

सार्वजनिक विद्युत आपूर्ति
PUBLIC ELECTRICITY SUPPLY

अखिल भारत सांख्यिकी
ALL INDIA STATISTICS

1991-92

सामान्य पुनर्वलोकन
GENERAL REVIEW



केन्द्रीय विद्युत प्राधिकरण
CENTRAL ELECTRICITY AUTHORITY



भारत सरकार

GOVERNMENT OF INDIA

विद्युत मंत्रालय

MINISTRY OF POWER

केन्द्रीय विद्युत प्राधिकरण

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संकलन कर्ता

COMPILED BY

विद्युत आंकड़ा बैंक एवम् सूचना निदेशालय

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CENTRAL ELECTRICITY AUTHORITY

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NEW DELHI

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प्रस्तावना

केन्द्रीय विद्युत प्राधिकरण द्वारा हर वर्ष सार्वजनिक विद्युत आपूर्ति-अखिल भारत संख्यकी - सामान्य पूर्णवालोकेन प्रकाशित किया जा रहा है। इस प्रकाशन में देश में विद्युत आपूर्ति उद्योग की प्रगति एवं विकास की मुख्य मुख्य बातों को सारांशिकृत रूप में प्रस्तुत किया गया है। इस अंक में भी गत वर्ष की प्रगति का अनुसूचन किया गया है।

2. इस पुर्नवालोकेन को दस खण्डों में विभाजित किया गया है तथा वर्ष 1991-92 के दौरान देश में प्रत्येक राज्य तथा संघ शासित क्षेत्र में विद्युत आपूर्ति उद्योग द्वारा की गई प्रगति के व्यापक रूप में व्यौर प्रस्तुत किये गये हैं। विद्युत सम्बन्धी विविध प्रकार के आंकड़े जैसे प्रतिस्थापित उत्पादन क्षमता, पारेक्षण एवं वितरण, उत्पादन, उपभोक्ताओं की विभिन्न श्रेणियों द्वारा खपत, विद्युतीकृत गांवों, सिंचाई पम्प सेटों तथा प्रणाली हानि आदि को समाविष्ट किया गया है। इंधन की खपत, चरम मांग तथा विद्युत क्षेत्र में कार्यरत जन शक्ति जैसे प्रचालन सम्बन्धी आंकड़ों के व्यौर भी इस पुर्नवालोकेन में प्रस्तुत किये गये हैं।

3. सातवीं योजना {1985-86 से 1989-90} तक में विद्युत विकास के कार्यक्रम समेत 31 मार्च 1992 तक विद्युत विकास का एक संक्षिप्त 'दृश्य पटल' भी प्रस्तुत किया है। विशिष्टताएँ जोकि गत वर्षों में सम्मिलित की गयी थीं इस वर्ष भी सम्मिलित की गई हैं जिनमें वर्षवार/योजनावार प्रतिस्थापित क्षमता संवर्धन, उत्पादन, खपत प्रवृत्ति ग्राम विद्युतीकरण, प्रति व्यक्ति खपत आदि को जहां पर आवश्यकता समझी गई अद्यतन करके 'दृश्य पटल' {ओवर व्यू} की सारिणी {1} से {5} में प्रकाशित किया गया है। इस पुर्नवालोकेन में विद्युत उद्योग की उपलब्धियों को विभिन्न चार्टों/ग्राफों के माध्यम से दर्शाया गया है। हमें आशा है कि इससे सभी सम्बन्धित लाभान्वित होंगे।

4. वर्ष 1991-92 के दौरान विद्युत उद्योग द्वारा दर्शायी गई प्रगति की मुख्य मुख्य बातें नीचे दी गई है :-
{क} 3667.92 मेगावाट {2978.86 मेगावाट सार्वजनिक व्यवसायिक संस्थानों में तथा 689.06 मेगावाट गैर-विद्युत व्यवसायी संस्थानों में} का उत्पादन क्षमता संवर्धन जिससे देश में कुल संचित प्रतिस्थापित क्षमता बढ़कर 78366.60 मेगावाट {सार्वजनिक विद्युत व्यवसायी संस्थानों में 69065.19 मेगावाट तथा गैर विद्युत व्यवसायी संस्थानों में 9301.41 मेगावाट} हो गई है। पिछले वर्ष की तुलना में वृद्धि सार्वजनिक विद्युत व्यवसायी संस्थानों में 4.51 % तथा गैर विद्युत व्यवसायी संस्थानों के मामले में 8.00 % थी। ऊपर दिये गये गैर विद्युत व्यवसायी संस्थानों के लिए क्षमता के आंकड़ों में केवल उन्हीं उद्योगों के आंकड़ों को लिया गया है जिनके पास 1.00 मेगावाट तथा इससे अधिक विद्युत उत्पादन क्षमता है।

FOREWORD

Public Electricity Supply - All India Statistics - General Review is being published yearly by the C.E.A. 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. This Review has been divided into 10 Sections presenting comprehensively the progress achieved by the electricity supply industry in each of the States and Union Territories in the country during the year 1991-92. A wide spectrum of electricity related data viz. installed generating capacity, generation, transmission and distribution, consumption by different categories of consumers, villages electrified, irrigation pumpsets energised and system losses, etc. have been incorporated. The details of operating data like consumption of fuel, peak demand and manpower engaged in the Power Sector are also presented in this Review.

3. A brief "Overview" of power development upto 31st March, 1992 including the programme and achievement of Power Development in Seventh Plan (1985-86 to 1989-90) has also been provided. A feature introduced in previous few years and continued this year 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". The review highlights the achievements of the Power Sector through various charts/graphs which I hope would be of interest to all concerned.

4. The important features marking the progress made by Power Sector during 1991-92 are as follows:-

(i) Net addition to generating capacity of 3667.92 MW (2978.86 MW in utilities and 689.06 MW in non-utilities) raising the cumulative installed capacity in the country to 78366.60 MW (69065.19 MW in Public Utilities and 9301.41 MW in Non-Utilities). Percentage growth over the previous year was 4.51% in the case of Public Utilities and 8.00 % in the case of Non-Utilities. (In the capacity figure for Non-Utilities given above, only industries having capacity of the order of 1.00 MW and above have been taken into account).

{ख} गत वर्ष की तुलना में 1991-92 के दौरान विद्युत उत्पादन में 8.59 % की वृद्धि हुई है। वाष्प विद्युत संयंत्रों द्वारा विद्युत उत्पादन में 10.57% की वृद्धि दर्शायी है, जबकि देश के जल विद्युत संयंत्रों द्वारा उत्पादन में 1.56 % की वृद्धि दर्शायी है।

{ग} वर्ष के दौरान विभिन्न उपभोक्ताओं को बेची गई विद्युत में गत वर्ष की 8.52 % की वृद्धि की तुलना में 9.08 % की वृद्धि हुई। औद्योगिक क्षेत्र द्वारा ऊर्जा की खपत 42.04 % रही। (पिछले वर्ष के दौरान 44.24 % की तुलना में) अन्य श्रेणियों की खपत की प्रवृत्ति में कोई महत्वपूर्ण परिवर्तन नहीं हुआ।

{घ} वर्ष के दौरान 4.56 मिलियन नए उपभोक्ताओं के संवर्द्धन से सभी श्रेणियों के उपभोक्ताओं की कुल संख्या बढ़कर 74.19 मिलियन हो गयी है। वर्ष के अन्त का कुल संयोजित भार 135665 मेगावाट था। इस वर्ष के दौरान प्रति व्यक्ति विद्युत खपत गत वर्ष की 252.77 कि.वा.घं. से बढ़कर 269.98 कि.वा.घं. हो गई।

{ङ} ग्रामीण क्षेत्रों के विद्युतीकरण पर बल दिया जाना जारी रहा। वर्ष के अन्त तक विद्युतीकृत गांवों की कुल संख्या 487170 हो गई थी (देश के कुल गांवों का 84.1 %)। जबकि इसकी तुलना में गत वर्ष के अन्त तक विद्युतीकृत गांवों की कुल संख्या 481124 थी जो कि कुल गांवों का 83.1 % थी।

{च} संचारण एवं वितरण तार जाल (नेटवर्क) का विस्तार 31.3.1992 की स्थिति के अनुसार संचारण एवं वितरण लाइनों की कुल लम्बाई गत वर्ष के अन्त तक 4533414 सर्किट कि.मी. से बढ़कर 4574200 सर्किट कि.मी. हो गई जो कि 0.90 % की वृद्धि दर्शाती है। संचारण एवं वितरण में विद्युत हानि की समग्र प्रतिशतता गत वर्ष के दौरान 22.89 % की तुलना में 22.83 % थी।

{5} राज्य विद्युत बोर्ड, विद्युत निगमों तथा अन्य विद्युती व्यवसायी संस्थानों तथा गैर विद्युत व्यवसायी संस्थानों के सहयोग और आधारभूत आंकड़े उपलब्ध करवाने के लिए हम अत्यधिक आभारी हैं। इनके विपुल समर्थन एवं अनुकूल प्रतिक्रिया के बिना इस प्रकाशन को निकालना संभव न हो पाता।

{6} इस प्रकाशन में सम्मिलित सामग्री की यथार्थता सुनिश्चित करने के लिए सभी प्रयास किए गए हैं। इसके बावजूद, अगर कोई विसंगति आ गई हो, तो ऐसी विसंगतियों को केन्द्रीय विद्युत प्राधिकरण के ध्यान में लाया जाए ताकि तदनुसार उनका परिशोधन किया जा सके।

(ii)

(ii) Increase in electricity generation during 1991-92 by 8.59% over that of previous year. Steam power plants registered an increase in generation of 10.57%, while generation from hydro plants increased by 1.56%.

(iii) Increase of 9.08% in electricity sold to various consumers by Public Utilities during the year as compared to 8.52% during the previous year. The share of energy consumed by the Industrial Sector was 42.04% as compared to 44.24% during the last year. Changes in the pattern of consumption of other categories were insignificant.

(iv) Addition of 4.56 millions new consumers during the year, increasing the total number of consumers of all categories to 74.19 million. The total connected load at the end of the year was of the order of 135665 MW. The per capita consumption of electricity during the year increased to 269.98 Kwh from 252.77 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 487170 representing 84.1% of the total villages in the country as compared to 481124 villages electrified at the end of the previous year which represents 83.1% of total villages.

(vi) The transmission and distribution network was further augmented by adding new T&D lines. The total length of T&D lines increased to 4574200 Ckt. Kms. as on 31.3.92 from 4533414 Ckt. Kms. at the end of the previous year representing an increase of 0.90%. The overall percentage of electricity lost in T&D was 22.83% as compared to 22.89% during the previous year.

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

6. All efforts have been made to ensure accuracy of the material included in this publication. In spite of this, if discrepancies have crept in, they may kindly be brought to the attention of the Central Electricity Authority for rectification.

(iii)

॥7॥ यह सामान्य पुर्नवलोकन, श्री एम.आर्.वेग, सदस्य ॥आर्थिक एवं वाणिज्य॥ श्री एस.एन. जेंडे सदस्य ॥आर्थिक एवं वाणिज्य॥ और श्री बी.एम. रेड्डी सचिव सी.ई.बी. के पूर्ण रूपेण मार्ग दर्शन के अन्तर्गत, केन्द्रीय विद्युत प्राधिकरण के विद्युत आंकडा बैंक एवं सूचना निदेशालय में समेकित किया गया है । मुझे सम्बन्धित अधिकारियों एवं कर्मचारियों द्वारा इस पुर्नवलोकन के प्रकाशन हेतु किये गए अत्युधानी कार्य के लिए प्रसन्नता है । विशेष रूप से ॥ केन्द्रीय विद्युत प्राधिकरण के विद्युत आंकडा बैंक एवं सूचना निदेशालय के सर्वश्री सुन्दर श्याम मैदीरत्ता, निदेशक, नितिश्वर प्रसाद सिंह, शशि कांत शारदा, उप निदेशक धर्मपाल राठी सहायक निदेशक, वेद प्रकाश गुप्त, क0 अभियन्ता, राजेन्द्र सिंह भाटिया, प्रदोश कुमार होम, अतिरिक्त सहायक निदेशक ॥वाणिज्य॥ दिनेश चन्द्र डबराल और श्री अशोक कुमार सख्यकी सहायक द्वारा किए गए विशेष प्रयत्नों का उल्लेख करना चाहूंगा ।

॥8॥ इस प्रकाशन को और अधिक उपयोगी बनाया जा सके इस हेतु आपके महत्वपूर्ण सुझावों का स्वागत है ।

नई दिल्ली

सितम्बर 1993

वाई पी जम्भीर

॥वाई0 पी0 जम्भीर॥

अध्यक्ष

केन्द्रीय विद्युत प्राधिकरण

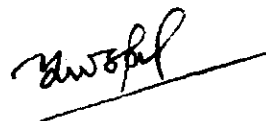
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7. The General Review has been compiled in the Power Data Bank & Information Directorate of the Central Electricity Authority under the overall guidance of Shri M. I. Beg, the then Member (Economic & Commercial), Shri S. N. Shende Member (Economic & Commercial) and Shri B. M. Reddy, Secretary (C.E.B.). I have pleasure in noting the meticulous work done by the concerned officers and staff in bringing out this Review. Special mention may be made of the efforts put in by Shri S.S. Mendiratta, Director; Shri N.P. Singh, Shri S.K. Sharda, Deputy Directors; Shri D.P. Rathee, Assistant Director, Shri V.P.Gupta, Jr.Engineer, Shri R.S. Bhatia & Shri P.K. Home, Extra-Assistant Directors (Commercial) and Shri Ashok Kumar, & Shri D.C. Dabral, Statistical Assistants of Power Data Bank & Information Directorate of the C.E.A.

8. We would welcome any suggestions for improving the publication.

NEW DELHI

September 1993.



(Y.P.GAMBHIR)
CHAIRMAN, C.E.A.

**Overview of
Power Development in the Country
(Utilities)**

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 growth of the power sector in the country from 1950 to the end of 1991-92 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 merely 1713 MW as on 31.12.1950 rose to 42,585 MW at the end of VIth Plan period, thermal constituting 27,030 MW i.e. 63.47%, hydel 14,460 MW i.e. 33.96% nuclear 1,095 MW i.e. 2.57% of the total installed capacity. The total installed capacity rose to 59040 MW & 63636 MW at the end of 1988-89 and 1989-90, the fourth and fifth (last) years of the VIIth Plan respectively. The total installed capacity rose to 69065 MW at the end of 1991-92. The target and achievement during the VIIth Plan are highlighted in para VIII of this "Overview". There has been substantial growth in installed capacity during various five year plans ranging from 28% to as much as 94% over the previous plan period.

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II. GROSS GENERATION.

The gross electricity generation which was 5,107 Gwh during the year ending on 31.12.1950 rose to 1,56,859 Gwh in 1984-85 (last year of VIth Plan period), thermal constituting 98,836 Gwh i.e. 63.01 %, hydel; 53,948 Gwh i.e. 34.39% and nuclear 4075 Gwh i.e. 2.60% of the total generation. The total generation rose to 1,87,714 Gwh during 1986-87 to 2,02,093 Gwh during 1987-88; to 2,21,396 Gwh during 1988-89 and to 2,45,438 Gwh during 1989-90; the second, third, fourth and last year of the VII Plan respectively. The total generation rose to 257029 Gwh during 1991-92. The target and achievement during the VII Plan are highlighted in Para VIII of this " Overview". There has been substantial growth in generation during various five year plans ranging from 40.6% to as much as 97% over the previous plan.

III. CONSUMPTION

The consumption of 4,157 Gwh as on 31.12.1950 rose to 1,14,068 Gwh during 1984-85 i.e. at the end of VIth Plan, to 1,22,999 Gwh in 1985-86 to 1,35,952 Gwh in 1986-87; to 1,45,613 Gwh in 1987-88; to 1,60,196 Gwh in 1988-89 and to 1,75,419 Gwh in 1989-90 i.e. the Ist, IInd, IIId, IVth and the last year of VIIth Plan. The consumption increased to 207645 Gwh in 1991-92. There has been substantial growth in the consumption during every Plan, the percentage varying from 34.5% to as much as 94.6%. The industrial and agricultural categories constitute the major consumers of electricity. The percentage with respect to total consumption varied between 46.3% to 73.5% in the industrial category and from 3.6% to 25.0% in the agricultural sector.

IV RURAL ELECTRIFICATION.

The number of villages electrified also rose from 3,061 representing 0.54% of total villages existing as on 31.3.1951 to as many as 3,70,332 at the end of the VIth Plan i.e. 64.3% of total villages. The cumulative number of villages electrified as on 31.3.1990 i.e. at the end of ;the last year of the VIIth Plan was 4,70,838 indicating 81.3% of lthe total villages. The cumulative number of villages electrified as on 31.3.1992 was 487170 indicating 84.1% of the total villages.

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V. TRANSMISSION & DISTRIBUTION LINES.

The length of transmission and distribution lines rose from 29,271 Ckt. Kms. as on 31.12.1950 to 23,51,609 Ckt. Kms. as on 31.3.1980. This went up further to 45,74,200 Ckt. Kms. at the end of March, 1992. The percentage growth in transmission and distribution lines varied from 9.76% to 243.1%.

VI. PER CAPITA CONSUMPTION.

An important index of power development is in respect of per capita consumption which from merely 15.6 Kwh during 1950 rose to 168.52 Kwh at the end of VIth Plan period i.e. during 1984-85. This went up further to 203.02 Kwh during 1987-88 to 220.94 Kwh during 1988-89 and to 237.95 Kwh during 1989-90 to 252.77 Kwh during 1990-91 and to 269.98 Kwh during 1991-92.

VII. HIGHLIGHTS OF PROPOSAL DURING VIITH FIVE YEAR PLAN (1985-90)

A capacity addition of 22,245.25 MW was envisaged in the VIIth Five Year Plan to increase the installed generating capacity in the country to 64,736.18 MW. This Plan has been formulated keeping in view the long term power demand for the period upto 1994-95 as well as the overall development perspective. The generation from utilities was estimated to be 2,80,400 Gwh in 1989-90 (the last year of the Plan) envisaging a compound annual growth of 12.2%. There was also a programme of electrifying 1.18 lakh villages during the VII Plan bringing the total number of villages under electrification to 4,88,332 which represents 84.28% of the total number of villages in the country. It is also proposed to energise 23.9 lakh pump sets during the VII Five Year Plan.

