Nadu	59.83	70.15	29.92	43.96
	Pondicherry	0.99	127.80	44.29	49.20
	Lakshadweep	0.06	171.83	43.00	6.17
	Sub-Total	214.45	68.07	17.43	25.57
EASTERN REGION	Bihar	93.99	9.33	3.75	2.91
	Orissa	34.67	39.02	8.94	7.41
	West Bengal	75.28	50.11	22.81	12.59
	A. & N. Islands	0.34	86.15	55.03	17.15
	Sikkim	0.50	97.46	27.04	18.90
	Sub-Total	204.78	29.69	11.78	7.30
NORTH EASTERN REGION	Assam	24.97	18.61	6.45	8.56
	Manipur	2.24	58.81	8.31	14.06
	Meghalaya	2.16	43.24	19.81	11.53
	Nagaland	1.49	46.65	7.18	5.70
	Tripura	3.36	19.20	9.60	16.36
	Arunachal Pradesh	1.06	45.28	5.57	5.66
	Mizoram	0.84	96.68	9.32	0.91
	Sub-Total	36.12	26.38	7.73	9.42
	Total (All India)	943.32	58.59	18.57	22.89

* Estimated population as on 1st October, 1997, obtained from the office of the Registrar General of India

TABLE NO.60 (Contd.)

ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY (UTILITIES+NON-UTILITIE
CATEGORYWISE/REGIONWISE/STATEWISE DURING 1996-97
(KWH)

Region	Name of the State/U.Ts.				
		Industrial (H.V.)	Public Lighting	Traction	Agriculture
NORTHERN REGION	Haryana	73.92	1.92	0.00	217.97
	Himachal Pradesh	0.00	1.04	0.00	1.87
	Jammu & Kashmir	15.36	6.89	0.00	37.12
	Punjab	228.76	1.96	0.00	281.38
	Rajasthan	73.02	1.54	3.62	94.16
	Uttar Pradesh	30.42	2.16	5.34	62.16
	Chandigarh	152.48	19.58	0.00	4.96
	Delhi	38.17	15.93	5.40	3.98
	Sub-Total	56.68	2.79	3.93	91.44
WESTERN REGION	Gujarat	180.03	2.69	7.49	219.61
	Madhya Pradesh	97.11	1.78	15.41	118.37
	Maharashtra	177.53	5.21	16.63	161.86
	Goa	385.11	8.42	0.00	7.35
	Daman & Diu	1672.83	18.00	0.00	10.17
	D.& N.Haveli	2056.11	1.76	0.00	2.94
	Sub-Total	153.14	3.46	14.06	157.70
SOUTHERN REGION	Andhra Pradesh	75.49	2.99	9.46	113.06
	Karnataka	71.71	3.21	0.57	139.81
	Kerala	56.23	3.54	0.00	10.55
	Tamil Nadu	148.20	3.71	5.95	115.93
	Pondicherry	515.99	9.46	0.00	95.35
	Lakshadweep	0.00	13.17	0.00	0.00
	Sub-Total	94.11	3.35	5.00	105.05
EASTERN REGION	Bihar	73.96	0.43	6.80	14.16
	Orissa	62.87	0.81	5.31	4.59
	West Bengal	61.81	1.43	8.69	18.24
	A.& N.Islands	0.00	17.12	0.00	0.00
	Sikkim	0.00	28.44	0.00	0.00
	Sub-Total	67.31	0.96	7.21	13.98
NORTH EASTERN REGION	Assam	25.00	0.43	0.00	1.83
	Manipur	10.87	4.47	0.00	3.20
	Meghalaya	16.50	1.52	0.00	0.66
	Nagaland	8.53	1.87	0.00	0.47
	Tripura	0.00	4.00	0.00	12.80
	Arunachal Pradesh	0.00	6.98	0.00	0.00
	Mizoram	0.00	9.68	0.00	0.00
	Sub-Total	19.30	1.55	0.00	2.71
	Total (All India)	87.53	2.62	6.99	89.07

TABLE NO.60 (Contd.)

ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY (UTILITIES+ CATEGORYWISE/REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State/U. Ts.		
		Public Water Works & Sewage Pumping	Miscellaneous
NORTHERN REGION	Haryana	10.58	19.05
	Himachal Pradesh	24.52	21.84
	Jammu & Kashmir	29.73	24.63
	Punjab	7.01	22.05
	Rajasthan	11.13	6.78
	Uttar Pradesh	3.54	0.10
	0.66 Chandigarh	0.00	83.79
	9.61 Delhi	18.50	0.00
	Sub-Total	7.62	5.88
WESTERN REGION	Gujarat	8.69	2.62
	Madhya Pradesh	5.78	0.25
	Maharashtra	13.97	2.39
	Goa	22.00	3.54
	Daman & Diu	6.50	31.75
	1.21 D. & N. Haveli	2.00	5.12
	Sub-Total	9.93	1.70
SOUTHERN REGION	Andhra Pradesh	0.00	9.33
	Karnataka	3.36	0.44
	Kerala	5.18	1.03
	Tamil Nadu	5.99	14.85
	0.83 Pondicherry	11.86	0.00
0.83 Lakshadweep	0.00	0.00	
	Sub-Total	3.26	7.55
EASTERN REGION	Bihar	1.67	0.40
	Orissa	2.93	8.77
	West Bengal	3.78	1.24
	A. & N. Islands	2.20	29.79
	Sikkim	0.00	0.00
	Sub-Total	2.66	2.17
NORTH EASTERN REGION	Assam	1.41	14.63
	Manipur	5.12	23.01
	Meghalaya	10.17	31.08
	Nagaland	1.61	14.36
	Tripura	13.60	4.80
	Arunachal Pradesh	0.80	16.51
	Mizoram	6.31	4.87
	Sub-Total	3.40	15.04
	Total (All India)	5.90	4.88

TABLE NO.60(Contd.)

O ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY (UTILITIES+NON-UTILITY)
CATEGORYWISE/REGIONWISE/STATEWISE DURING 1996-97

(KWH)

Region	Name of the State/U. Ts.	Total Utilities	KWH from Self Generation of non-Utilities	Total (Utilities & Non-Utilities)
NORTHERN REGION	Haryana	464.31	39.47	503.78
	Himachal Pradesh	290.08	15.76	305.84
	Jammu & Kashmir	217.45	0.14	217.59
	Punjab	775.98	16.41	792.39
	Rajasthan	273.34	27.89	301.23
	Uttar Pradesh	167.87	28.69	196.56
	Chandigarh	792.32	2.75	795.07
	Delhi	569.33	7.67	577.00
	Sub-Total	279.77	26.08	305.85
WESTERN REGION	Gujarat	596.07	98.28	694.35
	Madhya Pradesh	311.13	55.82	366.95
	Maharashtra	539.07	16.96	556.03
	Goa	674.06	50.33	724.39
	Daman & Diu	2335.17	0.00	2335.17
	D. & N. Haveli	2227.05	152.12	2379.17
	Sub-Total	473.44	48.95	522.39
SOUTHERN REGION	Andhra Pradesh	293.63	52.07	345.70
	Karnataka	305.94	34.20	340.14
	Kerala	223.97	16.77	240.74
	Tamil Nadu	438.66	29.32	467.98
	Pondicherry	853.95	12.73	866.68
	Lakshadweep	234.17	0.00	234.17
	Sub-Total	329.39	36.25	365.64
EASTERN REGION	Bihar	113.41	24.28	137.69
	Orissa	140.65	168.25	308.90
	West Bengal	180.70	13.65	194.35
	A. & N. Islands	207.44	2.68	210.12
	Sikkim	171.84	0.00	171.84
	Sub-Total	143.06	44.65	187.71
NORTH EASTERN REGION	Assam	76.92	26.63	103.55
	Manipur	127.85	0.00	127.85
	Meghalaya	134.51	0.00	134.51
	Nagaland	86.37	1.54	87.91
	Tripura	80.36	0.00	80.36
	Arunachal Pradesh	80.80	0.00	80.80
	Mizoram	127.77	0.00	127.77
	Sub-Total	85.53	18.47	104.00
	Total (All India)	297.04	37.22	334.26