VIII. ACHIEVEMENT DURING THE VIITH PLAN (1985-90)

A capacity addition of 4,223 MW in generating capacity was achieved during the year 1985-86 as against the target of 4,459.5 MW. A capacity addition of 2,624.5 MW was achieved during the year 1986-87 against the target of 3,396.45 MW. A record addition of 4,929 MW was achieved during the year 1987-88 against the target of 4,916 MW. A capacity addition of 4,885.00 MW was achieved during the year 1988-89 against the target of 4,994.5 MW. A capacity addition of 4,687.7 MW was achieved during the year 1989-90 against the target of 4892.4 MW. Thus the total addition during VIIth Plan was 21349.20 MW against the target of 22245.25 MW which represents 95.97% of the total target

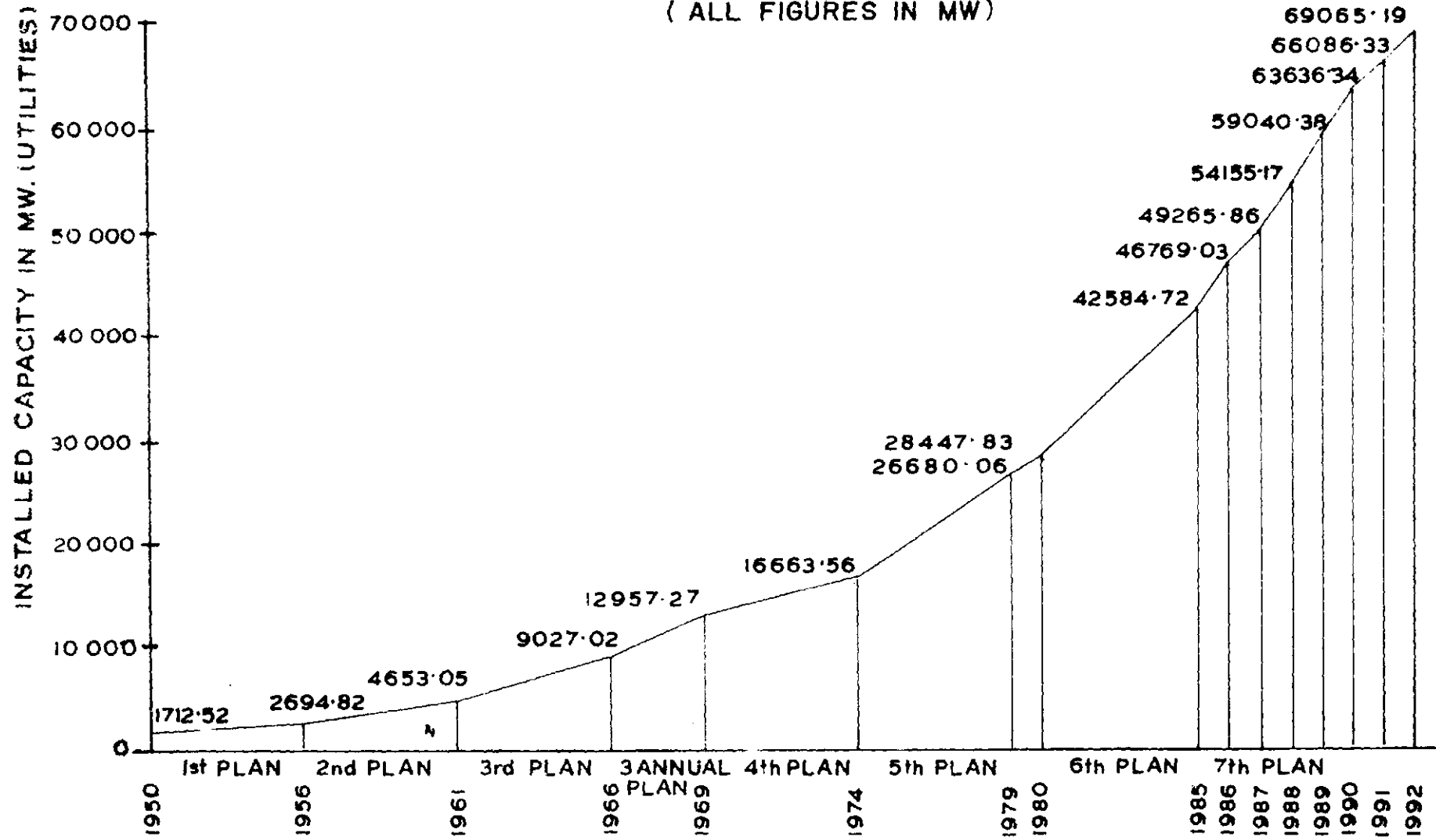
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The generation was 1,70,350 Gwh and exceeded marginally the target of 1,70,000 Gwh during the year 1985-86. The generation was 1,87,714 Gwh during 1986-87 against a programme of 1,90,000 Gwh. The generation was 2,02,093 Gwh during 1987-88 against a programme of 2,05,000 Gwh. The generation was 2,21,396 Gwh during 1988-89 against a programme of 2,26,500 Gwh. The generation was 2,45,438 Gwh during 1989-90 against a programme of 2,51,300 Gwh. Thus the total generation during the VIIth Plan was 1026991 Gwh against the programme of 1042800 Gwh which represents 98.48% of the target.

19,961 villages were electrified during 1985-86; 21,725 during 1986-87; 20808 during 1987-88; 17838 during 1988-89 and 15,335 during 1989-90 bringing the total number of villages electrified to 4,70,838 as on 31.3.1990 (as per 1981 census) representing 81.3% of total villages in the country. 4,43,412; 5,04,566; 5,69,250; 5,93,258 and 5,39,314 irrigation pump sets were energised during 1985-86; 1986-87; 1987-88; 1988-89 and 1989-90 respectively bringing the total to 83,58,363 as on 31.3.1990 representing 69.65% of the total irrigation pump sets potential of 12 million.

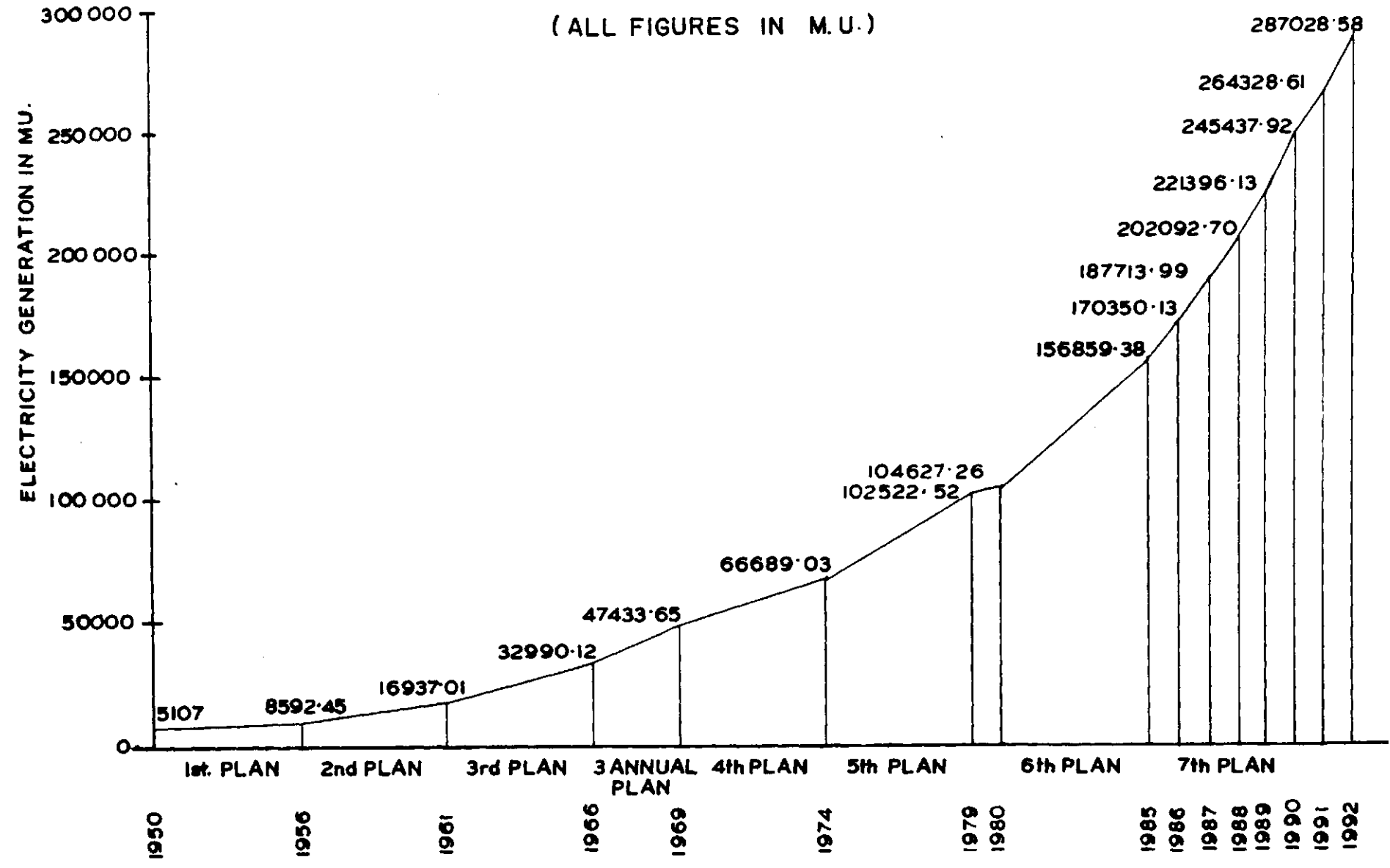
ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES) PLAN WISE

(ALL FIGURES IN MW)



ALL INDIA GROSS ELECTRICITY GENERATION (UTILITIES) PLAN WISE

(ALL FIGURES IN M.U.)



ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES)

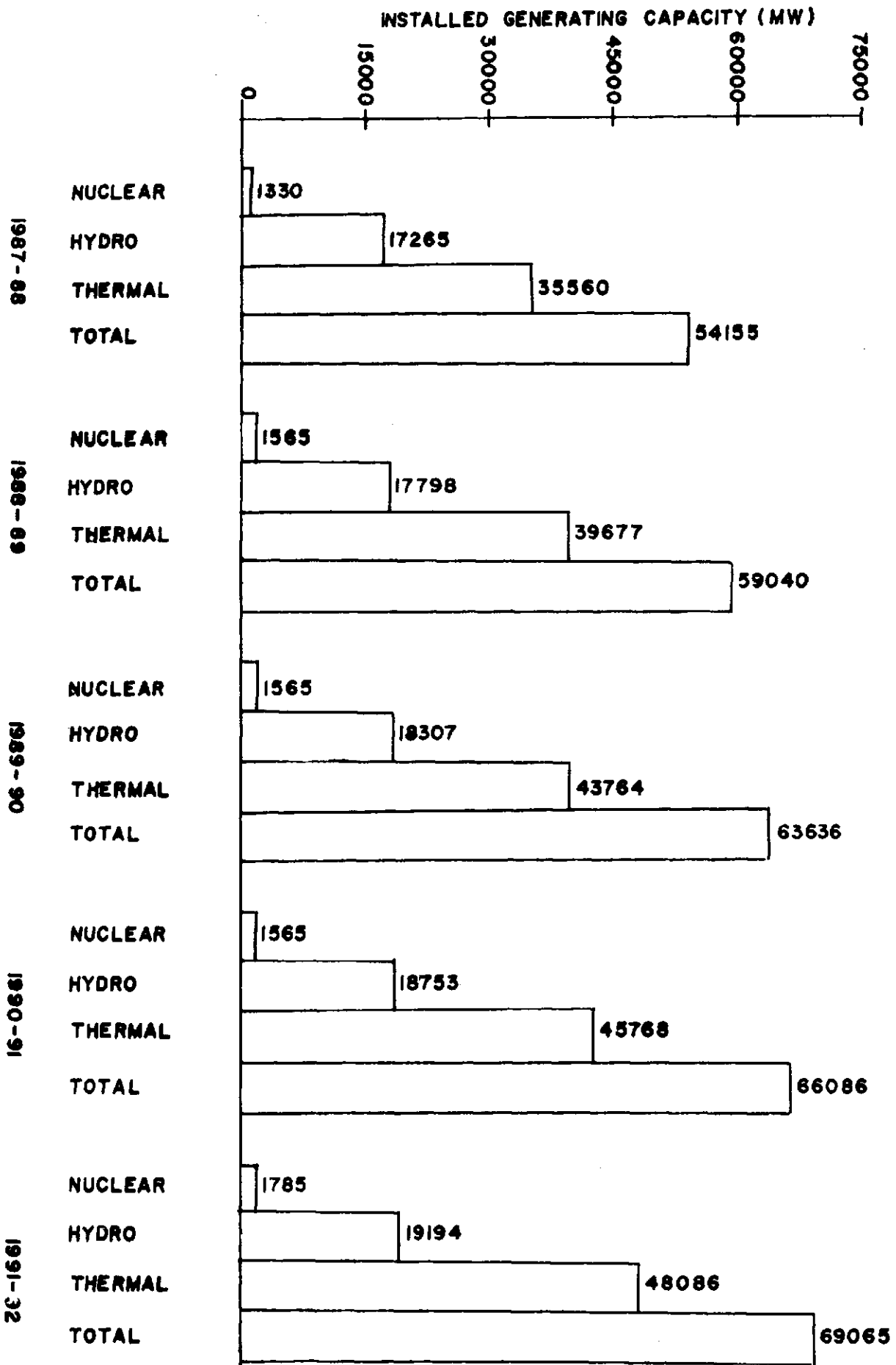


TABLE No. 1.
PLANWISE GROWTH OF POWER SECTOR IN THE COUNTRY-UTILITIES

	Ist Plan ending on 31.12.50	IInd Plan ending on 31.3.56 *	IIIrd Plan ending on 31.3.61 **	IIIrd Plan ending on 31.3.66	Three Annual Plans ending on 31.3.69	IVth Plan ending on 31.3.74	Vth Plan ending on 31.3.79	Annual Plan ending on 31.3.80	Vth Plan ending on 31.3.85	VIth Plan ending on 31.3.90	VIth Plan ending on 31.3.92
Installed Capacity (MW)	1713	2695 (57.3)	4653 (72.7)	9027 (94.0)	12957 (43.5)	16664 (28.6)	26682 (60.1)	28448 (6.6)	42585 (49.7)	63636 (49.4)	69065 (8.53)
Gross Generation (GWH) (A)	5107	8592 (68.2)	16937 (97.1)	32990 (94.8)	47434 (43.8)	66689 (40.6)	102523 (53.7)	104627 (2.1)	156859 (49.9)	245438 (56.5)	287029 (16.95)
Consumption(GWH) (A)	4157	7111 (71.1)	13841 (94.6)	26735 (93.2)	37352 (39.7)	50246 (34.5)	77293 (53.8)	78084 (1.0)	114068 (46.1)	175419 (53.8)	207645 (8.37)
No. of villages electrified	3061 (\$)	7294 (138.3)	21754 (198.2)	45148 (107.6)	73739 (63.3)	156729 (112.5)	232770 (48.5)	249799 (7.3)	370332 (48.2)	470838 (27.1)	487170 (3.47)
Length of T&D Lines (Ckt. Kms)	29271 (@)	@ 66421 (126.9)	@ 157887 (137.7)	541704 (243.1)	836307 (54.4)	1546097 (84.9)	2145919 (38.8)	2351609 (9.6)	3211956 (36.6)	4407501 (37.2)	4574200 (3.78)
Per capita consump- tion (Utilities+ Non-utilities)(KWH) (A)	15.55	26.40 (69.8)	37.90 (43.6)	61.30 (61.7)	77.88 (27.0)	97.48 (25.2)	130.94 (34.3)	130.49 (-0.3)	168.52 (29.1)	237.95 (41.2)	269.98 (13.46)

Note:-* Figures for the Ist Plan period are from 1.1.51 to 31.12.55.

** Figures for the IInd 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.

@@ Source:- VII Plan document issued by Planning Commission (P.14) Vol.1

(\$) Figures ending March, 1951.

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

TABLE NO. II
 INSTALLED GENERATING CAPACITY IN THE COUNTRY
 PRIMEMOVERWISE (UTILITIES ONLY)

YEAR	TOTAL INSTALLED CAPACITY (M.W.)			
	TOTAL	HYDRO	THERMAL (Including Diesel Wind, Gas, Steam)	NUCLEAR
1	2	3	4	5
1950	1712.52 (100.00)	559.29 (32.66)	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	2694.82 (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	9027.02 (100.00)	4123.74 (45.68)	4903.28 (54.32)	0.00 0.00
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)

1	2	3	4	5
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)	8876.30 (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)
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 (64.08)	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	63636.34 (100.00)	18307.63 (28.77)	43763.71 (68.77)	1565.00 (2.46)
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)

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

TABLE No. III
GROSS ELECTRICITY GENERATION IN THE COUNTRY
PRIMEMOVERWISE (UTILITIES ONLY)

Page No. 8

YEAR	TOTAL GROSS GENERATION (GWH)			
	TOTAL	HYDRO	THERMAL (Including Diesel Wind, Gas, Steam)	NUCLEAR
1	2	3	4	5
1950	5106.70	2519.77 (49.34)	2586.93 (50.66)	0.00
1951	5858.40	2859.70 (48.81)	2998.70 (51.19)	0.00
1952	6120.35	2799.13 (45.73)	3321.22 (54.27)	0.00
1953	6697.19	2913.86 (43.51)	3783.33 (56.49)	0.00
1954	7521.78	3236.52 (43.03)	4285.26 (56.97)	0.00
1955	8592.43	3742.24 (43.55)	4850.21 (56.45)	0.00
1956	9662.13	4294.87 (44.45)	5367.26 (55.55)	0.00
1957-58	11369.14	5072.24 (44.61)	6296.90 (55.39)	0.00
1958-59	12993.89	5848.10 (45.01)	7145.79 (54.99)	0.00
1959-60	15032.95	7027.42 (46.75)	8005.53 (53.25)	0.00
1960-61	16937.01	7836.58 (46.27)	9100.43 (53.73)	0.00
1961-62	19669.95	9814.38 (49.90)	9855.57 (50.10)	0.00
1962-63	22364.97	11804.54 (52.78)	10560.43 (47.22)	0.00
1963-64	26817.57	13956.70 (52.04)	12860.87 (47.96)	0.00
1964-65	29563.08	14798.85 (50.56)	14764.23 (49.94)	0.00
1965-66	32990.12	15224.97 (46.15)	17765.15 (53.85)	0.00
1966-67	36375.59	16734.10 (46.00)	19641.49 (54.00)	0.00
1967-68	41194.64	18658.06 (45.29)	22536.58 (54.71)	0.00
1968-69	47433.65	20722.67 (43.69)	26710.98 (56.31)	0.00
1969-70	51988.72	23046.05 (44.33)	27603.67 (53.10)	1339.00 (2.57)

1	2	3	4	5
1970-71	55827.64	25248.24 (45.23)	28162.02 (50.44)	2417.38 (4.33)
1971-72	60925.63	28024.22 (46.00)	31712.09 (52.05)	1189.32 (1.95)
1972-73	64546.00	27195.95 (42.13)	36217.31 (56.11)	1132.74 (1.76)
1973-74	66689.03	28971.84 (43.45)	35320.83 (52.96)	2396.36 (3.59)
1974-75	70190.53	27875.18 (39.72)	40109.26 (57.14)	2206.09 (3.14)
1975-76	79230.92	33301.77 (42.03)	43302.64 (54.65)	2626.51 (3.32)
1976-77	88333.31	34836.13 (39.43)	50244.90 (56.89)	3252.28 (3.68)
1977-78	91369.03	38007.16 (41.60)	51089.70 (55.91)	2272.17 (2.49)
1978-79	102522.52	47158.86 (46.00)	52593.98 (51.30)	2769.68 (2.70)
1979-80	104627.26	45477.55 (43.47)	56273.12 (53.78)	2876.59 (2.75)
1980-81	110843.96	46541.76 (41.99)	61300.86 (55.30)	3001.34 (2.71)
1981-82	122101.43	49564.93 (40.60)	69515.61 (56.93)	3020.89 (2.47)
1982-83	130263.58	48373.38 (37.13)	79868.26 (61.32)	2021.94 (1.55)
1983-84	140177.36	49954.27 (35.64)	86677.03 (61.83)	3546.06 (2.53)
1984-85	156859.38	53948.25 (34.39)	98836.30 (63.01)	4074.83 (2.60)
1985-86	170350.13	51020.78 (29.95)	114347.47 (67.12)	4981.88 (2.93)
1986-87	187713.99	53840.86 (28.68)	128851.39 (68.65)	5021.74 (2.67)
1987-88	202092.70	47444.37 (23.48)	149613.61 (74.03)	5034.72 (2.49)
1988-89	221396.13	57867.89 (26.14)	157711.13 (71.23)	5817.11 (2.63)
1989-90	245437.92	62116.09 (25.31)	178696.45 (72.81)	4625.38 (1.88)
1990-91	264328.61	71641.31 (27.11)	186546.20 (70.57)	6141.10 (2.32)
1991-92	287028.58	72757.09 (25.35)	208747.09 (72.73)	5524.40 (1.92)

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

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	4156.66	524.59 (12.60)	308.75 (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)	399.10 (7.10)	3613.22 (64.60)	358.32 (6.40)	214.12 (3.80)	321.80 (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)	4698.30 (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)	316.18 (4.00)	434.85 (5.50)
1957-58	9345.22	1093.63 (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)	7224.05 (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)	934.09 (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)	13109.81 (70.20)	723.84 (3.90)	1103.52 (5.90)	775.38 (4.10)
1963-64	21793.98	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)	1650.06 (6.20)	18875.87 (70.60)	1057.29 (4.00)	1891.84 (7.10)	904.73 (3.30)
1966-67	29127.64	2626.72 (9.00)	1819.62 (6.20)	20390.80 (70.00)	1180.22 (4.10)	2106.50 (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	41061.70	3491.00 (8.60)	2333.33 (5.70)	28378.66 (69.10)	1448.32 (3.50)	3774.11 (9.20)	1636.28 (3.90)

1	2	3	4	5	6	7	8
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 (9.8)	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	66608.57	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	6821.31 (9.85)	4427.59 (6.39)	42635.20 (61.57)	2296.81 (3.32)	10107.36 (14.59)	2966.76 (4.28)
1978-79	77292.82	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)	4656.58 (5.95)	45955.48 (58.86)	2301.15 (2.95)	13452.00 (17.23)	3316.18 (4.25)
1980-81	82367.18	9246.43 (11.23)	4681.84 (5.68)	48069.35 (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	95588.57	12091.63 (12.65)	5846.25 (6.12)	52967.36 (55.41)	2632.60 (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 (14.08)	7290.10 (5.93)	66980.06 (54.46)	3182.14 (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	160196.43	24767.67 (15.46)	9915.17 (6.19)	75411.64 (47.08)	3772.26 (2.35)	38878.37 (24.27)	7451.32 (4.65)
1989-90	175418.95	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	190357.39	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)

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

TABLE NO. V

NUMBER OF VILLAGES ELECTRIFIED, T&D LINES AND PER
CAPITA CONSUMPTION IN THE COUNTRY

YEAR	No. of Villages Electrified * *	Transmission & Distribution Lines (Ckt.Kms)	Per capita Consumption (Utility +Non utility) (KWH)
1950	N.A.	29271	15.60
1951	3061 @	39064	17.80
1952	N.A.	43945	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	886301	77.90
1969-70	88831	976059	83.50
1970-71	104942	1117163	89.80
1971-72	122100	1304169	93.80
1972-73	139560	1418364	96.30
1973-74	156729	1546097	97.48
1974-75	173533	1621848	98.99
1975-76	185808	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	470826	4407501	237.95
1990-91	481124	4533414	252.77
1991-92	487170	4574200	269.98

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

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

@ Figures ending March.

N.A. : Not Available.

SECTION I

Organisational Structure of Electricity Supply Industry in India

SECTION - 1
-----ORGANISATIONAL STRUCTURE OF ELECTRICITY SUPPLY INDUSTRY
IN INDIA

During the year under review, there was no change in the number of State Electricity Boards, which remained 18. All the States except Goa, Sikkim, Arunachal Pradesh, Manipur, Nagaland, Tripura and Mizoram have State Electricity Boards. During the year 1991-92 no undertaking was acquired. No new Private Licensee (including Co-operative Society) was formed in any of the States. Thus, there were in all 49 Private Licensees (including Co-operative Societies) and 10 Municipal Licensees operating at the end of the Year 1991-92. Out of 49 Private Licensees, 39 were Co-operative 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 Est abishment
NORTHERN REGION			
1.	Haryana	Haryana S.E.B.Chandigarh	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
WESTERN REGION			
7.	Gujarat	Gujarat Electy. Board,Baroda	01.05.1960
8.	Madhya Pradesh.	Madhya Pradesh E.B.,Jabalpur	01.04.1957
9.	Maharashtra	Maharashtra S.E.B.,Bombay	20.06.1960
SOUTHERN REGION			
10.	Andhra Pradesh	Andhra Pradesh S.E.B.,Hyderabad	01.04.1959
11.	Karnataka	Karnataka Elecy Board,Bangalore	30.09.1957
12.	Kerala	Kerala S.E.B.,Thiruvananthapuram	31.03.1957
13.	Tamil Nadu	Tamil Nadu Elecy.Board,Madras	01.07.1957
EASTERN REGION			
14.	Bihar	Bihar State Elecy.Board,Patna	01.04.1958
15.	Orissa	Orissa State Elecy.Board Bhubaneshwar.	01.03.1961
16.	West Bengal	West Bengal State Elecy.Board Calcutta	01.05.1956
NORTH-EASTERN REGION			
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

TABLE No. 2

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

Sl. No.	Name	Location of Head Quarter	Ownership
(A) GENERATING UNDERTAKINGS:			
1.	National Thermal Power Corpn.	New Delhi	Central Government
2.	National Hydro Electric Power Corporation.	New Delhi	Central Government
3.	North Eastern Electric Power Corporation Ltd.	Shillong	Central Government
4.	Nuclear Power Corporation	Bombay	Central Government
5.	Neyveli Lignite Corporation	Neyveli	Central Government
6.	Damodar Valley Corporation	Calcutta	Central Government
7.	Karnataka Power Corporation	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 Govts.
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. Govt.
14.	Gujarat Energy Development Agency	Vadodara	Gujarat
15.	West Bengal Power Development Corp.	Calcutta	West Bengal Govt.
16.	Orissa Power Generation Corp. Ltd.	Bhubaneshwar	Orissa Govt.
17.	Rengoli & Upper Kolab Hydro Electric Power Stations	Bhubaneshwar	Orissa Govt.
18.	Power Grid Corporation of India Ltd.	New Delhi	Central Govt.
19.	A.P. Gas Power Corporation	Hyderabad	Joint venture of A.P.S.E.B./Public Sector & Private Industries.

TABLE No. 2 (Contd.)

1	2	3	4
(B) STATE ELECTRICITY DEPARTMENTS			
1. Goa		Panaji	State Govt.
2. Sikkim		Gangtok	State Govt.
3. Manipur		Imphal	State Govt.
4. Nagaland		Kohima	State Govt.
5. Tripura		Agartala	State Govt.
6. Arunachal Pradesh		Itanagar	State Govt.
7. Mizoram		Aizwal	State Govt.
(C) UNION TERRITORIES			
1. Andaman & Nicobar Islands		Port Blair	Electricity Departments of Union Territories
2. Chandigarh		Chandigarh	
3. Dadra & Nagar Haveli *		Silvasa	
4. Daman & Diu *		Moti (Daman)	
5. Lakshadweep		Cochin	
6. Pondicherry		Pondicherry	

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

*Non-Generating Undertakings.

DISTRIBUTION OF LICENSEE UNDERTAKINGS -- AS ON 31.3.1992

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	3	3
3.	Uttar Pradesh	0	0	1	1
	TOTAL Northern Region	0	0	5	5
(B) WESTERN REGION					
1.	Gujarat	1	2	0	3
2.	Madhya Pradesh	0	0	17	17
3.	Maharashtra	0	1	2	3
	TOTAL Western Region	1	3	19	23
(C) SOUTHERN REGION					
1.	Andhra Pradesh	0	0	9	9
2.	Karnataka	0	0	1	1
3.	Kerala	0	0	1	1
4.	Tamil Nadu	0	0	3	3
	TOTAL Southern Region	0	0	14	14
(D) EASTERN REGION					
1.	Bihar	0	0	1	1
2.	Orissa	0	0	1	1
3.	West Bengal	0	4	1	5
	TOTAL Eastern Region	0	4	3	7
(E) NORTH-EASTERN REGION					
		0	0	0	0
Total (All India)		1	7	41	49

TABLE No. 4
DISTRIBUTION OF MUNICIPAL UNDERTAKINGS - AS ON 31.3.1992

S. No.	Region/State	Number of Municipalities			Total
		Generating & Distributing	Generating Purchasing & Distributing	Purchasing & Distributing	
(A) NORTHERN REGION					
1.	Punjab	0	0	1	1
2.	Delhi	0	1	1	2
TOTAL Northern Region		0	1	2	3
(B) WESTERN REGION					
1.	Gujarat	0	0	0	0
2.	Maharashtra	0	0	1	1
TOTAL Western Region		0	0	1	1
(C) SOUTHERN REGION					
1.	Kerala	0	0	1	1
2.	Tamil Nadu	0	0	5	5
TOTAL Southern Region		0	0	6	6
(D) EASTERN REGION		0	0	0	0
(E) NORTH-EASTERN REGION		0	0	0	0
Total (All India)		0	1	9	10

TABLE NO. 5

ACQUISITION OF ELECTRICITY SUPPLY UNDERTAKINGS
DURING 1991-92

Sl. No.	Name of the Undertaking	Prior Ownership	Date of acquisition	By whom acquired
No Electricity Supply Undertaking was acquired during the year 1991-92				

TABLE NO. 6

NEW ELECTRICITY SUPPLY UNDERTAKING STARTED
OPERATING DURING THE YEAR 1991-92

Sl. No.	Name and Address of New Undertaking	State	Date from which licence/sanction is effective
No New Electricity Supply Undertaking started operating during the Year 1991-92			

SECTION II

Generating Capacity (Utilities)

SECTION - II

INSTALLED GENERATING CAPACITY

During the year under review installed generating capacity under Public Utilities in the country increased to 69065.19 MW as on 31.3.1992 as compared to 66086.33 MW as on 31st March, 1991 registering an increase of 4.51% over the previous year.

After taking into account a few retirements of old generating sets during the year, the net addition in generating capacity amounted to 2978.86 MW.

Generating capacity of steam stations continued to form the largest portion of the installed generating capacity followed by Hydro, Nuclear, Gas and Diesel generating stations. The relative percentage of generating capacity of steam, hydro, gas, nuclear and diesel generating stations were 64.86%, 27.79%, 4.48%, 2.58% and 0.29%.

There were 104 steam stations and 275 hydro stations having 356 and 805 Nos. of generating sets with total capacity of 44791.48 MW and 19194.31 MW respectively as on 31st March, 1992.

Besides power stations of public utilities, generating capacity of captive plants of various selected industries registered an increase of 7.84% during the year 1991-92. Generating capacity of captive plants increased from 8501.59 MW to 9168.18 MW comprising 4.30 MW of hydro; 5,377.10 MW of steam 495.72 MW of gas turbine and 3291.06 MW of diesel.

In addition to the above, captive plants of 133.23 MW captive generating capacity were owned by the Railways. The total installed generating capacity in the country including those of captive plants of selected industries and Railways was 78366.60 MW on 31st March, 1992.

The various tables in this section give the detailed salient features of the installed generating capacity in the country as on 31st March, 1992.

TABLE No. 7

ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES AND NON-UTILITIES)
PRIMEMOVERWISE - AS ON 31ST MARCH, 1992.

Category	Year ending	Installed Generating Capacity (MW)					
		Total	Hydro	Steam	Diesel & Wind	Gas	Nuclear
Utilities	31.3.92	69065.19	19194.31	44791.48	199.40	3095.00	1785.00
	31.3.91	66086.33	18753.42	43003.98	211.93	2552.00	1565.00
	%increase	4.51	2.35	4.16	-5.91	21.28	14.06
Non-Utilities							
I. Selected Industries *	31.3.92	9168.18	4.30	5377.10	3291.06	495.72	0.00
	31.3.91	8501.59	3.60	4991.07	3031.67	475.25	0.00
	%increase	7.84	19.44	7.73	8.56	4.31	0.00
II. Railways	31.3.92	133.23	0.00	18.96	114.27	0.00	0.00
	31.3.91	110.76	0.00	18.96	91.80	0.00	0.00
	%increase	20.29	0.00	0.00	24.48	0.00	0.00
Total Non-Utilities (I & II)	31.3.92	9301.41	4.30	5396.06	3405.33	495.72	0.00
	31.3.91	8612.35	3.60	5010.03	3123.47	475.25	0.00
	%increase	8.00	19.44	7.71	9.02	4.31	0.00
All India Capacity							
(Utilities + Non-Utilities)	31.3.92	78366.60	19198.61	50187.54	3604.73	3590.72	1785.00
	31.3.91	74698.68	18757.02	48014.01	3335.40	3027.25	1565.00
	%increase	4.91	2.35	4.53	8.07	18.61	14.06

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

TABLE No. 8
ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEMOVERWISE AS ON 31.3.1992

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	15048.39	21.79	2.03
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt.Sector	3869.92	5.60	3.78
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	18918.31	27.39	2.39
	Private Sector			
d)	Companies	276.00	0.40	0.00
	Total (Hydro)	19194.31	27.79	2.35
II.	STEAM Public Sector			
a)	State Electricity Boards	25878.50	37.47	4.40
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt.Sector	16042.50	23.23	4.09
c)	Municipalities	371.60	0.54	0.00
	Sub-Total Public Sector	42292.60	61.24	4.24
	Private Sector			
d)	Companies	2498.88	3.62	2.78
	Total (Steam)	44791.48	64.86	4.16
III.	DIESEL & WIND Public Sector			
a)	State Electricity Boards	96.30	0.14	-7.69
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt.Sector	101.16	0.15	-4.27
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	197.46	0.29	-5.97
	Private Sector			
d)	Companies	1.94	0.00	0.00
	Total (Diesel & Wind)	199.40	0.29	-5.97

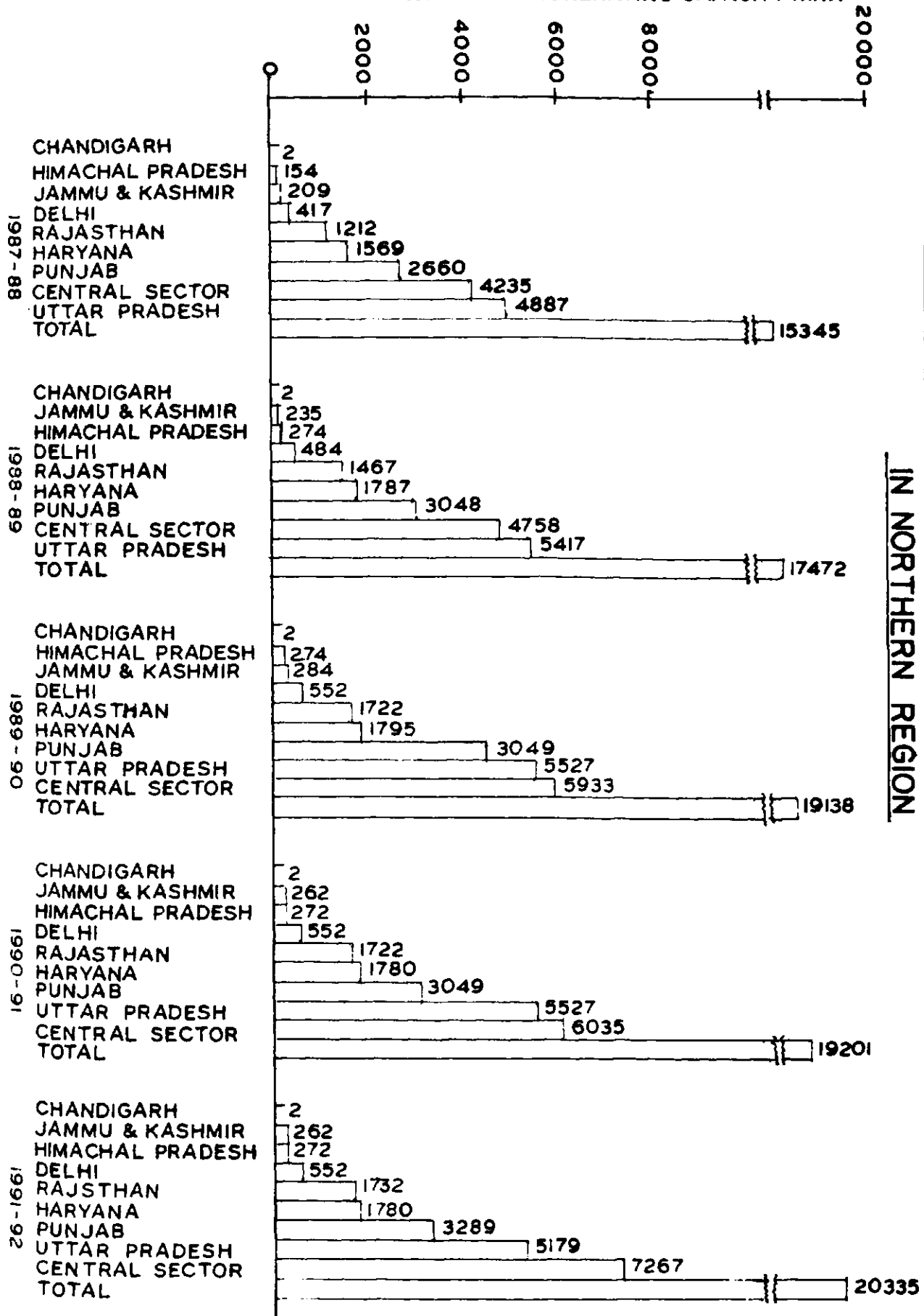
TABLE No. 8 (Contd.)
ALL INDIA INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEOVERWISE AS ON 31.3.1992

Page No 23

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	1121.50	1.62	3.32
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt.Sector	1654.50	2.40	31.99
c)	Municipalities	180.00	0.26	0.00
	Sub-Total Public Sector	2956.00	4.28	17.35
	Private Sector			
d)	Companies	139.00	0.20	321.21
	Total (Gas)	3095.00	4.48	21.28
V.	NUCLEAR Public Sector			
a)	State Electricity Boards	0.00	0.00	0.00
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt.Sector	1785.00	2.58	14.06
c)	Municipalities	0.00	0.00	0.00
	Sub-Total Public Sector	1785.00	2.58	14.06
	Private Sector			
d)	Companies	0.00	0.00	0.00
	Total (Nuclear)	1785.00	2.58	14.06
VI.	GRAND TOTAL (I+II+III+IV+V) Public Sector			
a)	State Electricity Boards (18 Nos.)	42144.69	61.02	3.48
b)	Electricity Deptts./Govt. Undertakings/Corporations/ Central Govt.Sector (32 Nos.)	23453.08	33.96	6.29
c)	Municipalities (10 Nos.)	551.60	0.80	0.00
	Sub-Total Public Sector (60 Nos.)	66149.37	95.78	4.43
	Private Sector			
d)	Companies (49 Nos.)	2915.82	4.22	6.33
	Total (All India)(109 Nos.)	69065.19	100.00	4.51