TABLE NO.61
ENERGY CONSUMPTION PER SQUARE KILOMETER AND PER THOUSAND
POPULATION (UTILITIES ONLY) REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State /U.T.s	population (Million) @	Area in 1000 Sq. Kms. \$	Total Energy Sold (GWH)
NORTHERN REGION	Haryana	18.76	44.21	8710.54
	Himachal Pradesh	6.09	55.67	1766.59
	Jammu & Kashmir	9.06	222.24	1970.11
	Punjab	22.56	50.36	17506.08
	Rajasthan	50.31	342.24	13751.82
	Uttar Pradesh	158.39	294.41	26588.20
	Chandigarh	0.79	0.11	625.93
	Delhi	12.05	1.48	6860.48
	Sub-Total	278.01	1010.72	77779.75
WESTERN REGION	Gujarat	45.93	196.02	27377.50
	Madhya Pradesh	74.98	443.45	23328.74
	Maharashtra	87.34	307.71	47082.23
	Goa	1.42	3.70	957.16
	Daman & Diu	0.12	0.11	280.22
	D. & N Haveli	0.17	0.49	378.65
		Sub-Total	209.96	951.48
SOUTHERN REGION	Andhra Pradesh	72.62	275.05	21323.73
	Karnataka	49.76	191.79	15223.64
	Kerala	31.19	38.86	6985.51
	Tamil Nadu	59.83	130.06	26245.32
	Pondicherry	0.99	0.49	845.41
	Lakshadweep	0.06	0.03	14.05
	Sub-Total	214.45	636.28	70637.66
EASTERN REGION	Bihar	93.99	173.88	10659.24
	Orissa	34.67	155.71	4876.45
	West Bengal	75.28	88.75	13602.94
	A & N. Islands	0.34	8.25	70.53
	Sikkim	0.50	7.10	85.92
	Sub-Total	204.78	433.69	29295.08
NORTH EASTERN REGION	Assam	24.97	78.44	1920.59
	Manipur	2.24	22.33	286.38
	Meghalaya	2.16	22.43	290.55
	Nagaland	1.49	16.58	128.69
	Tripura	3.36	10.49	270.00
	Arunachal Pradesh	1.06	83.74	85.65
	Mizoram	0.84	21.08	107.33
		Sub-Total	36.12	255.09
	Total (All India)	943.32	3287.26	280206.18

Note.-\$- Source for area figures is "Statistical Abstract India 1997

published by the Central Statistical Organisation.

A- Includes consumption by ultimate consumers of DVC in Bihar and West Bengal respectively.

@- Source:- Office of the Registrar General of India.

TABLE NO.61
ENERGY CONSUMPTION PER SQUARE KILOMETER AND PER THOUSAND
POPULATION (UTILITIES ONLY) REGIONWISE/STATEWISE DURING 1996-97

Region	Name of the State /U.T.s	Energy Consum per thousand of population(kwh)	Energy Consumed per Sq. Kms. (kwh)
NORTHERN REGION	Haryana	464314	197026
	Himachal Pradesh	290080	31733
	Jammu & Kashmir	217451	8865
	Punjab	775979	347619
	Rajasthan	273342	40182
	Uttar Pradesh	167865	90310
	Chandigarh	792316	5690273
	Delhi	569334	4635459
	Sub-Total	279773	76955
WESTERN REGION	Gujarat	596070	139667
	Madhya Pradesh	311133	52607
	Maharashtra	539068	120800
	Goa	674056	258692
	Daman & Diu	2335167	2335167
	D. & N Haveli	2227353	772755
		Sub-Total	473445
SOUTHERN REGION	Andhra Pradesh	293634	77527
	Karnataka	305941	79377
	Kerala	223966	179761
	Tamil Nadu	438665	201794
	Pondicherry	853949	1725327
	Lakshadweep	234167	468333
		Sub-Total	329390
EASTERN REGION	Bihar	113408	60302
	Orissa	140653	31318
	West Bengal	180698	153273
	A. & N. Islands	207441	8549
	Sikkim	171840	12101
		Sub-Total	143056
NORTH EASTERN REGION	Assam	76916	24485
	Manipur	127848	12825
	Meghalaya	134514	12954
	Nagaland	86369	7762
	Tripura	80357	25739
	Arunachal Pradesh	80802	1023
	Mizoram	127774	5092
		Sub-Total	85526
	Total (All India)	297043	85240

TABLE No.62

ELECTRICAL ACCIDENTS DURING 1996-97

State/U.Ts./ Central Undertakings	TOTAL		POWER HOUSES & SUB-STATIONS			
	Fatal	Non-Fatal	Electric Supply Undertaking		Industrial Undertaking	
			Fatal	Non-Fatal	Fatal	Non-Fatal
Andhra Pradesh	53	96	12	19	0	0
Assam	52+38 a	22	0	0	0	0
Bihar	2	10	0	1	0	0
Goa	18+9 a	18	0	0	0	0
Gujarat	185+482 a	285	0	0	0	0
Haryana	94+424 a	127	94+424 a	127	0	0
Himachal Pradesh	21+11 a	65	0	0	0	0
Jammu & Kashmir	NF	NF	0	NF	NF	NF
Karnataka	219+278 a	327	0	0	0	0
Kerala	87+38 a	98	0	4	0	0
Madhya Pradesh	402+411 a	265	0	1	0	0
Maharashtra	704+610 a	489+5 a	12	18	1	0
Manipur	4+25 a	5	1+6 a	0	0	0
Meghalaya	12+32 a	5+3 a	1	0	0	0
Nagaland	3+1 a	0	0	0	0	0
Orissa	46+12 a	23	0	0	0	0
Punjab	71+79 a	85	0	4	0	0
Rajasthan	79+9 a	163	14	38	0	0
Sikkim	5	6	NF	1	NF	NF
Tamil Nadu	33+290 a	349	2	8	8 a	28
Tripura	5+12 a	2	5+12 a	2	0	0
UP	NF	NF	NF	NF	NF	NF
West Bengal	NF	NF	NF	NF	NF	NF
Arunachal Pradesh	NF	NF	NF	NF	NF	NF
Delhi	NF	NF	NF	NF	NF	NF
Mizoram	NF	NF	NF	NF	NF	NF
Mines	5	4	0	0	0	0
CGI						
Installations(D)	NF	NF	NF	NF	NF	NF
Railways	10	13	0	0	0	0
UNION TERRITORIES						
A. & N. Islands	3+6 a	2	0	0	0	0
Chandigarh	0	5	0	0	0	0
D. & N. Haveli	3 a	0	0	0	0	0
Daman & Diu	1 a	0	0	0	0	0
Lakshadweep	NF	NF	NF	NF	NF	NF
Pondicherry	8+2 a	3	0	0	0	NF
Total (All India)	2122+2773 a	2467+8 a	141+442 a	223	1+8a	28

1. (a) Accidents involving animals.

2. NF- Not Furnished by SEB's.

Contd.

TABLE No.62 (Contd.)

ELECTRICAL ACCIDENTS DURING 1996-97

State/U. Ts./ Central Undertakings	TRANSMISSION LINES			
	Electric Supply Undertaking		Industrial Undertaking	
	Fatal	Non- Fatal	Fatal	Non- Fatal
Andhra Pradesh	2	1	0	0
Assam	0	0	0	0
Bihar	0	1	0	0
Goa	0	0	0	0
Gujarat	0	0	0	0
Haryana	0	0	0	0
Himachal Pradesh	0	0	0	0
Jammu & Kashmir	0	0	0	0
Karnataka	0	0	0	0
Kerala	29	41	0	0
Madhya Pradesh	5	0	0	0
Maharashtra	48+28 a	58+4 a	1	2
Manipur	1+7 a	5	0	0
Meghalaya	6+29 a	2+3 a	0	0
Nagaland	2+1 a	0	0	0
Orissa	0	0	46+12 a	23
Punjab	0	2	0	0
Rajasthan	34+4 a	60	NF	NF
Sikkim	4	NF	NF	NF
Tamil Nadu	31	153	282 a	160
Tripura	0	0	0	0
Uttar Pradesh	0	0	0	0
West Bengal	0	0	0	0
Arunachal Pradesh	NF	NF	NF	NF
Delhi	NF	NF	NF	NF
Mizoram	NF	NF	NF	NF
Mines	0	0	0	0
Central Govt. Installations(D)	NF	NF	NF	NF
Railways	0	0	0	1
NION TERRITORIES				
A. & N. Islands	0	1	0	0
Chandigarh	0	0	0	0
D. & N. Haveli	1 a	0	0	0
Daman & Diu	0	0	0	0
Lakshadweep	NF	NF	NF	NF
Pondicherry	2	3	0	
Total (All India)	164+70 a	327+7 a	47+294 a	186

1. (a) Accidents involving animals.
2. NF- Not Furnished by SEB's.