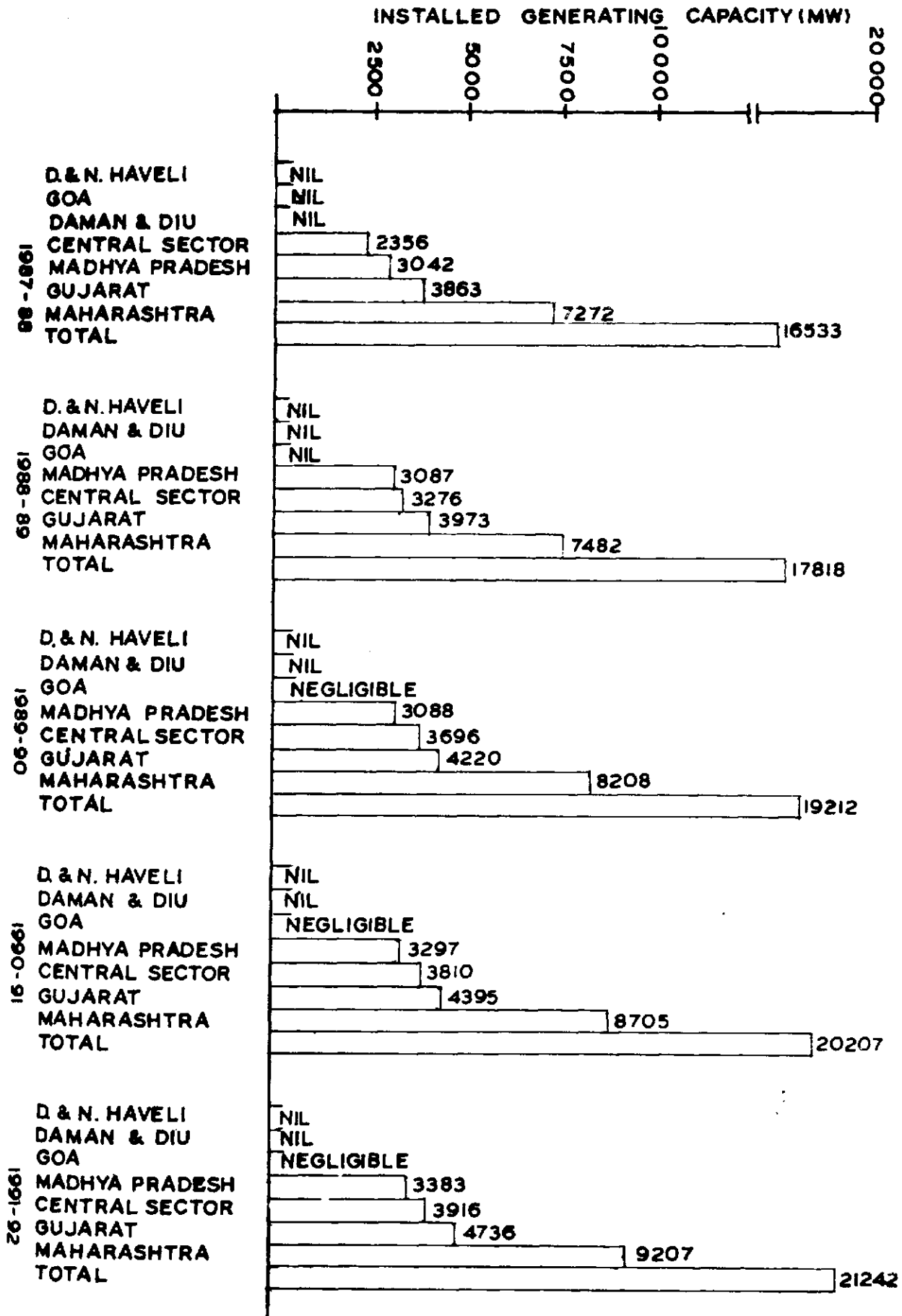
Note:- Figures within brackets shows number of undertakings.

INSTALLED GENERATING CAPACITY (MW)

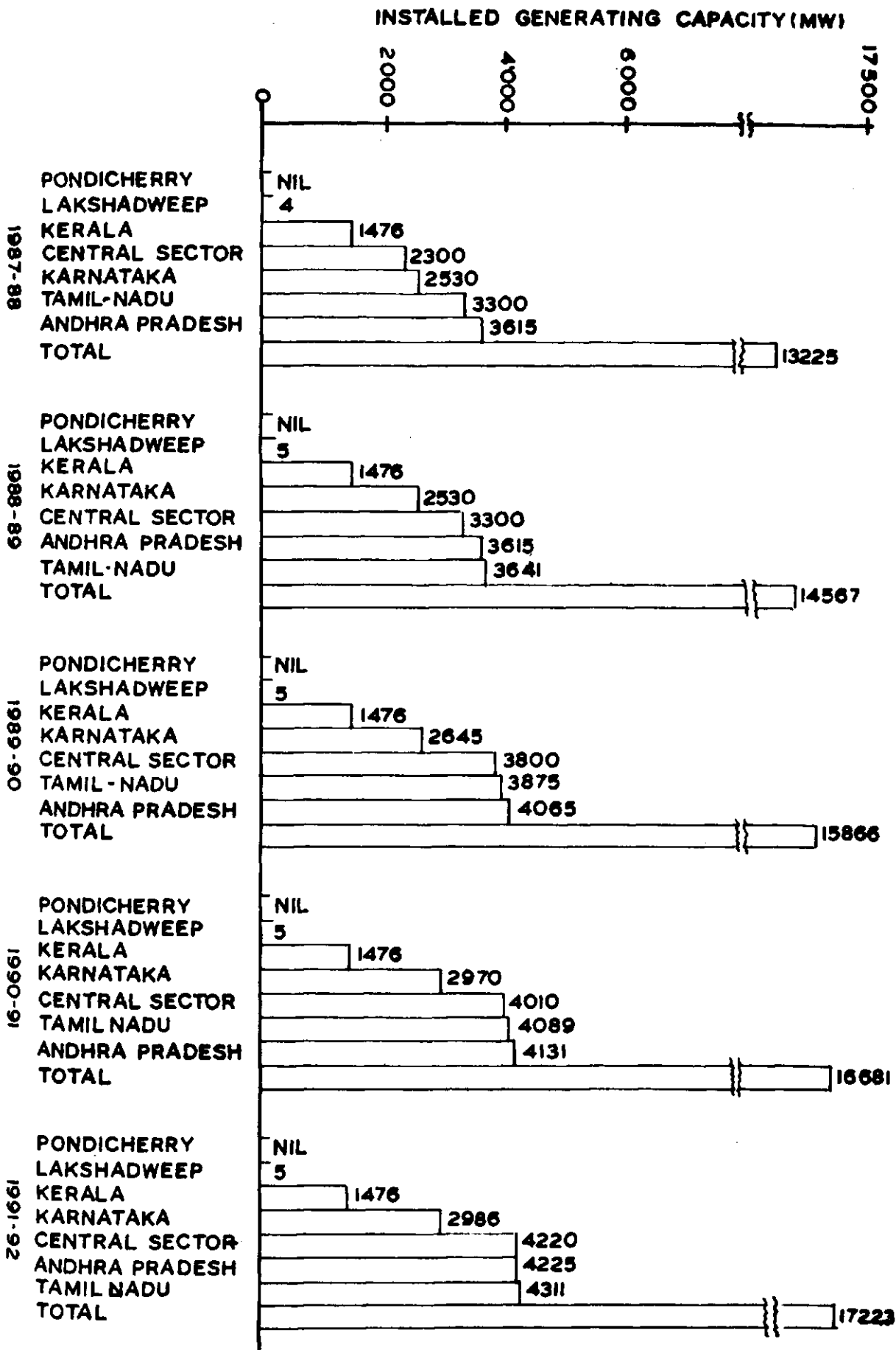


INSTALLED GENERATING CAPACITY (UTILITIES)
IN NORTHERN REGION

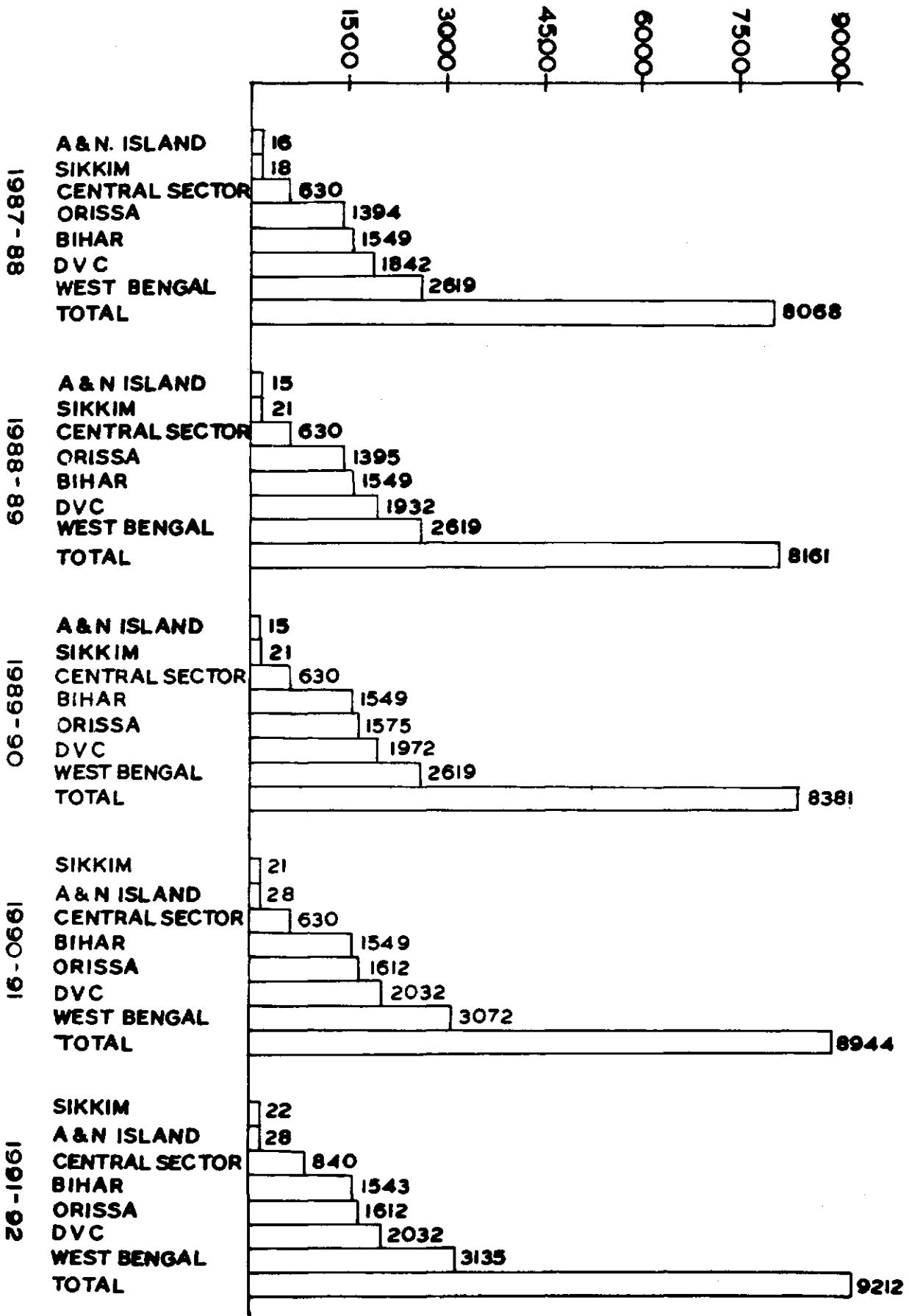
INSTALLED GENERATING CAPACITY UTILITIES IN WESTERN REGION



INSTALLED GENERATING CAPACITY (UTILITIES) IN SOUTHERN REGION

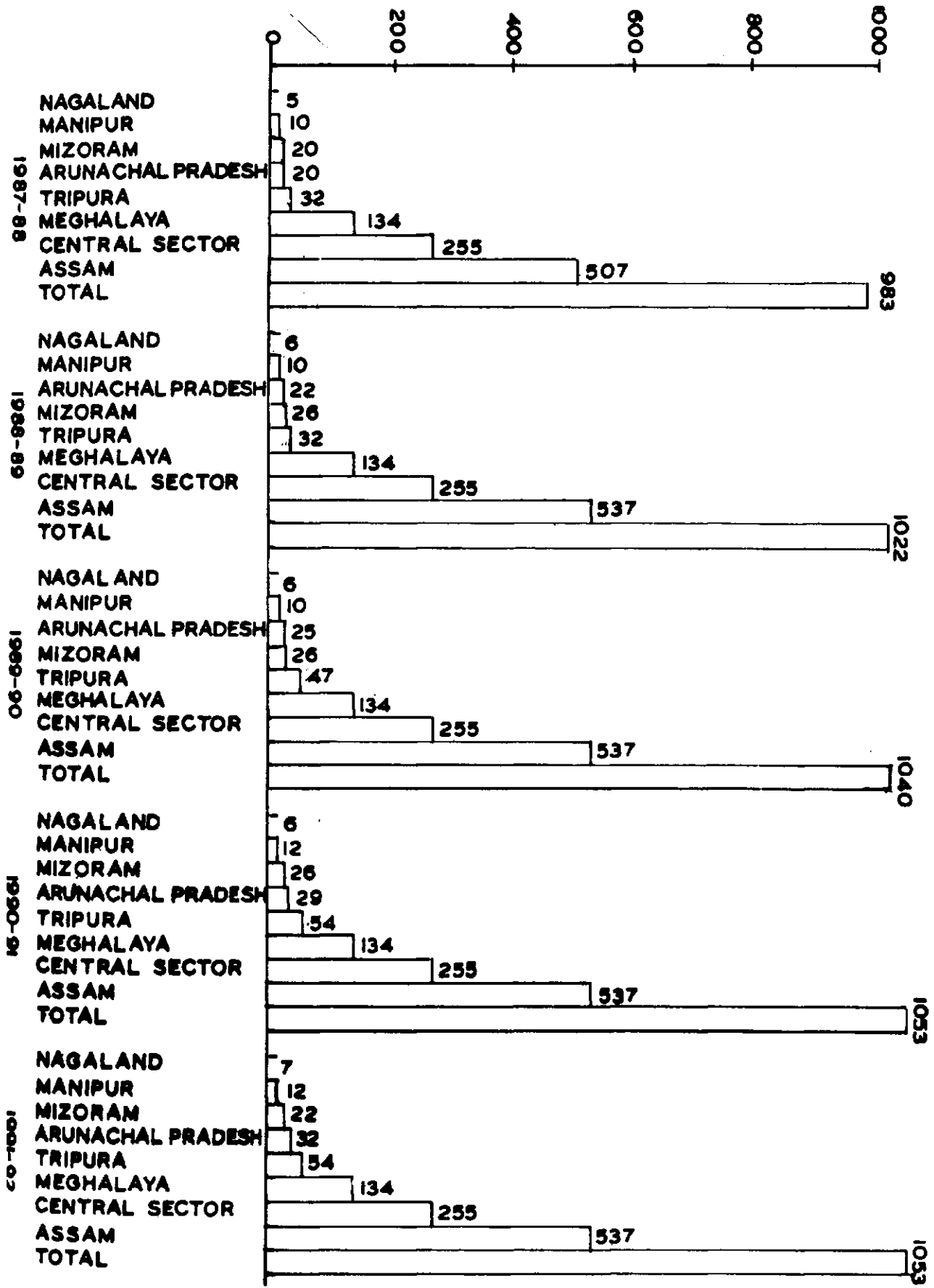


INSTALLED GENERATING CAPACITY (MW)



INSTALLED GENERATING CAPACITY (UTILITIES) IN EASTERN REGION

INSTALLED GENERATING CAPACITY (MW)



INSTALLED GENERATING CAPACITY (UTILITIES) IN NORTH-EASTERN REGION

ALL INDIA TOTAL INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
REGIONWISE/STATEWISE AS ON 31st MARCH 1992

(IN MW)

Region	State/U.Ts.	TOTAL CAPACITY		
		31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	1780.32	1780.32	0.00
	Himachal Pradesh	272.34	272.34	0.00
	Jammu & Kashmir	262.07	262.07	0.00
	Punjab	3288.94	3048.94	7.87
	Rajasthan	1731.93	1721.93	0.58
	Uttar Pradesh	5179.24	5527.24	-6.30
	Chandigarh	2.00	2.00	0.00
	Delhi	551.60	551.60	0.00
	Central Sector	7267.00	6035.00	20.41
	Sub-Total	20335.44	19201.44	5.91
WESTERN REGION	Gujarat	4736.67	4394.67	7.78
	Madhya Pradesh	3382.59	3297.59	2.58
	Maharashtra	9206.72	8704.72	5.77
	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	3916.00	3810.00	2.78
	Sub-Total	21242.14	20207.14	5.12
SOUTHERN REGION	Andhra Pradesh	4224.44	4130.44	2.28
	Karnataka	2986.20	2970.20	0.54
	Kerala	1476.50	1476.50	0.00
	Tamil Nadu	4310.53	4089.03	5.42
	Lakshadweep	5.12	5.08	0.79
	Pondicherry	0.00	0.00	0.00
	Central Sector	4220.00	4010.00	5.24
	Sub-Total	17222.79	16681.25	3.25
EASTERN REGION	Bihar	1543.50	1549.43	-0.38
	Orissa	1611.92	1611.92	0.00
	West Bengal	3135.39	3071.48	2.08
	D.V.C.	2031.50	2031.50	0.00
	A.&N. Islands	28.03	28.20	-0.60
	Sikkim	21.59	21.39	0.94
	Central Sector	840.00	630.00	33.33
	Sub-Total	9211.93	8943.92	3.00
NORTH EASTERN REGION	Assam	537.19	537.19	0.00
	Manipur	12.01	12.01	0.00
	Meghalaya	133.76	133.76	0.00
	Nagaland	6.82	6.12	11.44
	Tripura	53.36	53.36	0.00
	Arunachal Pradesh	32.31	29.35	10.09
	Mizoram	22.43	25.78	-12.99
Central Sector	255.01	255.01	0.00	
	Sub-Total	1052.89	1052.58	0.03
	Total (All India)	69065.19	66086.33	4.51

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

TABLE No. 10

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

PUBLIC SECTOR				
STATE ELECTRICITY BOARDS				
Region	State/U.Ts.	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	1780.32	1780.32	0.00
	Himachal Pradesh	272.34	272.34	0.00
	Jammu & Kashmir	262.07	262.07	0.00
	Punjab	3288.94	3048.94	7.87
	Rajasthan	1731.93	1721.93	0.58
	Uttar Pradesh	5179.24	5107.24	1.41
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	12514.84	12192.84	2.64
WESTERN REGION	Gujarat	4172.48	3896.48	7.08
	Madhya Pradesh	3382.59	3297.59	2.58
	Maharashtra	7593.22	7091.22	7.08
	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	15148.29	14285.29	6.04
SOUTHERN REGION	Andhra Pradesh	3987.51	3926.51	1.55
	Karnataka	206.20	206.20	0.00
	Kerala	1476.50	1476.50	0.00
	Tamil Nadu	4310.53	4089.03	5.42
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	9980.74	9698.24	2.91
EASTERN REGION	Bihar	1543.50	1549.43	-0.38
	Orissa	1137.50	1137.50	0.00
	West Bengal	1148.87	1192.46	-3.66
	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	3829.87	3879.39	-1.28
NORTH EASTERN REGION	Assam	537.19	537.19	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	133.76	133.76	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	670.95	670.95	0.00
	Total (All India)	42144.69	40726.71	3.48

Contd....