TABLE No.62 (Contd.)

ELECTRICAL ACCIDENTS DURING 1996-97

State/U.Ts./ Central Undertakings	DISTRIBUTION LINES			
	Electricity Supply Undertaking		Industrial Undertaking	
	Fatal	Non- Fatal	Fatal	Non- Fatal
Andhra Pradesh	39	76	0	0
Assam	52+38 a	22	0	0
Bihar	2	8	0	0
Goa	18+9 a	18	0	0
Gujarat	0	0	185+482 a	285
Haryana	NA	NF	NF	NF
Himachal Pradesh	21+11 a	65	0	0
Jammu & Kashmir	0	0	0	0
Karnataka	219+278 a	327	0	0
Kerala	58+38 a	53	0	0
Madhya Pradesh	397+411 a	264	0	0
Maharashtra	473+526 a	300+1 a	170+56 a	111
Manipur	2+12 a	0	0	0
Meghalaya	5+3 a	3	0	0
Nagaland	1	0	0	0
Orissa	0	0	0	0
Punjab	71+79 a	79	0	0
Rajasthan	31+5 a	65	0	0
Sikkim	1	5	NF	NF
Tamil Nadu	0	0	0	0
Tripura	0	0	0	0
Uttar Pradesh	0	0	0	0
West Bengal	0	0	0	0
Arunachal Pradesh	NF	NF	NF	NF
Delhi	NF	NF	NF	NF
Mizoram	NF	NF	NF	NF
Mines	0	0	5	4
Central Govt. Installations	NF	NF	NF	NF
Railways	0	0	10	12
NION TERRITORIES				
A. & N. Islands	0	0	3+6 a	1
Chandigarh	0	0	0	5
D. & N. Haveli	0	0	2 a	0
Daman & Diu	1 a	0	0	0
Lakshadweep	NF	NF	NF	NF
Pondicherry	6+2a	0	0	0
Total (All India)	1396+1413a	1285+1a	373+546a	418

1. (a) Accidents involving animals.
2. NF- Not Furnished by SEB's.

CONSUMER & CONNECTED LOAD

SECTION -IX

CONSUMERS AND CONNECTED LOAD

During the year under review 3.92 million additional electricity connections were given to different categories of consumers bringing the total number of consumers to 94.94 million as on 31st March, 1997 recording an increase of 4.31% over the previous year. The corresponding connected load of all categories of consumers rose to 187049.54 MW as compared to 175340.48 MW as on 31.3.1996 registering an increase of 6.68% over the previous year.

Domestic category continued to have the maximum number of consumers benefitted from electricity followed by agricultural and commercial categories. However, the industrial consumers had the maximum connected load of 59919 MW followed by domestic and agricultural sectors having connected load of 59155 MW and 45018 MW respectively.

The all India average electricity consumption per consumer is 2952 kwh only. The highest being in the Traction category 27823.67 kwh followed by Industrial H.V. 1703.83 kwh. It is lowest in the Domestic sector being 790 kwh only.

The all India average connected load per consumer works out to 1.97 kw only. The highest connected load per consumer is in Traction category 9744.77 kw followed by Industrial H.V. 695.09 kw. It is lowest in case of Domestic category 0.85 kw .

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

**CLASSIFICATION OF CONSUMERS AND CONNECTED LOAD (UTILITIES)
REGIONWISE/STATEWISE AS ON 31.3.1997.**

Region	State/U. Ts.	Total		Domestic	
		Connected load(KW)	Consumers	Connected load(KW)	Consumers
NORTHERN REGION	Haryana	6625115	3285244	1816698	2510677
	Himachal Pradesh	1827938	1231101	944043	1075722
	Jammu & Kashmir (E)	718942	678801	190973	578708
	Punjab	11368867	4669738	3737210	3284123
	Rajasthan	9258606	4612902	2032647	3363800
	Uttar Pradesh	13987924	6478685	4868925	4964723
	Chandigarh	560897	164315	324453	143069
	Delhi (E)	4074125	2171501	1742039	1713474
	Sub-Total		48422414	23292287	15656988
WESTERN REGION	Gujarat	16019295	7639672	3947795	5861472
	Madhya Pradesh	10429453	7959044	1788005	5869687
	Maharashtra	27301474	13134904	7370601	9244587
	Goa (S)	8733033	333805	8417588	274546
	D. & N Haveli	115115	27929	8347	14572
	Daman & Diu	187160	33325	27242	26290
Sub-Total		62785530	29128679	21559578	21291154
SOUTHERN REGION	Andhra Pradesh	17251474	9869874	4049270	7048280
	Karnataka	11568329	7539138	3946754	5434486
	Kerala	6106724	4970489	2761013	3763297
	Tamil Nadu	19668929	11190485	5651195	7996341
	Pondicherry	422650	179214	88119	140533
Sub-Total		55018106	33749200	16496351	24382937
EASTERN REGION	Bihar	5741606	1973629	1193268	1311992
	Orissa	2977775	1233539	1210766	1012316
	West Bengal (*)	7952079	4059110	1911578	3184820
	D.V.C.	1122030	71	0	0
	Sikkim	42450	48800	16800	41626
Sub-Total		17835940	7315149	4332412	5550754
NORTH EASTERN REGION	Assam	1698257	713314	501646	449793
	Manipur	124841	134917	77081	125745
	Meghalaya	225978	111291	126400	96796
	Nagaland (A)	536370	123464	163810	101660
	Tripura	178355	138832	81814	112615
	Arunachal Pradesh (A)	53170	77853	31500	62436
	Mizoram	91826	80230	74230	76873
Sub-Total		2908797	1379901	1056481	1025918
	Lakshadweep	14369	15595	9644	12304
	A. & N. Islands	64379	55749	43318	44809
	Total (All India)	187049535	94936560	59154772	69942172

(*) - Connected load for all the categories has been estimated & figures for Public lighting & Traction has been repeated for 1994-95 for SEB only due to non furnishing of information by the Deptt.

(E) - Estimated based on information received for 16th E.P.S. due to non furnishing of information by the Deptt.

Table No.63 203
CLASSIFICATION OF CONSUMERS AND CONNECTED LOAD (UTILITIES)
REGIONWISE/STATEWISE AS ON 31.3.1997.