TABLE No.10(Contd.)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

PUBLIC SECTOR				
ELECTRICITY DEPTTS. / GOVT.UNDER TAKINGS				
Region	State/U.Ts.	31.3.92	31.3.91	% 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	420.00	-100.00
	Chandigarh	2.00	2.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	7267.00	6035.00	20.41
	Sub-Total	7269.00	6457.00	12.58
WESTERN REGION	Gujarat	13.39	13.39	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	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	3916.00	3810.00	2.78
	Sub-Total	3929.55	3823.55	2.77
SOUTHERN REGION	Andhra Pradesh	236.93	203.93	16.18
	Karnataka	2780.00	2764.00	0.58
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	5.12	5.08	0.79
	Pondicherry	0.00	0.00	0.00
	Central Sector	4220.00	4010.00	5.24
	Sub-Total	7242.05	6983.01	3.71
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	474.42	474.42	0.00
	West Bengal	1235.00	1235.00	0.00
	D.V.C.	2031.50	2031.50	0.00
	A.&N. Islands	28.03	28.20	-0.60
	Sikkim	21.59	21.39	0.94
	Central Sector	840.00	630.00	33.33
	Sub-Total	4630.54	4420.51	4.75
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	6.82	6.12	11.44
	Tripura	53.36	53.36	0.00
	Arunachal Pradesh	32.31	29.35	10.09
	Mizoram	22.43	25.78	-12.99
Central Sector	255.01	255.01	0.00	
	Sub-Total	381.94	381.63	0.08
	Total (All India)	23453.08	22065.70	6.29

Contd....

TABLE No.10(Contd.)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

		PUBLIC SECTOR		
		M U N I C I P A L I T I E S		
Region	State/U.Ts.	31.3.92	31.3.91	% 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	551.60	551.60	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	551.60	551.60	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)	551.60	551.60	0.00

Contd....

TABLE No.10(Contd.)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
 OWNERSHIPWISE/REGIONWISE/STATEWISE AS ON 31st MARCH 1992
 (IN MW)

		PRIVATE SECTOR		
Region	State/U.Ts.	31.3.92	31.3.91	% 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	550.80	484.80	13.61
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	1613.50	1613.50	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	2164.30	2098.30	3.15
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	751.52	644.02	16.69
	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	751.52	644.02	16.69
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)	2915.82	2742.32	6.33

Contd....

TABLE No.11

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
PRIMEOVERWISE/ REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

		H Y D R O		
Region	State/U.Ts.	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	883.90	883.90	0.00
	Himachal Pradesh	272.07	272.07	0.00
	Jammu & Kashmir	180.31	180.31	0.00
	Punjab	1798.94	1768.94	1.70
	Rajasthan	966.93	956.93	1.05
	Uttar Pradesh	1504.55	1432.55	5.03
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	645.00	525.00	22.86
	Sub-Total	6251.70	6019.70	3.85
WESTERN REGION	Gujarat	425.00	425.00	0.00
	Madhya Pradesh	725.09	600.09	20.83
	Maharashtra	1572.22	1570.22	0.13
	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	2722.36	2595.36	4.89
SOUTHERN REGION	Andhra Pradesh	2512.94	2451.94	2.49
	Karnataka	2356.20	2340.20	0.68
	Kerala	1476.50	1476.50	0.00
	Tamil Nadu	1944.95	1944.95	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	8290.59	8213.59	0.94
EASTERN REGION	Bihar	150.00	150.00	0.00
	Orissa	1141.92	1141.92	0.00
	West Bengal	46.51	46.51	0.00
	D.V.C.	144.00	144.00	0.00
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	18.89	18.69	1.07
	Central Sector	0.00	0.00	0.00
	Sub-Total	1501.32	1501.12	0.01
NORTH EASTERN REGION	Assam	2.00	2.00	0.00
	Manipur	2.60	2.60	0.00
	Meghalaya	126.71	126.71	0.00
	Nagaland	3.20	2.50	28.00
	Tripura	16.01	16.01	0.00
	Arunachal Pradesh	19.45	16.45	18.24
	Mizoram	3.36	2.37	41.77
Central Sector	255.01	255.01	0.00	
	Sub-Total	428.34	423.65	1.11
	Total (All India)	19194.31	18753.42	2.35

Contd....

TABLE No.11 (Contd)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
PRIMEMOVERWISE/ REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

		S T E A M		
Region	State/U.Ts.	31.3.92	31.3.91	% 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	1490.00	1280.00	16.41
	Rajasthan	765.00	765.00	0.00
	Uttar Pradesh	3668.50	4088.50	-10.27
	Chandigarh	0.00	0.00	0.00
	Delhi	371.60	371.60	0.00
	Central Sector	4400.00	3770.00	16.71
	Sub-Total	11587.60	11167.60	3.76
WESTERN REGION	Gujarat	4059.00	3849.00	5.46
	Madhya Pradesh	2657.50	2697.50	-1.48
	Maharashtra	6962.50	6462.50	7.74
	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	3390.00	3390.00	0.00
	Sub-Total	17069.00	16399.00	4.09
SOUTHERN REGION	Andhra Pradesh	1612.50	1612.50	0.00
	Karnataka	630.00	630.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	2340.00	2130.00	9.86
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	3750.00	3540.00	5.93
	Sub-Total	8332.50	7912.50	5.31
EASTERN REGION	Bihar	1393.50	1393.50	0.00
	Orissa	470.00	470.00	0.00
	West Bengal	2966.38	2898.88	2.33
	D.V.C.	1797.50	1797.50	0.00
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	840.00	630.00	33.33
	Sub-Total	7467.38	7189.88	3.86
NORTH EASTERN REGION	Assam	330.00	330.00	0.00
	Manipur	0.00	0.00	0.00
	Meghalaya	5.00	5.00	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	335.00	335.00	0.00
	Total (All India)	44791.48	43003.98	4.16

Contd....

TABLE No.11 (Contd)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
PRIME-MOVERWISE/ REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

		D I E S E L & W I N D		
Region	State/U.Ts.	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	3.92	3.92	0.00
	Himachal Pradesh	0.27	0.27	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	6.19	6.19	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	19.14	19.14	0.00
WESTERN REGION	Gujarat	33.67 **	33.67	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	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	33.78	33.78	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	15.58 *	14.08	10.65
	Lakshadweep	5.12	5.08	0.79
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	20.70	19.16	8.04
EASTERN REGION	Bihar	0.00	5.93	-100.00
	Orissa	0.00	0.00	0.00
	West Bengal	22.50	26.09	-13.76
	D.V.C.	0.00	0.00	0.00
	A.&N. Islands	28.03	28.20	-0.60
	Sikkim	2.70	2.70	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	53.23	62.92	-15.40
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	3.62	3.62	0.00
	Tripura	4.85	4.85	0.00
	Arunachal Pradesh	12.86	12.90	-0.31
	Mizoram	19.07	23.41	-18.54
	Central Sector	0.00	0.00	0.00
	Sub-Total	72.55	76.93	-5.69
	Total (All India)	199.40	211.93	-5.91

* Wind Mill generating capacity

** Includes 16.19 MW of wind mill generating capacity

Contd.....

TABLE No.11 (Contd)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
PRIME-MOVERWISE/ REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

Region	State/U.Ts.	G	A	S	% INCREASE
		31.3.92	31.3.91		
NORTHERN REGION	Haryana	0.00		0.00	0.00
	Himachal Pradesh	0.00		0.00	0.00
	Jammu & Kashmir	75.00		75.00	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	180.00		180.00	0.00
	Central Sector	1327.00		1065.00	24.60
	Sub-Total	1582.00		1320.00	19.85
WESTERN REGION	Gujarat	219.00		87.00	151.72
	Madhya Pradesh	0.00		0.00	0.00
	Maharashtra	672.00		672.00	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	106.00		0.00	0.00
	Sub-Total	997.00		759.00	31.36
SOUTHERN REGION	Andhra Pradesh	99.00		66.00	50.00
	Karnataka	0.00		0.00	0.00
	Kerala	0.00		0.00	0.00
	Tamil Nadu	10.00		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	109.00		66.00	65.15
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	184.50		184.50	0.00
	Manipur	0.00		0.00	0.00
	Meghalaya	0.00		0.00	0.00
	Nagaland	0.00		0.00	0.00
	Tripura	32.50		32.50	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	217.00		217.00	0.00
	Total (All India)	3095.00		2552.00	21.28

Contd....

TABLE No.11 (Contd)

INSTALLED GENERATING CAPACITY (UTILITIES ONLY)
PRIMEOVERWISE/ REGIONWISE/STATEWISE AS ON 31st MARCH 1992
(IN MW)

		N U C L E A R		
Region	State/U.Ts.	31.3.92	31.3.91	% 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	675.00	32.59
	Sub-Total	895.00	675.00	32.59
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	420.00	420.00	0.00
	Sub-Total	420.00	420.00	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
		1785.00	1565.00	14.06

Contd....

TABLE No.12

**INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
 PRIMEMOVERWISE AS ON 31ST MARCH, 1992**

(IN MW)

----- H Y D R O -----				
REGION	BOARDS	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	883.90	883.90	0.00
	Himachal Pradesh	272.07	272.07	0.00
	Jammu & Kashmir	180.31	180.31	0.00
	Punjab	1798.94	1768.94	1.70
	Rajasthan	966.93	956.93	1.05
	Uttar Pradesh	1504.55	1432.55	5.03
	Sub-Total	5606.70	5494.70	2.04
WESTERN REGION	Gujarat	425.00	425.00	0.00
	Madhya Pradesh	725.09	600.09	20.83
	Maharashtra	1296.22	1294.22	0.15
	Sub-Total	2446.31	2319.31	5.48
SOUTHERN REGION	Andhra Pradesh	2375.01	2314.01	2.64
	Karnataka	206.20	206.20	0.00
	Kerala	1476.50	1476.50	0.00
	Tamil Nadu	1944.95	1944.95	0.00
	Sub-Total	6002.66	5941.66	1.03
EASTERN REGION	Bihar	150.00	150.00	0.00
	Orissa	667.50	667.50	0.00
	West Bengal	46.51	46.51	0.00
	Sub-Total	864.01	864.01	0.00
NORTH EASTERN REGION	Assam	2.00	2.00	0.00
	Meghalaya	126.71	126.71	0.00
	Sub-Total	128.71	128.71	0.00
	Total (All Boards)	15048.39	14748.39	2.03

Contd....

TABLE No.12' (Contd.)

INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEOVERWISE AS ON 31ST MARCH, 1992

(IN MW)

		S T E A M		
REGION	BOARDS	31.3.92	31.3.91	% 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	1490.00	1280.00	16.41
	Rajasthan	765.00	765.00	0.00
	Uttar Pradesh	3668.50	3668.50	0.00
	Sub-Total	6816.00	6606.00	3.18
WESTERN REGION	Gujarat	3609.00	3399.00	6.18
	Madhya Pradesh	2657.50	2697.50	-1.48
	Maharashtra	5625.00	5125.00	9.76
	Sub-Total	11891.50	11221.50	5.97
SOUTHERN REGION	Andhra Pradesh	1612.50	1612.50	0.00
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	2340.00	2130.00	9.86
	Sub-Total	3952.50	3742.50	5.61
EASTERN REGION	Bihar	1393.50	1393.50	0.00
	Orissa	470.00	470.00	0.00
	West Bengal	1020.00	1020.00	0.00
	Sub-Total	2883.50	2883.50	0.00
NORTH EASTERN REGION	Assam	330.00	330.00	0.00
	Meghalaya	5.00	5.00	0.00
	Sub-Total	335.00	335.00	0.00
	Total (All Boards)	25878.50	24788.50	4.40

Contd....

TABLE No.12 (Contd.)

 INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
 PRIMEMOVERWISE AS ON 31ST MARCH, 1992

(IN MW)

		D I E S E L & W I N D		
REGION	BOARDS	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	3.92	3.92	0.00
	Himachal Pradesh	0.27	0.27	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	6.19	6.19	0.00
	Sub-Total	17.14	17.14	0.00
WESTERN REGION	Gujarat	18.48 **	18.48	0.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Sub-Total	18.48	18.48	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	15.58 *	14.08	10.65
	Sub-Total	15.58	14.08	10.65
EASTERN REGION	Bihar	0.00	5.93	-100.00
	Orissa	0.00	0.00	0.00
	West Bengal	22.36	25.95	-13.83
	Sub-Total	22.36	31.88	-29.86
NORTH EASTERN REGION	Assam	20.69	20.69	0.00
	Meghalaya	2.05	2.05	0.00
	Sub-Total	22.74	22.74	0.00
Total (All Boards)		96.30	104.32	-7.69

* Wind Mill generating capacity

** Includes 1.20 Mw of Wind Mill generating capacity

Contd....

TABLE No.12 (Contd.)

INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
PRIMEOVERWISE AS ON 31ST MARCH, 1992
(IN MW)

		G A S		
REGION	BOARDS	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	75.00	75.00	0.00
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Sub-Total	75.00	75.00	0.00
WESTERN REGION	Gujarat	120.00	54.00	122.22
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	672.00	672.00	0.00
	Sub-Total	792.00	726.00	9.09
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	10.00	0.00	0.00
	Sub-Total	10.00	0.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	60.00	100.00	-40.00
	Sub-Total	60.00	100.00	-40.00
NORTH EASTERN REGION	Assam	184.50	184.50	0.00
	Meghalaya	0.00	0.00	0.00
	Sub-Total	184.50	184.50	0.00
	Total (All Boards)	1121.50	1085.50	3.32

Contd....

TABLE No.12 (Contd.)

 INSTALLED GENERATING CAPACITY OF STATE ELECTRICITY BOARDS
 PRIMEMOVERWISE AS ON 31ST MARCH, 1992

(IN MW)

		T O T A L		
REGION	BOARDS	31.3.92	31.3.91	% INCREASE
NORTHERN REGION	Haryana	1780.32	1780.32	0.00
	Himachal Pradesh	272.34	272.34	0.00
	Jammu & Kashmir	262.07	262.07	0.00
	Punjab	3288.94	3048.94	7.87
	Rajasthan	1731.93	1721.93	0.58
	Uttar Pradesh	5179.24	5107.24	1.41
	Sub-Total	12514.84	12192.84	2.64
WESTERN REGION	Gujarat	4172.48	3896.48	7.08
	Madhya Pradesh	3382.59	3297.59	2.58
	Maharashtra	7593.22	7091.22	7.08
	Sub-Total	15148.29	14285.29	6.04
SOUTHERN REGION	Andhra Pradesh	3987.51	3926.51	1.55
	Karnataka	206.20	206.20	0.00
	Kerala	1476.50	1476.50	0.00
	Tamil Nadu	4310.53	4089.03	5.42
	Sub-Total	9980.74	9698.24	2.91
EASTERN REGION	Bihar	1543.50	1549.43	-0.38
	Orissa	1137.50	1137.50	0.00
	West Bengal	1148.87	1192.46	-3.66
	Sub-Total	3829.87	3879.39	-1.28
NORTH EASTERN REGION	Assam	537.19	537.19	0.00
	Meghalaya	133.76	133.76	0.00
	Sub-Total	670.95	670.95	0.00
	Total (All Boards)	42144.69	40726.71	3.48

Contd....

TABLE No.13

INSTALLED GENERATING CAPACITY OF ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, MUNICIPALITIES AND PRIVATE SECTOR
PRIMEOVERWISE REGIONWISE AS ON 31.3.92.

(IN MW)

Region	OWNERSHIP	T O T A L		
		31.3.92	31.3.91	% INCREASE
I. ELECTRICITY DEPARTMENT/ GOVERNMENT UNDERTAKING/ CORPORATION / CENTRAL SECTOR				
NORTHERN REGION	Uttar Pradesh	0.00	420.00	-100.00
	Chandigarh	2.00	2.00	0.00
	Central Sector	7267.00	6035.00	20.41
WESTERN REGION	Gujarat	13.39	13.39	0.00
	Goa	0.16	0.16	0.00
	Central Sector	3916.00	3810.00	2.78
SOUTHERN REGION	Andhra Pradesh	236.93	203.93	16.18
	Karnataka	2780.00	2764.00	0.58
	Lakshadweep	5.12	5.08	0.79
	Central Sector	4220.00	4010.00	5.24
EASTERN REGION	Orissa	474.42	474.42	0.00
	West Bengal	1235.00	1235.00	0.00
	Sikkim	21.59	21.39	0.94
	D.V.C.	2031.50	2031.50	0.00
	A.&.N. Islands	28.03	28.20	-0.60
	Central Sector	840.00	630.00	33.33
NORTH EASTERN REGION	Manipur	12.01	12.01	0.00
	Nagaland	6.82	6.12	11.44
	Tripura	53.36	53.36	0.00
	Arunachal Pradesh	32.31	29.35	10.09
	Mizoram	22.43	25.78	-12.99
	Central Sector	255.01	255.01	0.00
Total (I)		23453.08	22065.70	6.29
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	551.60	551.60	0.00
Total (II)		551.60	551.60	0.00
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	550.80	484.80	13.61
	Maharashtra	1613.50	1613.50	0.00
EASTERN REGION	West Bengal	751.52	644.02	16.69
Total (III)		2915.82	2742.32	6.33

TABLE No.13 (Contd.)

(IN MW)

Region	OWNERSHIP	H Y D R O		
		31.3.92	31.3.91	% INCREASE
I.	ELECTRICITY DEPARTMENT/ GOVERNMENT UNDERTAKING/ CORPORATION / CENTRAL SECTOR			
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	645.00	525.00	22.86
WESTERN REGION	Gujarat	0.00	0.00	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	2150.00	2134.00	0.75
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	Orissa	474.42	474.42	0.00
	West Bengal	0.00	0.00	0.00
	Sikkim	18.89	18.69	1.07
	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	3.20	2.50	28.00
	Tripura	16.01	16.01	0.00
	Arunachal Pradesh	19.45	16.45	18.24
	Mizoram	3.36	2.37	41.77
	Central Sector	255.01	255.01	0.00
	Total (I)	3869.92	3729.03	3.78
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
	Maharashtra	276.00	276.00	0.00
EASTERN REGION	West Bengal	0.00	0.00	0.00
	Total (III)	276.00	276.00	0.00

Contd.....

TABLE No.13 (Contd.)

(IN MW)

Region	OWNERSHIP	S T E A M		
		31.3.92	31.3.91	% INCREASE
I.	ELECTRICITY DEPARTMENT/ GOVERNMENT UNDERTAKING/ CORPORATION / CENTRAL SECTOR			
NORTHERN REGION	Uttar Pradesh	0.00	420.00	-100.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	4400.00	3770.00	16.71
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	3390.00	3390.00	0.00
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	630.00	630.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	3750.00	3540.00	5.93
EASTERN REGION	Orissa	0.00	0.00	0.00
	West Bengal	1235.00	1235.00	0.00
	Sikkim	0.00	0.00	0.00
	D.V.C.	1797.50	1797.50	0.00
	A.&N. Islands	0.00	0.00	0.00
	Central Sector	840.00	630.00	33.33
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)	16042.50	15412.50	4.09
II.	MUNICIPALITIES			
NORTHERN REGION	Delhi	371.60	371.60	0.00
	Total (II)	371.60	371.60	0.00
III.	PRIVATE LICENSEES			
WESTERN REGION	Gujarat	450.00	450.00	0.00
	Maharashtra	1337.50	1337.50	0.00
EASTERN REGION	West Bengal	711.38	643.88	10.48
	Total (III)	2498.88	2431.38	2.78

Contd.....

TABLE No.13 (Contd.)

(IN MW)

Region	OWNERSHIP	DIESEL & WIND		
		31.3.92	31.3.91	% INCREASE
I.	ELECTRICITY DEPARTMENT/ GOVERNMENT UNDERTAKING/ CORPORATION / CENTRAL SECTOR			
NORTHERN REGION	Uttar Pradesh Chandigarh Central Sector	0.00 2.00 0.00	0.00 2.00 0.00	0.00 0.00 0.00
WESTERN REGION	Gujarat Goa Central Sector	13.39 ** 0.11 ** 0.00	13.39 0.11 0.00	0.00 0.00 0.00
SOUTHERN REGION	Andhra Pradesh Karnataka Lakshadweep Central Sector	0.00 0.00 5.12 0.00	0.00 0.00 5.08 0.00	0.00 0.00 0.79 0.00
EASTERN REGION	Orissa West Bengal Sikkim D.V.C. A.&N. Islands Central Sector	0.00 0.00 2.70 0.00 28.03 0.00	0.00 0.00 2.70 0.00 28.20 0.00	0.00 0.00 0.00 0.00 -0.60 0.00
NORTH EASTERN REGION	Manipur Nagaland Tripura Arunachal Pradesh Mizoram Central Sector	9.41 3.62 4.85 12.86 19.07 0.00	9.41 3.62 4.85 12.90 23.41 0.00	0.00 0.00 0.00 -0.31 -18.54 0.00
	Total (I)	101.16	105.67	-4.27
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 Maharashtra	1.80 * 0.00	1.80 0.00	0.00 0.00
EASTERN REGION	West Bengal	0.14	0.14	0.00
	Total (III)	1.94	1.94	0.00

Note:- * Includes 1.60 MW wind mill capacity.
** Wind mill generating capacity.

Contd.....

TABLE No.13 (Contd.)

(IN MW)

Region	OWNERSHIP	G A S		% INCREASE
		31.3.92	31.3.91	
I.	ELECTRICITY DEPARTMENT/ GOVERNMENT UNDERTAKING/ CORPORATION / CENTRAL SECTOR			
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	1327.00	1065.00	24.60
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	106.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	99.00	66.00	50.00
	Karnataka	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
EASTERN REGION	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	32.50	32.50	0.00
	Assam	0.00	0.00	0.00
	Mizoram	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Total (I)	1654.50	1253.50	31.99
II.	MUNICIPALITIES			
NORTHERN REGION	Delhi	180.00	180.00	0.00
	Total (II)	180.00	180.00	0.00
III.	PRIVATE SECTOR			
WESTERN REGION	Gujarat	99.00	33.00	200.00
	Maharashtra	0.00	0.00	0.00
EASTERN REGION	West Bengal	40.00	0.00	0.00
	Total (III)	139.00	33.00	321.21

Contd....

TABLE No.13 (Contd.)

(IN MW)

		N U C L E A R		
Region	OWNERSHIP	31.3.92	31.3.91	% INCREASE
I.	ELECTRICITY DEPARTMENT/ GOVERNMENT UNDERTAKING/ CORPORATION / CENTRAL SECTOR			
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	895.00	675.00	32.59
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	420.00	420.00	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	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)	1785.00	1565.00	14.06
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
	Maharashtra	0.00	0.00	0.00
EASTERN REGION	West Bengal	0.00	0.00	0.00
	Total (III)	0.00	0.00	0.00

Contd.....

TABLE NO. 14

 ADDITION IN GENERATING CAPACITY (UTILITIES ONLY)
 DURING THE YEAR 1991-92

S. Installed at No.	State/UT/ Ownership	Date of addition	No. of sets	Capacity of each set (MW)	Total Capacity added (MW)
A. HYDRO					
1.UBDC-II (Unit 2 & 3)	Punjab S.E.B.	06.07.91 29.12.91	2	15.00	30.00
2.Mangrol (Unit 1,2 & 3)	Rajasthan S.E.B.	25.07.91 23.07.91 27.07.91	3	2.00	6.00
3.Suratgarh (Unit 1 & 2)	Rajasthan S.E.B.	18.02.92 16.02.92	2	2.00	4.00
4.Khara (Unit 1,2 & 3)	Uttar Pradesh S.E.B.	07.02.92* 07.02.92* 09.02.92*	3	24.00	72.00
5.Tanakpur (Unit 1,2 & 3)	Uttar Pradesh (N.H.P.C.) (Central Sector)	21.03.92* 22.03.92 21.03.92*	3	40.00	120.00
6.Bansagar Tons (Unit 3)	Madhya Pradesh S.E.B.	14.03.92*	1	105.00	105.00
7.Birsinghpur (Unit 1)	Madhya Pradesh S.E.B.	01.11.91	1	20.00	20.00
8.Nag'junasagar LBC (Unit 1 & 2)	Andhra Pradesh S.E.B.	11.09.91* 07.03.92	2	30.00	60.00
9.Ghatprabha (Unit 1)	Karnataka S.E.B.	28.03.92*	1	16.00	16.00
10.Tagu (Unit 2 & 3)	Arunachal Pradesh Govt. Deptt.	07.08.91 Oct.91 *	2	1.50	3.00
TOTAL (HYDRO)			20 Units		436.00

....Contd.

TABLE NO. 14 (Contd...)
 ADDITION IN GENERATING CAPACITY (UTILITIES ONLY)
 DURING THE YEAR 1991-92

Page No.46

S. Installed at No.	State/UT/Ownership	Date of addition	No. of sets	Capacity of each set (MW)	Total Capacity (MW)
B. STEAM, GAS & NUCLEAR					
1.Ropar	Punjab S.E.B.	29.03.92	1	210.00	210.00
2.National Capital T.P.P.(Unit 1)	Uttar Pradesh N.T.P.C. (Central Sector)	24.10.91	1	210.00	210.00
3.C.C.G.T. Dadri (Unit 1&2)	Uttar Pradesh N.T.P.C. (Central Sector)	21.02.92** 26.03.92**	2	131.00	262.00
4.Narora (Unit-2)	Uttar Pradesh (N.P.C.I)	24.10.91 (Critical)	1	220.00	220.00
5.Gandhi Nagar (Unit -4)	Gujarat S.E.B.	20.07.91	1	210.00	210.00
6.VATWA CCGT (Unit 2)&ST-I	Gujarat Ahmedabad Elec.Co.	29.06.91** 18.10.91**	2	33.00	66.00
7.Utran CCGT (Unit 1&2)	Gujarat S.E.B.	28.01.92** 28.03.92**	2	33.00	66.00
8.Kawas CCGT (Unit 1)	Gujarat N.T.P.C. (Central Sector)	22.03.92**	1	106.00	106.00
9.Chandrapur (Unit 6)	Maharashtra S.E.B.	11.03.92	1	500.00	500.00
10.Vijjeswaram CCGT (St Unit-I)	Andhra Pradesh A.P.G.P.C.L.	17.03.92**	1	33.00	33.00
11.Tuticorin (Unit-4)	Tamil Nadu S.E.B.	11.02.92	1	210.00	210.00
12.Narimanam GT (Unit 1 & 2)	Tamil Nadu S.E.B.	14.01.92** 17.01.92**	2	5.00	10.00
13.Nayveli 2nd Minecut (Unit - 5)	Tamil Nadu N.L.C. (Central Sector)	30.12.91	1	210.00	210.00
14.Southern Replacement	West Bengal C.E.S.C.	10.4.91	1	67.50	67.50
15.Kahalagaon (Unit - 1)	Bihar N.T.P.C. (Central Sector)	31.3.92	1	210.00	210.00
Total Thermal & Nuclear			19		2590.50
Total (Hydel+Thermal+Nuclear)			39		3026.50

* Unit Rolled

SEB - State Electricity Board

** Gas Turbine

Note:- Excludes capacity addition in small Hydel / Thermal & Diesel Power Stations

TABLE No.15

Page No.47

ADDITION/DELETION OF PLANT CAPACITY PRIMEMOVERWISE/
REGIONWISE/STATEWISE DURING THE YEAR 1991-92

Region	Name of State/Uts	Hydro	Steam	Diesel & Wind
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	30.00	210.00	0.00
	Rajasthan	10.00	0.00	0.00
	Uttar Pradesh	72.00	-420.00 (F)	0.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	120.00	630.00 (G)	0.00
Sub-Total		232.00	420.00	0.00
WESTERN REGION	Gujarat	0.00	210.00	0.00
	Madhya Pradesh	125.00	-40.00 (H)	0.00
	Maharashtra	2.00 (A)	500.00	0.00
	Goa	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00
	D.&N. Haveli	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
Sub-Total		127.00	670.00	0.00
SOUTHERN REGION	Andhra Pradesh	61.00 (B)	0.00	0.00
	Karnataka	16.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	210.00	1.50 (I)
	Pondicherry	0.00	0.00	0.00
	Lakshadweep	0.00	0.00	0.04 (J)
	Central Sector	0.00	210.00	0.00
Sub-Total		77.00	420.00	1.54
EASTERN REGION	Bihar	0.00	0.00	-5.93 (K)
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	67.50	-3.59 (L)
	D.V.C.	0.00	0.00	0.00
	A.&N. Islands	0.00	0.00	-0.17 (M)
	Sikkim	0.20 (C)	0.00	0.00
	Central Sector	0.00	210.00	0.00
Sub-Total		0.20	277.50	-9.69
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	0.70 (D)	0.00	0.00
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	3.00	0.00	-0.04 (N)
	Mizoram	0.99 (E)	0.00	-4.34 (O)
Central Sector	0.00	0.00	0.00	
Sub-Total		4.69	0.00	-4.38
Total (All India)		440.89	1787.50	-12.53

Contd....

TABLE No.15(Contd) Page No. 48
 ADDITION/DELETION OF PLANT CAPACITY FRIMEMOVERWISE/
 REGIONWISE/STATEWISE DURING THE YEAR 1991-92

Region	Name of State/Uts	Gas	Nuclear	Total
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	240.00
	Rajasthan	0.00	0.00	10.00
	Uttar Pradesh	0.00	0.00	-348.00
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	262.00	220.00	1232.00
Sub-Total		262.00	220.00	1134.00
WESTERN REGION	Gujarat	132.00	0.00	342.00
	Madhya Pradesh	0.00	0.00	85.00
	Maharashtra	0.00	0.00	502.00
	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	106.00	0.00	106.00
Sub-Total		238.00	0.00	1035.00
SOUTHERN REGION	Andhra Pradesh	33.00	0.00	94.00
	Karnataka	0.00	0.00	15.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	10.00	0.00	221.50
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.04
	Central Sector	0.00	0.00	210.00
Sub-Total		43.00	0.00	541.54
EASTERN REGION	Bihar	0.00	0.00	-5.93
	Orissa	0.00	0.00	0.00
	West Bengal	0.00	0.00	63.91
	D.V.C.	0.00	0.00	0.00
	A.&N. Islands	0.00	0.00	-0.17
	Sikkim	0.00	0.00	0.20
	Central Sector	0.00	0.00	210.00
Sub-Total		0.00	0.00	268.01
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	0.70
	Tripura	0.00	0.00	0.00
	Arunachal Pradesh	0.00	0.00	2.96
	Mizoram	0.00	0.00	-3.35
Central Sector	0.00	0.00	0.00	
Sub-Total		0.00	0.00	0.31

Total (All India) 543.00 220.00 2978.86

	Total	Hydro	Steam	Diesl & Wind	Gas	Nuclear
Gross Addition	3032.91	440.91	1827.50	1.50	543.00	220.00
Deletion/Retirement	-53.88	-0.02	-40.00	-13.86	0.00	0.00
Reporting Difference/Up-dating	-0.17	0.00	0.00	-0.17	0.00	0.00
Net Additions	2978.86	440.89	1787.50	-12.53	543.00	220.00

TABLE NO. 15 (Contd.)

Note:-

- (A) Addition of two units of 1.00 MW at Dom Power House.
- (B) Addition of two units of 30.00 MW at Nagarjuna Sagar Power House and two units of 0.50 MW at Micro Hydel Power House.
- (C) Addition of one unit of 0.20 MW at Lachung Power House.
- (D) Addition of one unit of 0.20 MW at Kithuhi Power House and one unit of 0.50 MW at Dzueadi Power House.
- (E) Addition of one unit of 0.50 MW at Tuisumpur, one unit 0.45 MW at Tuipui, one unit of 0.06 MW in Micro Hydel Power House and deletion of one unit of 0.02 MW at Khawiva Power House.
- (F) Two units of 210.00 MW at Unchahar Power House have been taken over by N.T.P.C.
- (G) Addition of one unit of 210.00 MW of National Capital T.P.P. and two units of 210.00 MW of Unchahar Power House.
- (H) Deletion of one unit of 30.00 MW and one unit of 10.00 MW at Korba-I Power House.
- (I) Addition of six units of 0.25 MW at Puliyanakulam Wind Power Mill House.
- (J) Reporting difference of 0.04 MW in different Diesel Power Houses.
- (K) Deletion of 5.93 MW at different Diesel Power Houses.
- (L) Deletion of 3.59 MW at different Diesel Power Houses.
- (M) Reporting difference of 0.17 MW in different Diesel Power Houses.
- (N) Reporting difference of 0.04 MW in different Diesel Power Houses.
- (O) Deletion of 4.34 MW in different Diesel Power Houses.

TABLE NO. 16

 CLASSIFICATION OF GENERATING UNDERTAKINGS - CAPACITYWISE
 AS ON 31.3.92

Range of installed capacity (M.W.)		No. of Undertakings	Aggregate installed capacity of the group (MW)	% to total installed capacity	Energy generated by the group (GWH)	% to total generation
Upto	1.00	4	0.51	0.00	0.15	0.00
Over upto	1.00 & 2.00	2	3.60	0.00	2.55	0.00
Over upto	2.00 & 5.00	0	0.00	0.00	0.00	0.00
Over upto	5.00 & 10.00	3	20.32	0.03	49.03	0.02
Over upto	10.00 & 15.00	2	25.40	0.04	15.27	0.00
Over upto	15.00 & 25.00	3	62.02	0.09	139.17	0.05
Over upto	25.00 & 50.00	2	60.34	0.09	103.51	0.04
Over upto	50.00 & 100.00	3	224.36	0.32	702.48	0.25
Over upto	100.00 & 500.00	25	6550.12	9.48	19406.37	6.76
Over upto	500.00 & 1000.00	11	7434.79	10.77	38832.22	13.53
Over upto	1000.00 & 2000.00	8	11692.12	16.93	45420.80	15.82
Over upto	2000.00 & 3000.00	5	11077.10	16.04	56083.31	19.54
Over	3000.00	7	31914.51	46.21	126273.72	43.99
Total		75	69065.19	100.00	287028.58	100.00

TABLE NO. 17 Page No.51
 CLASSIFICATION OF POWER STATIONS - CAPACITYWISE
 AS ON 31.3.1992

Range of Installed capacity		No. of Generating stations	Installed capacity group Total (MW).	% of Total Capacity
H Y D R O S T A T I O N S				
	Upto 100 KW	20	1.19	0.00
Over	100 KW upto 1.00 MW	63	30.35	0.15
Over	1.00 MW upto 2.00 MW	23	37.67	0.20
Over	2.00 MW upto 5.00 MW	17	59.00	0.31
Over	5.00 MW upto 10.00 MW	12	100.30	0.52
Over	10.00 MW upto 15.00 MW	7	95.20	0.50
Over	15.00 MW upto 25.00 MW	15	298.05	1.55
Over	25.00 MW upto 50.00 MW	33	1201.35	6.26
Over	50.00 MW upto 100.00 MW	35	2540.45	13.24
Over	100.00 MW upto 500.00 MW	42	8789.75	45.80
Over	500.00 MW upto 1000.00 MW	8	6041.00	31.47
Over	1000.00 MW upto 2000.00 MW	0	0.00	0.00
Over	2000.00 MW	0	0.00	0.00
TOTAL		275	19194.31	100.00
S T E A M S T A T I O N S				
	Upto 100 KW	0	0.00	0.00
Over	100 KW upto 1.00 MW	0	0.00	0.00
Over	1.00 MW upto 2.00 MW	0	0.00	0.00
Over	2.00 MW upto 5.00 MW	1	5.00	0.01
Over	5.00 MW upto 10.00 MW	2	18.38	0.04
Over	10.00 MW upto 15.00 MW	3	43.00	0.10
Over	15.00 MW upto 25.00 MW	1	18.00	0.04
Over	25.00 MW upto 50.00 MW	6	201.60	0.45
Over	50.00 MW upto 100.00 MW	10	716.50	1.60
Over	100.00 MW upto 500.00 MW	50	14075.00	31.42
Over	500.00 MW upto 1000.00 MW	23	16974.00	37.90
Over	1000.00 MW upto 2000.00 MW	5	6460.00	14.42
Over	2000.00 MW	3	6280.00	14.02
TOTAL		104	44791.48	100.00

TABLE NO. 17 (Contd..)

Page No.52

Range of installed station capacity		Energy Generated by the group (GWH)	Generation % of Total	KWH / KW \$
H Y D R O S T A T I O N S				
	Upto 100 KW	0.23	0.00	193
Over	100 KW upto 1.00 MW	26.89	0.04	916
Over	1.00 MW upto 2.00 MW	72.35	0.10	1921
Over	2.00 MW upto 5.00 MW	64.40	0.09	1092
Over	5.00 MW upto 10.00 MW	225.63	0.31	2250
Over	10.00 MW upto 15.00 MW	286.46	0.39	3009
Over	15.00 MW upto 25.00 MW	963.46	1.32	3233
Over	25.00 MW upto 50.00 MW	3959.10	5.44	3296
Over	50.00 MW upto 100.00 MW	10022.28	13.78	3945
Over	100.00 MW upto 500.00 MW	31816.27	43.73	3620
Over	500.00 MW upto 1000.00 MW	25320.02	34.80	4191
Over	1000.00 MW upto 2000.00 MW	0.00	0.00	0
Over	2000.00 MW	0.00	0.00	0
TOTAL		72757.09	100.00	3791
S T E A M S T A T I O N S				
	Upto 100 KW	0.00	0.00	0
Over	100 KW upto 1.00 MW	0.00	0.00	0
Over	1.00 MW upto 2.00 MW	0.00	0.00	0
Over	2.00 MW upto 5.00 MW	0.00	0.00	0
Over	5.00 MW upto 10.00 MW	29.38	0.01	1598
Over	10.00 MW upto 15.00 MW	5.70	0.00	133
Over	15.00 MW upto 25.00 MW	88.24	0.04	4902
Over	25.00 MW upto 50.00 MW	593.02	0.30	2942
Over	50.00 MW upto 100.00 MW	1594.64	0.81	2226
Over	100.00 MW upto 500.00 MW	42204.18	21.41	2999
Over	500.00 MW upto 1000.00 MW	88530.93	44.90	5216
Over	1000.00 MW upto 2000.00 MW	25522.30	12.95	3951
Over	2000.00 MW	38594.71	19.58	6146
TOTAL		197163.10	100.00	4402

*-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.

CLASSIFICATION OF GENERATING SETS-PRIMEMDVERWISE/
CAPACITYWISE AS ON 31.3.1992.