Region	State/U.Ts.	COMMERCIAL		INDUSTRIAL(LV&M)	
		Connected load(KW)	Consumers	Connected load(KW)	Consumers
NORTHERN REGION	Haryana	293247	321288	1017024	74771
	Himachal Pradesh	256022	125584	461608	23261
	Jammu & Kashmir	56798	78886	94615	7000
	Punjab	875009	526622	1603501	105566
	Rajasthan	644845	565488	1499323	121801
	Uttar Pradesh	1384271	659052	2172469	187596
	Chandigarh	142714	18188	36433	2049
	Delhi	880756	357957	683012	71374
	Sub-Total	4533662	2653065	7567985	593418
WESTERN REGION	Gujarat	1022981	964420	3420613	266455
	Madhya Pradesh	563287	626957	1081689	102330
	Maharashtra	2784796	1376483	3428849	318096
	Goa	73254	41414	91787	7261
	D. & N Haveli	3929	2642	21989	736
	Daman & Diu	7992	4214	41460	1125
	Sub-Total	4456239	3016130	8086387	696003
SOUTHERN REGION	Andhra Pradesh	718104	733752	2056326	137736
	Karnataka	328189	701895	1807935	289381
	Kerala	569111	798801	1221513	87183
	Tamil Nadu	1437131	1236386	3034182	333068
	Pondicherry	35491	23659	60918	3992
	Sub-Total	3088026	3494493	8180874	851360
EASTERN REGION	Bihar	1287000	292577	1386224	82546
	Orissa	138990	139539	351768	21732
	West Bengal	737361	642439	403252	129487
	D.V.C.	30	5	0	0
	Sikkim	8400	6736	9000	238
	Sub-Total	2171781	1081296	2150244	234003
NORTH EASTERN REGION	Assam	155569	90244	127890	6927
	Manipur	9448	6663	9175	1620
	Meghalaya	27000	11552	10760	739
	Nagaland	240330	18780	45610	1520
	Tripura	20413	20340	42831	4249
	Arunachal Pradesh	2100	6020	4600	195
	Mizoram	7911	3238	690	38
	Sub-Total	462771	156837	241556	15288
	Lakshadweep	2872	2317	1632	190
	A. & N. Islands	12897	9762	3198	422
	Total (All India)	14728248	10413900	26231876	2390684

(A) - Data estimated.

(S) - The figures of Connected Load have been repeated due to non furnishing of information by the Deptt.

**CLASSIFICATION OF CONSUMERS AND CONNECTED LOAD (UTILITIES)
REGIONWISE/STATEWISE AS ON 31.3.1997.**

Region	State/U.Ts.	INDUSTRIAL(H.V.)		PUBLIC LIGHTING	
		Connected load(KW)	Consumers	Connected load(KW)	Consumers
NORTHERN REGION	Haryana	1242521	2651	9212	4287
	Himachal Pradesh	(C)	(C)	1732	370
	Jammu & Kashmir	42000	100	22000	150
	Punjab	2352527	4239	12724	1194
	Rajasthan	1767511	1657	35325	5504
	Uttar Pradesh	1652240	2459	92223	25643
	Chandigarh	45998	84	3152	387
	Delhi	375840	1276	144600	2099
	Sub-Total	7478637	12466	320968	39634
WESTERN REGION	Gujarat	3011779	4381	97157	17693
	Madhya Pradesh	2568558	1826	42861	26337
	Maharashtra	5036537	9129	127680	57040
	Goa	49868	459	39913	989
	D. & N Haveli	78460	257	110	145
	Daman & Diu	105805	340	550	113
	Sub-Total	10851007	16392	308271	102317
SOUTHERN REGION	Andhra Pradesh	2320000	2583	115122	56532
	Karnataka	1378105	2654	36727	16512
	Kerala	887085	1503	35982	7864
	Tamil Nadu	3754696	4410	79124	85999
	Pondicherry	171925	180	3456	751
		8511811	11330	270411	167658
EASTERN REGION	Bihar	619020	1479	13057	6175
	Orissa	747246	452	5782	1460
	West Bengal	3825288	3293	26000	872
	D.V.C.	986000	53	0	0
	Sikkim	0	0	8000	200
	Sub-Total	6177554	5277	52839	8707
NORTH EASTERN REGION	Assam	582612	2694	3742	546
	Manipur	7680	5	8749	461
	Meghalaya	12570	90	800	10
	Nagaland	64890	210	1880	860
	Tripura	0	0	3125	45
	Arunachal Pradesh	0	0	3680	165
	Mizoram	0	0	670	3
		Sub-Total	667752	2999	22646
	Lakshadweep	0	0	221	784
	A. & N. Islands	0	0	1431	252
	Total (All India)	33686761	48464	976787	321442

(C):- Included in Industrial(Low & Medium Voltage)

Table No.63 205
CLASSIFICATION OF CONSUMERS AND CONNECTED LOAD (UTILITIES)
REGIONWISE/STATEWISE AS ON 31.3.1997.

Region	State/U.Ts.	TRACTION		AGRICULTURE	
		Connected load(KW)	Consumers	Connected load(KW)	Consumers
NORTHERN REGION	Haryana	0	0	2036365	366540
	Himachal Pradesh	0	0	41520	4744
	Jammu & Kashmir	0	0	114375	3235
	Punjab	0	0	2598037	744015
	Rajasthan	86625	8	2816724	530109
	Uttar Pradesh	241000	7	3400796	634735
	Chandigarh	0	0	1435	282
	Delhi	15000	2	88758	25201
	Sub-Total	342625	17	11098010	2308861
WESTERN REGION	Gujarat	82000	17	4111181	505990
	Madhya Pradesh	506500	55	3722178	1283292
	Maharashtra	431038	55	7136317	2085675
	Goa	0	0	18547	8668
	D. & N Haveli	0	0	1754	633
	Daman & Diu	0	0	3576	1192
		Sub-Total	1019538	127	14993553
SOUTHERN REGION	Andhra Pradesh	287000	30	7155022	1825137
	Karnataka	9350	2	3871843	1062800
	Kerala	0	0	582820	309823
	Tamil Nadu	90000	10	5388517	1472104
	Pondicherry	0	0	51230	10082
		386350	42	17049432	4679946
EASTERN REGION	Bihar	109000	13	1095037	277562
	Orissa	80998	10	257218	43393
	West Bengal	240000	18	434176	87667
	D.V.C.	131000	10	0	0
	Sikkim	0	0	0	0
	Sub-Total	560998	51	1786431	408622
NORTH EASTERN REGION	Assam	0	0	66811	2009
	Manipur	0	0	885	59
	Meghalaya	0	0	900	59
	Nagaland	0	0	1130	176
	Tripura	0	0	20388	1299
	Arunachal Pradesh	0	0	0	0
	Mizoram	0	0	0	0
		Sub-Total	0	0	90114
	Lakshadweep	0	0	0	0
	A. & N. Islands	0	0	0	0
	Total (All India)	2309511	237	45017540	11286481

Table No.63 206
CLASSIFICATION OF CONSUMERS AND CONNECTED LOAD (UTILITIES)
REGIONWISE/STATEWISE AS ON 31.3.1997.

Región	State/U.Ts.	PUBLIC WATER WO		MISCELLANEOUS	
		Connected load(KW)	Consumers	Connected load(KW)	Consumers
NORTHERN REGION	Haryana	74062	4629	135986	401
	Himachal Pradesh	73643	1313	49370	107
	Jammu & Kashmir	122860	2400	75321	8322
	Punjab	62851	3546	127008	433
	Rajasthan	260210	17971	115396	6564
	Uttar Pradesh	176000	4470	0	0
	Chandigarh	6712	256	0	0
	Delhi	144120	118	0	0
	Sub-Total	920458	34703	503081	15827
WESTERN REGION	Gujarat	283858	19112	41931	132
	Madhya Pradesh	145699	12616	10676	35944
	Maharashtra	570583	43043	415073	796
	Goa	42076	468	0	0
	D. & N Haveli	171	86	355	8858
	Daman & Diu	535	51	0	0
		Sub-Total	1042922	75376	468035
SOUTHERN REGION	Andhra Pradesh	(F)	(F)	550630	65824
	Karnataka	187161	29871	2265	1537
	Kerala	49200	1565	0	453
	Tamil Nadu	205290	42713	28794	19454
	Pondicherry	11511	17	0	0
	Sub-Total	453162	74166	581689	87268
EASTERN REGION	Bihar	39000	1285	0	0
	Orissa	43394	1325	141613	13312
	West Bengal	107164	8196	267260	2318
	D.V.C.	0	0	5000	3
	Sikkim	0	0	250	0
	Sub-Total	189558	10806	414123	15633
NORTH EASTERN REGION	Assam	20467	1332	239520	159769
	Manipur	222	96	11601	268
	Meghalaya	9970	219	37578	1826
	Nagaland	2220	148	16500	110
	Tripura	9784	284	0	0
	Arunachal Pradesh	790	27	10500	9010
	Mizoram	4599	4	3726	74
		Sub-Total	48052	2110	319425
	Lakshadweep	0	0	0	0
	A. & N. Islands	709	82	2826	422
	Total (All India)	2654861	197243	2289179	335937

Note:-In certain cases figures for the year 1996-97 may not be consistent with the with the previous year's figures because of improper reporting or revision of last year's data by Electricity Boards/Licensees.