Range of installed capacity of sets (MW)	H Y D R O			S T E A M		
	No. of Installed sets	Installed capacity (MW)	% to Total	No. of sets	Installed capacity (MW)	% to Total
Upto 100 KW	94	6.68	0.04	0	0.00	0.00
Over Upto 100 KW & 1 MW	180	70.73	0.37	0	0.00	0.00
Over Upto 1 MW & 2 MW	26	40.80	0.21	7	10.88	0.02
Over Upto 2 MW & 5 MW	56	203.50	1.06	15	56.00	0.12
Over Upto 5 MW & 10 MW	78	619.70	3.23	3	27.50	0.06
Over Upto 10 MW & 20 MW	103	1556.15	8.11	17	255.00	0.57
Over Upto 20 MW & 30 MW	53	1345.25	7.01	27	810.00	1.81
Over Upto 30 MW & 50 MW	82	3390.50	17.66	26	1310.60	2.93
Over Upto 50 MW & 100 MW	83	5939.00	30.94	72	5011.50	11.19
Over Upto 100 MW & 200 MW	50	6022.00	31.37	80	10360.00	23.13
Above 200 MW	0	0.00	0.00	109	26950.00	60.17
T O T A L	805	19194.31	100.00	356	44791.48	100.00

TABLE NO 18 (Contd.)

CLASSIFICATION OF GENERATING SETS-PRIMEOVERWISE/
CAPACITYWISE AS ON 31.3.1992.

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 1 MW & Upto 5 MW	9	31.00	1.00	0	0.00	0.00
Over 5 MW & Upto 10 MW	5	32.50	1.05	0	0.00	0.00
Over 10 MW & Upto 20 MW	10	172.50	5.57	0	0.00	0.00
Over 20 MW & Upto 30 MW	18	490.00	15.83	0	0.00	0.00
Over 30 MW & Upto 50 MW	4	132.00	4.27	0	0.00	0.00
Over 50 MW & Upto 100 MW	11	636.00	20.55	0	0.00	0.00
Over 100 MW & Upto 200 MW	12	1339.00	43.26	0	0.00	0.00
Above 200 MW	2	262.00	8.47	8	1785.00	100.00
T O T A L	71	3095.00	100.00	8	1785.00	100.00

Note: Setwise classification of Diesel Power Houses not given due to non-availability of setwise details in certain cases. However, they account for 199.40 MW total installed capacity, including 16.19 MW windmill capacity.

SECTION III

Generation (Utilities)

SECTION III

GENERATION (UTILITIES)

The all India gross electricity generation by the Public Utilities was 287028.58 GWH during the year 1991-92 as compared to 264328.61 GWH during 1990-91 thereby registering an increase of 8.59%.

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 68.69%, 25.35%, 3.99%, 1.92% and 0.73% respectively during the year 1991-92.

There were 104 steam stations and 275 hydro stations existing in the country as on 31st March 1992 generating 197163.10 GWH and 72757.09 GWH respectively. Bhakra Beas Management Board complex the biggest of all the systems registered the maximum electricity production of 12528.45 GWH during the year.

Besides electricity generation by the Public Utilities, during the year under review captive plants of selected industries produced 28579.97 GWH comprising 23409.35 GWH from Steam, 17.57 GWH from Hydro, 3991.81 GWH from diesel and 1905.24 GWH from Gas turbine plants respectively. Apart from the above, electricity generation from captive plants of Railways was 22.92 GWH which comprised 3.47 GWH from steam and 19.05 GWH from diesel plants.

To sum up, total electricity production in the country including those from captive plants during the year 1991-92 was 315631.07 GWH as compared to 299438.34 GWH during the year 1990-91 recording an increase of 5.09%.

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

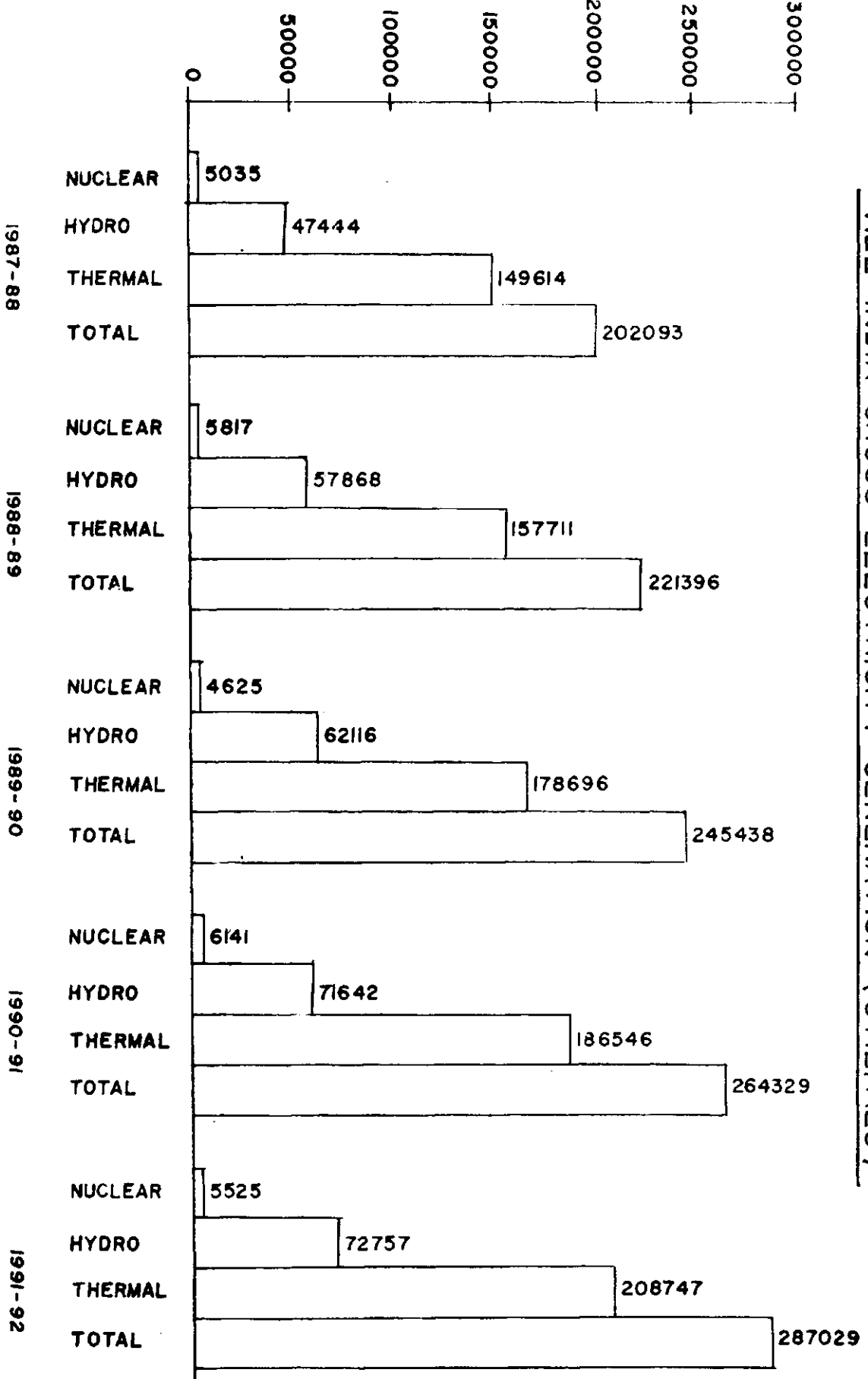
TABLE No. 19

GROSS ENERGY GENERATION IN THE COUNTRY (UTILITIES & NON-UTILITIES)
PRIMEMOVERWISE DURING THE YEAR 1991-92 (GWH)

Category	Year	Gross Energy Generation (GWH)					
		Total	Hydro	Steam	Diesel & Wind	Gas	Nuclear
Utilities							
	1991-92	287028.58	72757.09	197163.10	134.04	11449.95	5524.40
	1990-91	264328.61	71641.31	178321.71	111.30	8113.19	6141.10
	%increase	8.59	1.56	10.57	20.43	41.13	-10.04
Non-Utilities							
I. Selected Industries *	1991-92	28579.97	17.57	23409.35	3247.81	1905.24	0.00
	1990-91	25081.81	14.89	20005.67	3216.27	1844.98	0.00
	%increase	13.95	18.00	17.01	0.98	3.27	0.00
II. Railways	1991-92	22.52	0.00	3.47	19.05	0.00	0.00
	1990-91	28.82	0.00	12.16	16.66	0.00	0.00
	%increase	-21.86	0.00	-71.46	14.35	0.00	0.00
Total Non-Utilities (I & II)	1991-92	28602.49	17.57	23412.82	3266.86	1905.24	0.00
	1990-91	25110.63	14.89	20017.83	3232.93	1844.98	0.00
	%increase	13.91	18.00	16.96	1.05	3.27	0.00
All India Gross Generation							
(Utilities + Non-Utilities)	1991-92	315631.07	72774.66	220575.92	3400.90	13355.19	5524.40
	1990-91	289439.24	71656.20	198339.54	3344.23	9958.17	6141.10
	%increase	9.05	1.56	11.21	1.69	34.11	-10.04

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

GROSS ELECTRICITY GENERATION (Gwh)



ALL INDIA GROSS ELECTRICITY GENERATION (UTILITIES)

ALL INDIA ELECTRICITY GENERATION (UTILITIES ONLY)
OWNERSHIPWISE AND PRIMEMOVERWISE DURING 1981-92

S.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.	53809.26	18.75	0.45
	b) Elec. Deptts./Govt Undertakings/Corporations/ Central Sector	17311.93	6.03	4.25
	c) Municipalities	0.00	0.00	0.00
	Sub-Total	71121.19	24.78	1.35
	Private Sector			
	d) Companies	1635.90	0.57	11.48
	Total (Hydro)	72757.09	25.35	1.56
II.	STEAM			
	Public Sector :			
	a) State Electricity Boards	103786.23	36.16	3.83
	b) Electy. Deptts/Govt. Undertakings/Corporations/ Central Sector	79904.78	27.84	22.25
	c) Municipalities	1749.35	0.61	14.64
	Sub-Total	185440.36	64.61	11.15
	Private Sector			
	d) Companies	11722.74	4.08	2.13
	Total (Steam)	197163.10	68.69	10.57
III.	DIESEL & WIND			
	Public Sector :			
	a) State Electricity Boards	24.33	0.01	-22.22
	b) Electy. Deptts/Govt. Undertakings/Corporations/ Central Sector	107.01	0.04	36.54
	c) Municipalities	0.00	0.00	0.00
	Sub-Total	131.34	0.05	19.78
	Private Sector			
	d) Companies	2.70	0.00	63.64
	Total (Diesel & Wind)	134.04	0.05	20.43

TABLE No. 20 (Contd...)

Page No. 58

S.No.	Type of Primemover and Ownership	Generation (Gross) (GWH)	% to all India Total	%increase in generation over the previous year
IV.	GAS			
	Public Sector :			
	a) State Electricity Boards	3709.47	1.29	6.69
	b) Electy. Deptts/Govt. Undertakings/Corporations/ Central Sector	6723.28	2.34	64.02
	c) Municipalities	662.00	0.23	23.17
	Sub-Total	11094.75	3.86	36.75
	Private Sector :			
	d) Companies	355.20	0.13	0.00
	Total (Gas)	11449.95	3.99	41.13
V.	NUCLEAR			
	Public Sector :			
	a) State Electricity Boards	0.00	0.00	0.00
	b) Electy. Deptts/Govt. Undertakings/Corporations/ Central Sector	5524.40	1.92	-10.04
	c) Municipalities	0.00	0.00	0.00
	Sub-Total	5524.40	1.92	-10.04
	Private Sector :			
	d) Companies	0.00	0.00	0.00
	Total (Nuclear)	5524.40	1.92	-10.04
VI.	GRAND TOTAL (I TO V)			
	Public Sector :			
	a) State Electricity Boards (18 Nos.)	161329.29	56.21	2.74
	b) Electy. Deptts/Govt. Undertakings/Corporations/ Central Sector (32 Nos.)	109571.40	38.17	18.73
	c) Municipalities (10 Nos.)	2411.35	0.84	16.86
	Sub-Total (60 Nos.)	273312.04	95.22	8.72
	Private Sector :			
	d) Companies (49 Nos.)	13716.54	4.78	5.94
	Total All India (109 Nos.)	287028.58	100.00	8.59

Note:- Figures within brackets show Nos of undertakings.

ALL INDIA GROSS ENERGY GENERATION (UTILITIES ONLY)
REGIONWISE/STATEWISE DURING 1991-92
(IN GWH)

		ENERGY GENERATION		
Region	State/U.Ts.	1991-92	1990-91	% increase
NORTHERN REGION	Haryana	7765.48	6938.26	11.92
	Himachal Pradesh	1050.38	1262.40	-16.79
	Jammu & Kashmir	878.00	875.00	0.34
	Punjab	14676.68	14617.54	0.40
	Rajasthan	8130.19	6717.45	21.03
	Uttar Pradesh	18741.71	19688.07	-6.68
	Chandigarh	0.00	0.00	0.00
	Delhi	2411.35	2063.45	16.86
	Central Sector	35650.28	29290.38	21.71
	Sub-Total	89304.07	81452.55	9.64
WESTERN REGION	Gujarat	20800.76	19875.27	4.66
	Madhya Pradesh	12524.52	12937.46	-3.19
	Maharashtra	39200.09	36439.37	7.58
	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	21670.18	17914.54	20.96
	Sub-Total	94195.55	87166.64	8.06
SOUTHERN REGION	Andhra Pradesh	18654.68	18249.10	2.22
	Karnataka	12906.96	12429.87	3.84
	Kerala	5325.78	5490.75	-3.00
	Tamil Nadu	13832.97	13202.04	4.78
	Lakshadweep	10.64	9.60	10.83
	Pondicherry	0.00	0.00	0.00
	Central Sector	21444.45	17621.31	21.70
	Sub-Total	72175.48	67002.67	7.72
EASTERN REGION	Bihar	2592.30	2963.80	-12.53
	Orissa	6313.81	5791.93	9.01
	West Bengal	10582.66	9000.75	7.58
	D.V.C.	5330.37	4946.75	7.75
	N.W.T. Islands	21.79	39.42	31.38
	Sikkim	38.19	39.65	-3.68
	Central Sector	3361.00	2949.40	13.96
	Sub-Total	28270.12	25731.70	9.86
NORTH EASTERN REGION	Assam	1079.57	1206.37	-10.51
	Manipur	2.83	1.64	72.56
	Meghalaya	421.09	338.63	24.35
	Nagaland	9.01	2.03	343.84
	Tripura	138.99	135.98	2.21
	Arunachal Pradesh	51.72	49.30	4.91
	Mizoram	18.74	15.36	17.06
	Central Sector	1367.41	1225.74	11.56
	Sub-Total	3083.36	2975.05	3.64
	Total (All India)	287028.58	264328.61	8.59

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 1991-92

		PUBLIC SECTOR STATE ELECTRICITY BOARDS		
Region	State/U.Ts.	1991-92	1990-91	% increase
NORTHERN REGION	Haryana	7765.48	6938.26	11.92
	Himachal Pradesh	1050.38	1262.40	-16.79
	Jammu & Kashmir	878.00	875.00	0.34
	Punjab	14676.68	14617.54	0.40
	Rajasthan	8130.19	6717.45	21.03
	Uttar Pradesh	18182.71	19483.60	-6.68
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	50683.44	49894.25	1.58
WESTERN REGION	Gujarat	18120.13	17431.88	3.95
	Madhya Pradesh	12524.52	12937.46	-3.19
	Maharashtra	31373.39	28763.75	9.07
	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	62018.04	59133.09	4.88
SOUTHERN REGION	Andhra Pradesh	17563.32	17396.79	0.96
	Karnataka	707.43	708.86	-0.20
	Kerala	5325.78	5490.75	-3.00
	Tamil Nadu	13832.97	13202.04	4.78
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	37429.50	36798.44	1.71
EASTERN REGION	Bihar	2592.30	2963.80	-12.53
	Orissa	4252.34	3839.41	10.76
	West Bengal	2853.01	2857.58	-0.16
	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	9677.65	9660.79	0.38
NORTH EASTERN REGION	Assam	1079.57	1206.37	-10.51
	Manipur	0.00	0.00	0.00
	Meghalaya	421.09	338.63	24.35
	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	1500.66	1545.00	-8.87
	Total (All India)	161327.27	157031.57	2.74

TABLE No. 22 (Contd)

		PUBLIC SECTOR		
		Elec. Deptts/Govt. Undertakings/ Corporations/Central Sector		
Region	State/U.Ts.	1991-92	1990-91	% 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	559.00	204.47	173.39
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	35650.28	29290.38	21.71
	Sub-Total	36209.28	29494.85	22.76
WESTERN REGION	Gujarat	12.44	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	21670.18	17914.54	20.96
	Sub-Total	21682.62	17914.54	20.96
SOUTHERN REGION	Andhra Pradesh	1091.36	852.31	28.05
	Karnataka	12199.53	11721.01	4.08
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	0.00
	Lakshadweep	10.64	9.60	10.83
	Pondicherry	0.00	0.00	0.00
	Central Sector	21444.45	17621.31	21.70
	Sub-Total	34745.98	30204.23	15.04
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	2061.47	1952.52	5.58
	West Bengal	4508.00	3315.32	35.97
	D.V.C.	5330.37	4946.75	7.75
	A.&N. Islands	51.79	39.42	31.38
	Sikkim	38.19	39.65	-3.68
	Central Sector	3361.00	2949.40	13.96
	Sub-Total	15350.82	13243.06	15.92
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	2.83	1.64	72.56
	Meghalaya	0.00	0.00	0.00
	Nagaland	9.01	2.03	343.84
	Tripura	138.99	135.98	2.21
	Arunachal Pradesh	51.72	49.30	4.91
	Mizoram	12.74	15.36	-17.06
	Central Sector	1367.41	1225.74	11.56
	Sub-Total	1582.70	1430.05	10.67
	Total (All India)	109571.40	92286.73	18.73

TABLE No. 23 (Contd)

Region	State/U.Ts.	PUBLIC SECTOR M U N I C I P A L I T I E S		
		1991-92	1990-91	% 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	2411.35	2063.45	16.86
	Sub-Total	2411.35	2063.45	16.86
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)	2411.35	2063.45	16.86

TABLE No. 22 (Contd)

Region	State/U.Ts.	PRIVATE SECTOR C O M P A N I E S		
		1991-92	1990-91	% 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	2668.19	2443.39	9.20
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	7826.70	7675.62	1.97
	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	10494.89	10119.01	3.71
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	3221.65	2827.85	13.93
	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	3221.65	2827.85	13.93
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)	13716.54	12946.86	5.94

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

TABLE No. 23

GROSS ENERGY GENERATION (UTILITIES ONLY) PRIMEMOVERWISE,
REGIONWISE / STATEWISE DURING 1991-92 (GWH)

		HYDRO		
Region	State/U.Ts.	1991-92	1990-91	% increase
NORTHERN REGION	Haryana	4197.36	4329.02	-3.04
	Himachal Pradesh	1050.37	1262.38	-16.79
	Jammu & Kashmir	793.00	829.00	-4.34
	Punjab	8742.32	8678.75	0.73
	Rajasthan	3845.99	3712.98	3.58
	Uttar Pradesh	5556.00	5200.00	6.85
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Central Sector	3023.00	3145.11	-3.88
	Sub-Total	27208.04	27157.24	0.19
WESTERN REGION	Gujarat	833.48	1524.30	-45.32
	Madhya Pradesh	1498.81	1166.56	28.48
	Maharashtra	5822.71	5620.86	3.59
	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	8155.00	8311.72	-1.89
SOUTHERN REGION	Andhra Pradesh	9571.51	10064.49	-4.90
	Karnataka	10321.25	9648.03	6.98
	Kerala	5325.78	5490.75	-3.00
	Tamil Nadu	4409.56	3969.04	11.21
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	29628.10	29168.31	1.58
EASTERN REGION	Bihar	242.80	344.90	-29.60
	Orissa	5105.85	4422.78	15.44
	West Bengal	116.90	97.85	19.47
	D.V.C.	371.07	437.66	-15.22
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	36.96	38.89	-4.96
	Central Sector	0.00	0.00	0.00
	Sub-Total	5873.58	5342.08	9.95
NORTH EASTERN REGION	Assam	0.03	0.02	50.00
	Manipur	0.14	0.80	-82.50
	Meghalaya	421.09	338.63	24.35
	Nagaland	8.97	1.88	377.13
	Tripura	56.43	56.01	0.75
	Arunachal Pradesh	37.38	37.02	0.97
	Mizoram	0.92	1.86	-50.54
	Central Sector	1367.41	1225.74	11.56
	Sub-Total	1892.37	1661.96	13.86
	Total (All India)	72757.09	71641.31	1.56

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

TABLE No. 23(contd.)