F:- Included under Industrial(H.V.).

TABLE NO.64

AVERAGE ELECTRICITY CONSUMPTION PER CONSUMER
REGIONWISE/STATEWISE/CATEGORYWISE DURING 1996-97
(IN THOUSAND KWH)

Region	State/U.Ts.	Total Average all categories	Domestic	Commer- cial
NORTHERN REGION	Haryana	2.65	0.71	0.90
	Himachal Pradesh	1.43	0.40	0.96
	Jammu & Kashmir	2.90	0.89	3.89
	Punjab	3.75	0.94	1.20
	Rajasthan	2.98	0.65	1.33
	Uttar Pradesh	4.10	1.34	2.90
	Chandigarh	3.81	1.37	7.92
	Delhi	3.16	1.80	5.39
	Sub-Total	3.34	1.02	2.29
WESTERN REGION	Gujarat	3.58	0.55	1.14
	Madhya Pradesh	2.93	0.66	1.10
	Maharashtra	3.58	0.90	2.28
	Goa	2.87	0.90	1.66
	Daman & Diu	10.03	1.27	4.33
	D & N Haveli	11.36	0.36	0.87
		Sub-Total	3.41	0.74
SOUTHERN REGION	Andhra Pradesh	2.16	0.56	1.10
	Karnataka	2.02	0.53	0.61
	Kerala	1.41	0.91	0.84
	Tamil Nadu	2.35	0.52	1.45
	Pondicherry	4.72	0.90	1.85
	Sub-Total	2.09	0.60	1.06
EASTERN REGION	Bihar	5.40	0.67	1.21
	Orissa	3.95	1.34	2.22
	West Bengal	3.35	1.18	2.67
	Sikkim	1.76	1.17	2.01
	Sub-Total	4.00	1.09	2.21
NORTH EASTERN REGION	Assam	2.69	1.03	1.78
	Manipur	2.12	1.05	2.79
	Meghalaya	2.61	0.97	3.70
	Nagaland	1.04	0.68	0.57
	Tripura	1.94	0.57	1.59
	Arunachal Pradesh	1.10	0.77	0.98
	Mizoram	1.34	1.06	2.42
		Sub-Total	2.24	0.93
	Lakshdweep	0.90	0.84	1.11
	A & N Islands	1.27	0.65	1.92
	Total (All India)	2.95	0.79	1.68

For notes: Please see Table No.55 & 63

TABLE NO.64 (Contd.)

AVERAGE ELECTRICITY CONSUMPTION PER CONSUMER
REGIONWISE/STATEWISE/CATEGORYWISE DURING 1996-97
(IN THOUSAND KWH)

Region	State/U.Ts.	Industrial L.V. & M.V.	Indus- trial H.V.	Public Lighting
NORTHERN REGION	Haryana	7.50	590.90	8.19
	Himachal Pradesh	39.19	0.00	13.85
	Jammu & Kashmir	16.92	0.00	292.04
	Punjab	14.98	2047.69	34.36
	Rajasthan	10.33	2599.24	13.51
	Uttar Pradesh	8.54	1229.42	10.07
	Chandigarh	38.73	1410.00	50.16
	Delhi	11.97	1298.48	29.17
	Sub-Total	11.74	1439.68	15.25
WESTERN REGION	Gujarat	13.97	2072.06	7.22
	Madhya Pradesh	8.26	4239.16	4.82
	Maharashtra	8.31	1713.27	7.72
	Goa	5.09	1744.59	13.96
	Daman & Diu	56.45	1368.06	0.51
	D & N Haveli	12.39	614.94	4.33
	Sub-Total	10.50	2078.94	6.89
SOUTHERN REGION	Andhra Pradesh	9.60	2240.70	3.44
	Karnataka	3.40	1624.37	6.33
	Kerala	5.70	1883.29	14.33
	Tamil Nadu	7.90	2031.44	2.46
	Pondicherry	12.20	0.00	0.88
	Sub-Total	6.44	1978.98	3.93
EASTERN REGION	Bihar	3.32	4614.32	6.30
	Orissa	11.82	4987.33	11.15
	West Bengal	7.32	2322.91	115.02
	Sikkim	39.71	0.00	18.13
	Sub-Total	6.36	3508.67	16.55
NORTH EASTERN REGION	Assam	30.87	243.86	22.66
	Manipur	19.44	571.14	11.09
	Meghalaya	33.71	493.09	30.00
	Nagaland	5.59	50.00	0.82
	Tripura	12.93	0.00	43.58
	Arunachal Pradesh	30.77	0.00	1.17
	Mizoram	20.26	0.00	4.73
	Sub-Total	22.27	236.89	4.03
	Lakshdweep	1.95	0.00	1.01
	A & N Islands	13.82	0.00	23.10
	Total (All India)	9.03	1703.83	7.69

For notes: Please see Table No.55 & 63

TABLE NO.64 (Contd.)
AVERAGE ELECTRICITY CONSUMPTION PER CONSUMER
REGIONWISE/STATEWISE/CATEGORYWISE DURING 1996-97
(IN THOUSAND KWH)

Region	State/U.Ts.	Traction	Agricultural	Public Water Work	Miscellaneous
NORTHERN REGION	Haryana	0.00	11.16	42.88	891.35
	Himachal Pradesh	0.00	2.40	113.73	1243.36
	Jammu & Kashmir	0.00	103.95	112.23	26.82
	Punjab	0.00	8.53	44.58	1148.80
	Rajasthan	22777.50	8.94	31.16	51.92
	Uttar Pradesh	120857.14	15.51	125.50	0.00
	Chandigarh	0.00	13.90	0.00	0.00
	Delhi	32500.00	1.90	1889.83	0.00
	Sub-Total	64307.06	11.01	61.06	103.20
WESTERN REGION	Gujarat	20235.29	19.93	20.87	912.95
	Madhya Pradesh	21010.00	6.92	34.34	0.54
	Maharashtra	26410.73	6.78	28.35	261.90
	Goa	0.00	1.20	66.75	0.00
	Daman & Diu	0.00	1.93	9.07	0.43
	D & N Haveli	0.00	0.42	6.67	0.00
		Sub-Total	23245.20	8.52	27.66
SOUTHERN REGION	Andhra Pradesh	22900.00	4.50	0.00	10.30
	Karnataka	14200.00	6.55	5.61	14.40
	Kerala	0.00	1.06	103.18	70.77
	Tamil Nadu	35600.00	4.71	8.38	45.67
	Pondicherry	0.00	9.36	690.59	0.00
	Sub-Total	25509.52	4.81	9.42	18.57
EASTERN REGION	Bihar	49140.77	4.80	122.05	0.00
	Orissa	18425.00	3.67	76.70	22.83
	West Bengal	36353.89	15.66	34.73	40.33
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	28969.61	7.01	50.26	27.80
NORTH EASTERN REGION	Assam	0.00	22.69	26.38	2.29
	Manipur	0.00	121.36	119.38	192.35
	Meghalaya	0.00	24.07	100.27	36.77
	Nagaland	0.00	3.98	16.22	194.55
	Tripura	0.00	33.10	160.92	0.00
	Arunachal Pradesh	0.00	0.00	31.48	1.94
	Mizoram	0.00	0.00	1325.00	55.27
		Sub-Total	0.00	27.17	58.20
	Lakshdweep	0.00	0.00	0.00	0.00
	A & N Islands	0.00	0.00	9.15	24.00
	Total (All India)	27823.67	7.44	28.24	13.69

For notes: Please see Table No.55 & 63

TABLE NO.65

AVERAGE CONNECTED LOAD PER CONSUMER
REGIONWISE/STATEWISE/CATEGORYWISE AS ON 31.3.1997
(IN KW)

Region	State/U.Ts.	Total Average all categories	Domestic	Commer- cial
NORTHERN REGION	Haryana	2.02	0.72	0.91
	Himachal Pradesh	1.48	0.88	2.04
	Jammu & Kashmir	1.06	0.33	0.72
	Punjab	2.43	1.14	1.66
	Rajasthan	2.01	0.60	1.14
	Uttar Pradesh	2.16	0.98	2.10
	Chandigarh	3.41	2.27	7.85
	Delhi	1.88	1.02	2.46
	Sub-Total	2.08	0.89	1.71
WESTERN REGION	Gujarat	2.10	0.67	1.06
	Madhya Pradesh	1.31	0.30	0.90
	Maharashtra	2.08	0.80	2.02
	Goa	26.16	30.66	1.77
	Daman & Diu	5.62	1.04	1.90
	Dadra & N.Haveli	4.12	0.57	1.49
	Sub-Total	2.16	1.01	1.48
SOUTHERN REGION	Andhra Pradesh	1.75	0.57	0.98
	Karnataka	1.53	0.73	0.47
	Kerala	1.23	0.73	0.71
	Tamil Nadu	1.76	0.71	1.16
	Pondicherry	2.36	0.63	1.50
	Sub-Total	1.63	0.68	0.88
EASTERN REGION	Bihar	2.91	0.91	4.40
	Orissa	2.41	1.20	1.00
	West Bengal	1.96	0.60	1.15
	Sikkim	0.87	0.40	1.25
	Sub-Total	2.44	0.78	2.01
NORTH EASTERN REGION	Assam	2.38	1.12	1.72
	Manipur	0.93	0.61	1.42
	Meghalaya	2.03	1.31	2.34
	Nagaland	4.34	1.61	12.80
	Tripura	1.28	0.73	1.00
	Arunachal Pradesh	0.68	0.50	0.35
	Mizoram	1.14	0.97	2.44
	Sub-Total	2.11	1.03	2.95
	Lakshadweep	0.92	0.78	1.24
	A. & N. Islands	1.15	0.97	1.32
	Total (All India)	1.97	0.85	1.41

TABLE NO.65 (Contd.)
 AVERAGE CONNECTED LOAD PER CONSUMER
 REGIONWISE/STATEWISE/CATEGORYWISE AS ON 31.3.1997
 (IN KW)

Region	State/U.Ts.	Industrial (L.V&M.V.)	Industrial- (H.V.)	Public Lighting
NORTHERN REGION	Haryana	13.60	468.70	2.15
	Himachal Pradesh	19.84	0.00	4.68
	Jammu & Kashmir	13.52	420.00	146.67
	Punjab	15.19	554.97	10.66
	Rajasthan	12.31	1066.69	6.42
	Uttar Pradesh	11.58	671.92	3.60
	Chandigarh	17.78	547.60	8.14
	Delhi	9.57	294.55	68.89
	Sub-Total	12.75	599.92	8.10
WESTERN REGION	Gujarat	12.84	687.46	5.49
	Madhya Pradesh	10.57	1406.66	1.63
	Maharashtra	10.78	551.71	2.24
	Goa	12.64	108.64	40.36
	Daman & Diu	36.85	311.19	4.87
	Dadra & N.Haveli	29.88	305.29	0.76
		Sub-Total	11.62	661.97
SOUTHERN REGION	Andhra Pradesh	14.93	898.18	2.04
	Karnataka	6.25	519.26	2.22
	Kerala	14.01	590.21	4.58
	Tamil Nadu	9.11	851.40	0.92
	Pondicherry	15.26	955.14	4.60
	Sub-Total	9.61	751.26	1.67
EASTERN REGION	Bihar	16.79	418.54	2.11
	Orissa	16.19	1653.20	3.96
	West Bengal	3.11	1161.64	29.82
	Sikkim	37.82	0.00	40.00
	Sub-Total	9.19	1170.66	6.07
NORTH EASTERN REGION	Assam	18.46	216.26	6.85
	Manipur	5.66	1536.00	18.98
	Meghalaya	14.56	139.67	80.00
	Nagaland	30.01	309.00	2.19
	Tripura	10.08	0.00	69.44
	Arunachal Pradesh	23.59	0.00	22.30
	Mizoram	18.16	0.00	223.33
		Sub-Total	15.80	222.66
	Lakshadweep	8.59	0.00	0.28
	A. & N. Islands	7.58	0.00	5.68
	Total (All India)	10.97	695.09	3.04

For Notes:-Please see Table No.63.

TABLE NO.65 (Contd.)
 AVERAGE CONNECTED LOAD PER CONSUMER
 REGIONWISE/STATEWISE/CATEGORYWISE AS ON 31.3.1997
 (IN KW)

Region	State/U.Ts.	Traction	Agricul- tural	Public Water Wor	Miscella- neous
NORTHERN REGION	Haryana	0.00	5.56	16.00	339.12
	Himachal Pradesh	0.00	8.75	56.09	461.40
	Jammu & Kashmir	0.00	35.36	51.19	9.05
	Punjab	0.00	3.49	17.72	293.32
	Rajasthan	10828.13	5.31	14.48	17.58
	Uttar Pradesh	34428.57	5.36	39.37	0.00
	Chandigarh	0.00	5.09	26.22	0.00
	Delhi	7500.00	3.52	1221.36	0.00
	Sub-Total	20154.41	4.81	26.52	31.79
WESTERN REGION	Gujarat	4823.53	8.13	14.85	317.66
	Madhya Pradesh	9209.09	2.90	11.55	0.30
	Maharashtra	7837.05	3.42	13.26	521.45
	Goa	0.00	2.14	89.91	0.00
	Daman & Diu	0.00	3.00	10.49	0.00
	Dadra & N.Haveli	0.00	2.77	1.99	0.04
	Sub-Total	8027.86	3.86	13.84	10.23
SOUTHERN REGION	Andhra Pradesh	9566.67	3.92	0.00	8.37
	Karnataka	4675.00	3.64	6.27	1.47
	Kerala	0.00	1.88	31.44	0.00
	Tamil Nadu	9000.00	3.66	4.81	1.48
	Pondicherry	0.00	5.08	677.12	0.00
	Sub-Total	9198.81	3.64	6.11	6.67
EASTERN REGION	Bihar	8384.62	3.95	30.35	0.00
	Orissa	8099.80	5.93	32.75	10.64
	West Bengal	13333.33	4.95	13.08	115.30
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	10999.96	4.37	17.54	26.49
NORTH EASTERN REGION	Assam	0.00	33.26	15.37	1.50
	Manipur	0.00	15.00	2.31	23.29
	Meghalaya	0.00	15.25	45.53	20.58
	Nagaland	0.00	6.42	15.00	150.00
	Tripura	0.00	15.70	34.45	0.00
	Arunachal Pradesh	0.00	0.00	29.26	1.17
	Mizoram	0.00	0.00	1149.75	50.35
	Sub-Total	0.00	25.02	22.77	1.87
	Lakshadweep	0.00	0.00	0.00	0.00
	A. & N. Islands	0.00	0.00	8.65	6.70
	Total (All India)	9744.77	3.99	13.46	6.81

For Notes:-Please see Table No.63.

SECTION- X

URBAN & RURAL ELECTRIFICATION

SECTION -X

URBAN & RURAL ELECTRIFICATION

High Priority continued to be attached to the implementation of rural electrification work. The revised programme included among other measures, maximisation of power generation, electrification of all villages as speedily as possible and increase in irrigation potential through energisation of pump sets. Rural electrification programme is being implemented by the States and Union Territories in their respective areas under the State Plans supplemented by the REC (Rural Electrification Corporation) financing and loans from Financial Institutions.

During the year 1996-97, 3843 villages were electrified bringing the total number of villages electrified to 498836 as on 31st March, 1997 which represents 84.90% of the total registered villages in the country. The States of Punjab, Maharashtra, Haryana, Goa, Andhra Pradesh, Sikkim, Tamil Nadu, Delhi, Kerala and the Union Territories of Chandigarh, Pondicherry, Daman & Diu, Lakshadweep Islands, Dadra & Nagar Haveli and Andaman & Nicobar Islands have already achieved 100% electrification of villages in their territories.

On the regional basis, the Southern Region tops with 99.4% of villages electrified followed by Western Region (96.8%), Northern Region (84.2%), Eastern Region (72.3%) and North Eastern Region (72.3%). The rural population on all India basis enjoying the benefits of village electrification was 84.90% as on 31st March, 1997. All the 4,673 towns in the country stand already electrified.

The energisation of pumpsets also progressed satisfactorily. The total number of energised pump sets/tube wells in the country was 11565342 as on 31st March, 1997. Maharashtra have maximum number of energised pump sets (2091718) followed by Andhra Pradesh (1821291). The average connected load and electricity consumption per pumpset is 3.80 KW and 7265 Kwh respectively. The electricity consumption in agriculture sector is second highest being 29.99% of total consumption of electricity of 280206 Gwh in the country during 1996-97.

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

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TABLE NO.66
TOWNS ELECTRIFIED IN VARIOUS POPULATION GROUPS
REGIONWISE/STATEWISE AS ON 31.3.1997

Region	Name of the State/U.Ts.	Total no. of Towns (1991 Census)	POPULATION GROUPS (1991 CENSUS)		
			Below 5000	5000 to 9999	10000 to 19999
NORTHERN REGION	Haryana	94			
	Himachal Pradesh	58			
	Jammu & Kashmir	58			
	Punjab	120			
	Rajasthan	222			
	Uttar Pradesh	753			
	Chandigarh	5			
	Delhi	32			
	Sub-Total	1342			
WESTERN REGION	Gujarat	264			
	Madhya Pradesh	465			
	Maharashtra	336			
	Goa	31			
	Daman & Diu	2			
	D. & N Haveli	1			
	Sub-Total	1099			
SOUTHERN REGION	Andhra Pradesh	264			
	Karnataka	306			
	Kerala	197			
	Tamil Nadu	469			
	Pondicherry	11			
	Lakshadweep	4			
	Sub-Total	1251			
EASTERN REGION	Bihar	271			
	Orissa	124			
	West Bengal	382			
	A. & N. Islands	1			
	Sikkim	8			
	Sub-Total	786			
NORTH EASTERN REGION	Assam	93			
	Manipur	31			
	Meghalaya	12			
	Nagaland	9			
	Tripura	18			
	Arunachal Pradesh	10			
Mizoram	22				
	Sub-Total	195			
	Total (All India)	4673			

Note :- Population groupwise details of towns electrified is not available.

TOWNS ELECTRIFIED IN VARIOUS POPULATION GROUPS
REGIONWISE/STATEWISE AS ON 31.3.1997

Region	Name of the State/U.Ts.	POPULATION GROUPS (1991 CENSUS)			Total no. of Towns Electrified
		20000 to 49999	50000 to 99999	Over 1 Lakh	
NORTHERN REGION	Haryana				94
	Himachal Pradesh				58
	Jammu & Kashmir				58
	Punjab				120
	Rajasthan				222
	Uttar Pradesh				753
	Chandigarh				5
	Delhi				32
	Sub-Total				1342
WESTERN REGION	Gujarat				264
	Madhya Pradesh				465
	Maharashtra				336
	Goa				31
	Daman & Diu				2
	D. & N Haveli				1
	Sub-Total				1099
SOUTHERN REGION	Andhra Pradesh				264
	Karnataka				306
	Kerala				197
	Tamil Nadu				469
	Pondicherry				11
	Lakshadweep				4
	Sub-Total				1251
EASTERN REGION	Bihar				271
	Orissa				124
	West Bengal				382
	A. & N. Islands				1
	Sikkim				8
	Sub-Total				786
NORTH EASTERN REGION	Assam *				93
	Manipur				31
	Meghalaya				12
	Nagaland				9
	Tripura				18
	Arunachal Pradesh				10
	Mizoram				22
	Sub-Total				195
	Total (All India)				4672

Note :- Population groupwise details of towns electrified is not available.

TABLE NO.67
 VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS (1991 CENSUS)
 AND RURAL POPULATION BENEFITTED BY ELECTRICITY REGIONWISE/STATEWIS
 AS ON 31ST MARCH 1997

Region	Name of the State State/U.Ts.	Total No. of Villages	VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS		
			Below 500	500 to 999	1000 to 1999
NORTHERN REGION	Haryana	6759	1083	3566	0
	Himachal Pradesh \$	16997	14500	1600	410
	Jammu & Kashmir \$	6477	3246	1670	1000
	Punjab	12428	3839	3611	3130
	Rajasthan	37889	13351	9615	6912
	Uttar Pradesh \$	112803	39963	23853	15839
	Chandigarh	25	5	2	6
	Delhi	199	16	13	44
	Sub-Total	193577	76003	43930	27341
WESTERN REGION	Gujarat \$	18028	3850	4584	5405
	Madhya Pradesh	71526	31321	21302	11347
	Maharashtra \$	40412	11703	12408	10632
	Goa \$	360	92	64	78
	Daman & Diu	24	3	6	6
	D. & N Haveli	71	12	15	17
	Sub-Total	130421	46981	38379	27485
SOUTHERN REGION	Andhra Pradesh	26586	7071	4764	6433
	Karnataka	27066	9311	7399	5859
	Kerala	1384	6	3	18
	Tamil Nadu	15822	2064	2851	4625
	Pondicherry	263	99	75	48
	Lakshadweep	7	2	0	0
	Sub-Total	71128	18553	15092	16983
EASTERN REGION	Bihar \$	67513	22650	11984	8044
	Orissa \$	46989	20957	8029	3233
	West Bengal \$	37910	10833	8256	5909
	A. & N. Islands	504	377	65	44
	Sikkim \$	447	176	140	69
	Sub-Total	153363	54993	28474	17299
NORTH EASTERN REGION	Assam \$	24685	11239	5000	2000
	Manipur \$	2182	1450	230	142
	Meghalaya	5484	1960	377	99
	Nagaland \$	1216	649	268	151
	Trnpura	855	48	91	192
	Arunachal Pradesh	3649	1741	292	0
	Mizoram	698	438	152	64
	Sub-Total	38769	17525	6410	2648
	Total (All India)	587258	214055	132285	91756

TABLE NO.67
 VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS (1991 CENSUS)
 AND RURAL POPULATION BENEFITTED BY ELECTRICITY REGIONWISE/STATEWIS
 AS ON 31ST MARCH 1997

Region	Name of the State/U.Ts.	VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROU			Total electrified as on 31.3.97
		2000 to 4999	5000 to 9999	10,000 & above	
NORTHERN REGION	Haryana	1702	364	44	6759
	Himachal Pradesh \$	120	5	0	16635
	Jammu & Kashmir \$	368	16	1	a 6301
	Punjab	1626	208	14	12428
	Rajasthan	3230	415	31	33554
	Uttar Pradesh	6499	798	127	87079
	Chandigarh	8	3	1	25
	Delhi	86	19	21	199
	Sub-Total	13639	1828	239	162980
WESTERN REGION	Gujarat \$	3418	595	75	17927
	Madhya Pradesh	3260	266	0	67496
	Maharashtra \$	4715	762	192	** 40412
	Goa \$	94	31	1	** 360
	Daman & Diu	6	2	1	24
	D. & N Haveli	25	1	1	71
	Sub-Total	11518	1657	270	126290
SOUTHERN REGION	Andhra Pradesh	6510	1474	313	+26565
	Karnataka	3424	570	100	26663
	Kerala	98	255	1004	1384
	Tamil Nadu	4764	1247	271	15822
	Pondicherry	38	3	0	263
	Lakshadweep	4	1	0	7
	Sub-Total	14838	3550	1688	70704
EASTERN REGION	Bihar \$	4106	865	183	* 47832
	Orissa \$	582	22	2	32825
	West Bengal \$	3521	659	93	* 29271
	A. & N. Islands	15	0	0	+ 501
	Sikkim \$	18	2	0	++ 405
	Sub-Total	8242	1548	278	110834
NORTH EASTERN REGION	Assam \$	733	26	1	18999
	Manipur \$	55	10	1	1888
	Meghalaya	31	0	0	a 2467
	Nagaland \$	76	8	1	1153
	Tripura	340	96	21	788
	Arunachal Pradesh	24	3	1	2061
	Mizoram	16	2	0	672
	Sub-Total	1275	145	25	28028
	Total (All India)	49512	8728	2500	498836

\$ - Population groupwise break up estimated. 1991 census was not held.

Total villages are as per 1981 census.

** - Provisional to be confirmed as per 1991 census.

+ - Fully electrified. Balance not feasible.

TABLE NO.67
VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS (1991 CENSUS)
AND RURAL POPULATION BENEFITTED BY ELECTRICITY REGIONWISE/STATEWISE
AS ON 31ST MARCH 1997

Region	Name of the State/U.Ts.	% age electrified	Villages electrified during 1996-97	Total Rural Population (Lakhs) 1991 Censu	Rural Population covered (Lakhs) 1991 Censu	% Population covered 1991 Censu
NORTHERN REGION	Haryana	100.00	0	124.09	124.09	100.00
	Himachal Pradesh	97.87	0	47.22	* 46.00	97.42
	Jammu & Kashmir	0.00	27	58.79	* 52.91	90.00
	Punjab	100.00	0	142.89	142.89	100.00
	Rajasthan	88.56	654	339.39	325.58	95.93
	Uttar Pradesh	77.20	1422	1115.06	* 892.00	80.00
	Chandigarh	100.00	0	0.65	0.66	101.54
	Delhi	100.00	0	9.49	9.49	100.00
Sub-Total		84.19	2103	1837.58	1593.62	86.72
WESTERN REGION	Gujarat	99.44	0	270.64	* 270.20	99.84
	Madhya Pradesh	94.37	400	508.42	498.72	98.09
	Maharashtra	0.00	0	483.96	* 483.96	100.00
	Goa	0.00	0	6.90	* 6.90	100.00
	Daman & Diu	100.00	0	0.54	0.54	100.00
	D. & N Haveli	100.00	0	1.26	1.26	100.00
Sub-Total		96.83	400	1271.72	1261.58	99.20
SOUTHERN REGION	Andhra Pradesh	0.00	0	486.21	486.21	100.00
	Karnataka	98.51	0	310.69	310.39	99.90
	Kerala	100.00	0	214.18	213.56	99.71
	Tamil Nadu	100.00	0	367.81	366.00	99.51
	Pondicherry	100.00	0	2.90	2.90	100.00
	Lakshadweep	100.00	0	0.22	0.22	100.00
Sub-Total		99.40	0	1382.01	1379.28	99.80
EASTERN REGION	Bihar	0.00	27	750.21	* 504.21	67.21
	Orissa	69.86	737	274.25	* 193.81	70.67
	West Bengal	0.00	66	493.70	* 366.88	74.31
	A. & N. Islands	0.00	0	2.05	2.05	100.00
	Sikkim	0.00	0	3.69	* 3.00	81.30
Sub-Total		72.27	830	1523.90	1069.95	70.21
NORTH EASTERN REGION	Assam	76.97	130	199.27	* 153.23	76.90
	Manipur	86.53	140	13.32	* 11.00	82.58
	Meghalaya	0.00	60	14.45	* 10.11	69.97
	Nagaland	94.82	0	10.01	* 9.81	98.00
	Tripura	92.16	60	23.35	* 16.80	71.95
	Arunachal Pradesh	56.48	111	7.54	* 5.00	66.31
	Mizoram	96.28	9	3.72	* 3.70	99.46
Sub-Total		72.29	510	271.66	209.65	77.17
Total (All India)		84.94	3843	6286.87	5514.08	87.71

++ :- Provisional to be confirmed. 42 Nos. forest villages not electrified.

* :- Achievement as per 1981 census.

a :- Achievement as per 1971 census.

TABLE NO.68
IRRIGATION PUMPSETS/TUBEWELLS ENERGISED-REGIONWISE/STATEWISE
AS ON 31ST MARCH,1997

Region	Name of the State/U.Ts.	No. of Pumpsets Energised	AGRICULTURAL CONSUMPTIO	
			Quantum (GWH)	% to total consumption in the State
NORTHERN REGION	Haryana	408461	4089.13	46.94
	Himachal Pradesh	4780	11.38	0.65
	Jammu & Kashmir	5088	336.29	17.07
	Punjab	726221	6348.00	36.26
	Rajasthan	539762	4737.37	34.45
	Uttar Pradesh	778512	9846.00	37.03
	Chandigarh	623	3.92	0.63
	Delhi	24373	48.00	0.70
	Sub-Total	2487820	25420.09	32.68
WESTERN REGION	Gujarat	591564	10086.78	36.84
	Madhya Pradesh	1176317	8875.20	38.04
	Maharashtra	2091718	14136.67	30.02
	Goa	6063	10.43	1.09
	Daman & Diu	664	1.22	0.44
	D. & N Haveli	416	0.50	0.13
	Sub-Total	3866742	33110.80	33.31
SOUTHERN REGION	Andhra Pradesh	1821291	8210.44	38.50
	Karnataka	1049465	6957.07	45.70
	Kerala	314632	329.08	4.71
	Tamil Nadu	1567322	6936.12	26.43
	Pondicherry	10082	94.40	11.17
	Lakshadweep	0	0.00	0.00
	Sub-Total	4762792	22527.11	31.89
EASTERN REGION	Bihar	269345	1331.15	12.49
	Orissa	70144	159.21	3.26
	West Bengal	102773	1372.73	10.09
	A. & N. Islands	1	0.00	0.00
	Sikkim	0	0.00	0.00
	Sub-Total	442263	2863.09	9.77
NORTH EASTERN REGION	Assam	3675	45.58	2.37
	Manipur	45	7.16	2.50
	Meghalaya	65	1.42	0.49
	Nagaland	176	0.70	0.54
	Tripura	1764	43.00	15.92
	Arunachal Pradesh	0	0.00	0.00
	Mizoram	0	0.00	0.00
	Sub-Total	5725	97.86	3.17
	Total (All India)	11565342	84018.95	29.99

TABLE NO.68 (Contd.)
IRRIGATION PUMPSETS/TUBEWELLS ENERGISED-REGIONWISE/STATEWISE
AS ON 31ST MARCH,1997

Region	Name of the State/U.Ts.	Agricultural Connected Load(KW)	Average Capacity per pumpset(KW)	Average Consumption per pump-set(KWh)
NORTHERN REGION	Haryana	2036365	4.99	10011
	Himachal Pradesh	41520	8.69	2381
	Jammu & Kashmir	114375	22.48	66095
	Punjab	2598037	3.58	8741
	Rajasthan	2816724	5.22	8777
	Uttar Pradesh	3400796	4.37	12647
	Chandigarh	1435	2.30	6292
	Delhi	88758	3.64	1969
	Sub-Total	11098010	4.46	10218
WESTERN REGION	Gujarat	4111181	6.95	17051
	Madhya Pradesh	3722178	3.16	7545
	Maharashtra	7136317	3.41	6758
	Goa	18547	3.06	1720
	Daman & Diu	3576	5.39	1837
	D. & N Haveli	1754	4.22	1202
		Sub-Total	14993553	3.88
SOUTHERN REGION	Andhra Pradesh	7155022	3.93	4508
	Karnataka	3871843	3.69	6629
	Kerala	582820	1.85	1046
	Tamil Nadu	5388517	3.44	4425
	Pondicherry	51230	5.08	9363
	Lakshadweep	0	0.00	0
	Sub-Total	17049432	3.58	4730
EASTERN REGION	Bihar	1095037	4.07	4942
	Orissa	257218	3.67	2270
	West Bengal	434176	4.22	13357
	A.& N. Islands	0	0.00	0
	Sikkim	0	0.00	0
	Sub-Total	1786431	4.04	6474
NORTH EASTERN REGION	Assam	66811	18.18	12403
	Manipur	885	19.67	159111
	Meghalaya	900	13.85	21846
	Nagaland	1130	6.42	3977
	Tripura	20388	11.56	24376
	Arunachal Pradesh	0	0.00	0
	Mizoram	0	0.00	0
	Sub-Total	90114	15.74	17093
	Total (All India)	45017540	3.89	7265