		STEAM		
Region	State/U.Ts.	1991-92	1990-91	% increase
NORTHERN REGION	Haryana	3568.12	2609.24	36.75
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	5934.36	5938.79	-0.07
	Rajasthan	4284.20	3004.47	42.59
	Uttar Pradesh *	13185.71	14488.07	-8.99
	Chandigarh	0.00	0.00	0.00
	Delhi	1749.35	1526.00	14.64
	Central Sector	24731.09	20085.22	23.13
Sub-Total		53452.83	47651.79	12.17
WESTERN REGION	Gujarat	19368.62	18248.84	6.14
	Madhya Pradesh	11025.71	11770.90	-6.33
	Maharashtra	30457.64	28085.98	8.44
	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	19960.00	16010.10	24.67
Sub-Total		80811.97	74115.82	9.03
SOUTHERN REGION	Andhra Pradesh	8726.17	8101.62	7.71
	Karnataka	2585.71	2781.84	-7.05
	Kerala	0.00	0.00	0.00
	Tamil Nadu	9398.28	9206.54	2.08
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00
	Central Sector	19284.29	15547.31	24.04
Sub-Total		39994.45	35637.31	12.23
EASTERN REGION	Bihar	2349.50	2618.90	-10.29
	Orissa	1207.96	1369.15	-11.77
	West Bengal	10434.84	8878.82	17.53
	D.V.C.	4915.69	4468.60	10.01
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	3361.00	2949.40	13.96
Sub-Total		22268.99	20284.87	9.78
NORTH EASTERN REGION	Assam	634.86	631.92	0.47
	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		634.86	631.92	0.47
Total (All India)		197163.10	178321.71	10.57

*Includes 559.00 GWH of Unchahar Power House upto 12.2.92.

TABLE No. 23(contd.)

Region	State/U.Ts.	DIESEL & WIND		
		1971-72	1990-91	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.01	0.02	-50.00
	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	0.01	0.02	-50.00
WESTERN REGION	Gujarat	15.49 *	1.93	702.59
	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	15.49	1.93	702.59
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	23.60 @	30.46	-22.52
	Lakshadweep	10.64	9.60	10.83
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	34.24	40.06	-14.53
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.37	0.52	-28.85
	D.V.C.	0.00	0.00	0.00
	A.&N. Islands	51.79	39.42	31.38
	Sikkim	1.23	0.76	61.84
	Central Sector	0.00	0.00	0.00
	Sub-Total	53.39	40.70	31.18
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	2.69	0.84	220.24
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.04	0.15	-73.33
	Tripura	2.02	1.82	10.99
	Arunachal Pradesh	14.34	12.28	16.78
	Mizoram	11.82	13.50	-12.44
	Central Sector	0.00	0.00	0.00
	Sub-Total	30.91	28.59	8.11
	Total (All India)	134.04	111.20	20.43

* - Includes 14.99 GWH from windmill.

@ - Wind mill generation.

TABLE No. 23(contd.)

Region	State/U.Ts.	GAS		
		1991-92	1990-91	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	85.00	46.00	84.78
	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	662.00	537.45	23.17
Central Sector	6241.95	3897.39	60.16	
Sub-Total		6988.95	4480.84	55.97
WESTERN REGION	Gujarat	583.17	100.20	482.01
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	2919.74	2732.53	6.85
	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	0.18	0.00	0.00
Sub-Total		3503.09	2832.73	23.66
SOUTHERN REGION	Andhra Pradesh	357.00	82.99	330.17
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	1.53	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		358.53	82.99	332.02
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	30.55	23.56	29.67
	E.V.C.	43.61	40.49	7.71
	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		74.16	64.05	15.78
NORTH EASTERN REGION	Assam	444.68	574.43	-22.59
	Manipur	0.00	0.00	0.00
	Meghalaya	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	80.54	78.15	3.06
	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		525.22	652.58	-19.52
Total (All India)		11449.95	8113.19	41.13

TABLE No. 23(contd.)

		NUCLEAR		
Region.	State/U.Ts.	1991-92	1990-91	% 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	1654.24	2162.66	-23.51
	Sub-Total	1654.24	2162.66	-23.51
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	1710.00	1904.44	-10.21
	Sub-Total	1710.00	1904.44	-10.21
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	2160.16	2074.00	4.15
	Sub-Total	2160.16	2074.00	4.15
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)	5524.40	6141.10	-10.04

TABLE No. 24
GROSS ENERGY GENERATION BY STATE ELECTRICITY
BOARDS PRIME-MOVERWISE DURING 1991-92 (GWH)

REGION	NAME OF THE BOARD	TOTAL		
		1991-92	1990-91	% increase
NORTHERN REGION	Haryana	7765.48	6938.26	11.92
	Himachal Pradesh	1050.38	1262.40	-16.79
	Jammu & Kashmir	878.00	875.00	0.34
	Punjab	14676.68	14617.54	0.40
	Rajasthan	8130.19	6717.45	21.03
	Uttar Pradesh	18182.71	19483.60	-6.68
	Sub-Total	50683.44	49894.25	1.58
WESTERN REGION	Gujarat	18120.13	17431.88	3.95
	Madhya Pradesh	12524.52	12937.46	-3.19
	Maharashtra	31373.39	28763.75	9.07
	Sub-Total	62018.04	59133.09	4.88
SOUTHERN REGION	Andhra Pradesh	17563.32	17396.79	0.96
	Karnataka	707.43	708.86	-0.20
	Kerala	5325.78	5490.75	-3.00
	Tamil Nadu	13832.97	13202.04	4.78
	Sub-Total	37429.50	36798.44	1.71
EASTERN REGION	Bihar	2592.30	2963.80	-12.53
	Orissa	4252.34	3839.41	10.76
	West Bengal	2853.01	2857.58	-0.16
	Sub-Total	9697.65	9660.79	0.38
NORTH EASTERN REGION	Assam	1079.57	1206.37	-10.51
	Meghalaya	421.09	338.63	24.35
	Sub-Total	1500.66	1545.00	-2.87
	Total (All Boards)	161329.29	157031.57	2.74

TABLE No. 24 (Contd..)

(GWH)

REGION	NAME OF THE BOARD	HYDRO		
		1991-92	1990-91	% increase
NORTHERN REGION	Haryana	4197.36	4329.02	-3.04
	Himachal Pradesh	1050.37	1262.38	-16.79
	Jammu & Kashmir	793.00	829.00	-4.34
	Punjab	8742.32	8678.75	0.73
	Rajasthan	3845.99	3712.98	3.58
	Uttar Pradesh	5556.00	5200.00	6.85
Sub-Total		24185.04	24012.13	0.72
WESTERN REGION	Gujarat	833.48	1524.30	-45.32
	Madhya Pradesh	1498.81	1166.56	28.48
	Maharashtra	4186.81	4153.40	0.80
Sub-Total		6519.10	6844.26	-4.75
SOUTHERN REGION	Andhra Pradesh	8837.15	9295.17	-4.93
	Karnataka	707.43	708.86	-0.20
	Kerala	5325.78	5490.75	-3.00
	Tamil Nadu	4409.56	3965.04	11.21
Sub-Total		19279.92	19459.82	-0.92
EASTERN REGION	Bihar	242.80	344.90	-29.60
	Orissa	3044.38	2470.26	23.24
	West Bengal	116.90	97.85	19.47
Sub-Total		3404.08	2913.01	16.86
NORTH EASTERN REGION	Assam	0.03	0.02	50.00
	Meghalaya	421.09	338.63	24.35
Sub-Total		421.12	338.65	24.35
Total (All Boards)		53809.26	53567.87	0.45

TABLE No. 24 (Contd..)

(GWH)

REGION	NAME OF THE BOARD	STEAM		
		1991-92	1990-91	% increase
NORTHERN REGION	Haryana	3568.12	2609.24	36.75
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	5934.36	5938.79	-0.07
	Rajasthan	4284.20	3004.47	42.59
	Uttar Pradesh	12626.71	14283.60	-11.60
	Sub-Total	26413.39	25836.10	2.23
WESTERN REGION	Gujarat	17033.50	15807.10	7.76
	Madhya Pradesh	11025.71	11770.90	-6.33
	Maharashtra	24266.84	21877.82	10.92
	Sub-Total	52326.05	49455.82	5.80
SOUTHERN REGION	Andhra Pradesh	8726.17	8101.62	7.71
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamil Nadu	9398.28	9206.54	2.08
	Sub-Total	18124.45	17308.16	4.72
EASTERN REGION	Bihar	2349.50	2618.90	-10.29
	Orissa	1207.96	1369.15	-11.77
	West Bengal	2730.02	2735.65	-0.21
	Sub-Total	6287.48	6723.70	-6.49
NORTH EASTERN REGION	Assam	634.86	631.92	0.47
	Meghalaya	0.00	0.00	0.00
	Sub-Total	634.86	631.92	0.47
	Total (All Boards)	103786.23	99955.70	3.83

TABLE No. 24 (Contd..)

(GWH)

REGION	NAME OF THE BOARD	DIESEL & WIND		
		1991-92	1990-91	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.01	0.02	-50.00
	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
	Sub-Total	0.01	0.02	-50.00
WESTERN REGION	Gujarat	0.35	0.28	25.00
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	0.00	0.00	0.00
	Sub-Total	0.35	0.28	25.00
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 *	23.60	30.46	-22.52
	Sub-Total	23.60	30.46	-22.52
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	0.37	0.52	-28.85
	Sub-Total	0.37	0.52	-28.85
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)	24.33	31.28	-22.22

Wind mill generation

TABLE No. 24 (Contd..)

(GWH)

REGION	NAME OF THE BOARD	GAS		
		1991-92	1990-91	% increase
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	85.00	46.00	84.78
	Punjab	0.00	0.00	0.00
	Rajasthan	0.00	0.00	0.00
	Uttar Pradesh	0.00	0.00	0.00
	Sub-Total	85.00	46.00	84.78
WESTERN REGION	Gujarat	252.80	100.20	152.30
	Madhya Pradesh	0.00	0.00	0.00
	Maharashtra	2919.74	2732.53	6.85
	Sub-Total	3172.54	2832.73	12.00
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	1.53	0.00	0.00
	Sub-Total	1.53	0.00	0.00
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	5.72	23.56	-75.72
	Sub-Total	5.72	23.56	-75.72
NORTH EASTERN REGION	Assam	444.68	574.43	-22.59
	Meghalaya	0.00	0.00	0.00
	Sub-Total	444.68	574.43	-22.59
	Total (All Boards)	3709.47	3476.72	6.69

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

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
DURING 1991-92

(GWH)

REGION	OWNERSHIP	T O T A L		
		1991-92	1990-91	% increase
I. Electricity Deptts/Govt. Undertakings/ Corporation/Central Sector				
NORTHERN REGION	Uttar Pradesh	559.00	204.47	173.39
	Chandigarh	0.00	0.00	0.00
	Central Sector	35650.28	29290.38	21.71
WESTERN REGION	Gujarat	12.44	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	21670.18	17914.54	20.96
SOUTHERN REGION	Andhra Pradesh	1091.36	852.31	28.05
	Karnataka	12199.53	11721.01	4.08
	Lakshadweep	10.64	9.60	10.83
	Central Sector	21444.45	17621.31	21.70
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	2061.47	1952.52	5.58
	West Bengal	4508.00	3315.32	35.97
	D.V.C.	5330.37	4946.75	7.75
	A.&N. Islands	51.79	39.42	31.38
	Sikkim	38.19	39.65	-3.68
	Central Sector	3361.00	2949.40	13.96
NORTH EASTERN REGION	Manipur	2.83	1.64	72.56
	Nagaland	9.01	2.03	343.84
	Tripura	138.99	135.98	2.21
	Arunachal Pradesh	51.72	49.30	4.91
	Mizoram	12.74	15.36	-17.06
	Central Sector	1367.41	1225.74	11.56
Total (I)		109571.40	92286.73	18.73
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	2411.35	2063.45	16.86
Total (II)		2411.35	2063.45	16.86
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	2668.19	2443.39	9.20
	Maharashtra	7826.70	7675.62	1.97
EASTERN REGION	West Bengal	3221.65	2827.85	13.93
Total (III)		13716.54	12946.86	5.94

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEMOVERWISE/REGIONWISE
DURING 1991-92

(GWH)

REGION	OWNERSHIP	H Y D R O		
		1991-92	1990-91	% increase
I. Electricity Deptts/Govt. Undertakings/ Corporation/Central Sector				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	3023.00	3145.11	-3.88
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	734.36	769.32	-4.54
	Karnataka	9613.82	8939.17	7.55
	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	2061.47	1952.52	5.58
	West Bengal	0.00	0.00	0.00
	D.V.C.	371.07	437.66	-15.22
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	36.96	38.89	-4.96
	Central Sector	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	0.14	0.80	-82.50
	Nagaland	8.97	1.88	377.13
	Tripura	56.43	56.01	0.75
	Arunachal Pradesh	37.38	37.02	0.97
	Mizoram	0.92	1.86	-50.54
	Central Sector	1367.41	1225.74	11.56
Total (I)		17311.93	16605.98	4.25
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
	Maharashtra	1635.90	1467.46	11.48
EASTERN REGION	West Bengal	0.00	0.00	0.00
Total (III)		1635.90	1467.46	11.48

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
DURING 1991-92 (GWH)

REGION	OWNERSHIP	S T E A M		
		1991-92	1990-91	% increase
I. Electricity Deptts/Govt. Undertakings/ Corporation/Central Sector				
NORTHERN REGION	Uttar Pradesh	559.00	204.47	173.39
	Chandigarh	0.00	0.00	0.00
	Central Sector	24731.09	20085.22	23.13
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	19960.00	16010.10	24.67
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	2585.71	2781.84	-7.05
	Lakshadweep	0.00	0.00	0.00
	Central Sector	19284.29	15547.31	24.04
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	4508.00	3315.32	35.97
	D.V.C.	4915.69	4468.60	10.01
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Central Sector	3361.00	2949.40	13.96
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)		79904.78	65362.26	22.25
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	1749.35	1526.00	14.64
Total (II)		1749.35	1526.00	14.64
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	2335.12	2441.74	-4.37
	Maharashtra	6190.80	6208.16	-0.28
EASTERN REGION	West Bengal	3196.82	2827.85	13.05
Total (III)		11722.74	11477.75	2.13

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
DURING 1991-92 (GWH)

REGION	OWNERSHIP	DIESEL & WIND			
		1991-92	1990-91	% increase	
I. Electricity Deptts/Govt. 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	12.44	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	10.64	9.60	10.83	
	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	
	D.V.C.	0.00	0.00	0.00	
	A.&N.Islands	51.79	39.42	31.38	
	Sikkim	1.23	0.76	61.84	
Central Sector	0.00	0.00	0.00		
NORTH EASTERN REGION	Manipur	2.69	0.84	220.24	
	Nagaland	0.04	0.15	-73.33	
	Tripura	2.02	1.82	10.99	
	Arunachal Pradesh	14.34	12.28	16.78	
	Mizoram	11.82	13.50	-12.44	
	Central Sector	0.00	0.00	0.00	
Total (I)		107.01	78.37	36.54	
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	**	2.70	1.65	63.64
	Maharashtra		0.00	0.00	0.00
EASTERN REGION	West Bengal		0.00	0.00	0.00
Total (III)		**	2.70	1.65	63.64

** Includes 2.55 GWH from wind mill.

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEOVERWISE/REGIONWISE
DURING 1991-92

(GWH)

REGION	OWNERSHIP	GAS		
		1991-92	1990-91	% increase
I. Electricity Deptts/Govt. Undertakings/ Corporation/Central Sector				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	6241.95	3897.39	60.16
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	0.18	0.00	0.00
SOUTHERN REGION	Andhra Pradesh	357.00	82.99	330.17
	Karnataka	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00
	Tamilnadu	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
	D.V.C.	43.61	40.49	7.71
	A.&N. Islands	0.00	0.00	0.00
	Sikkim Central Sector	0.00 0.00	0.00 0.00	0.00 0.00
NORTH EASTERN REGION	Manipur	0.00	0.00	0.00
	Nagaland	0.00	0.00	0.00
	Tripura	80.54	78.15	3.06
	Arunachal Pradesh	0.00	0.00	0.00
	Mizoram Central Sector	0.00 0.00	0.00 0.00	0.00 0.00
Total (I)		6723.28	4099.02	64.02
II. MUNICIPALITIES				
NORTHERN REGION	Delhi	662.00	537.45	23.17
Total (II)		662.00	537.45	23.17
III. PRIVATE LICENSEES				
WESTERN REGION	Gujarat	330.37	0.00	0.00
	Maharashtra	0.00	0.00	0.00
EASTERN REGION	West Bengal	24.83	0.00	0.00
Total (III)		355.20	0.00	0.00

GROSS ENERGY GENERATION BY ELECTRICITY DEPARTMENTS/
GOVT. UNDERTAKINGS, CENTRAL SECTOR, MUNICIPALITIES
AND PRIVATE SECTOR-PRIMEWISE/REGIONWISE
DURING 1991-92

(GWH)

REGION	OWNERSHIP	NUCLEAR		
		1991-92	1990-91	% increase
I. Electricity Deptts/Govt. Undertakings/ Corporation/Central Sector				
NORTHERN REGION	Uttar Pradesh	0.00	0.00	0.00
	Chandigarh	0.00	0.00	0.00
	Central Sector	1654.24	2162.66	-23.51
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Goa	0.00	0.00	0.00
	Central Sector	1710.00	1904.44	-10.21
SOUTHERN REGION	Andhra Pradesh	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
	Lakshadweep	0.00	0.00	0.00
	Central Sector	2160.16	2074.00	4.15
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
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)		5524.40	6141.10	-10.04
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
	Maharashtra	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-1991-92

Range of generation (GWH)		No. of Under- takings	Total energy generated (GWH)	% of Total	Installed capacity of the group (MW)	% of Total
Under	1	9	0.55	0.00	648.51	0.94
Over	1 upto 10	3	14.39	0.01	20.43	0.03
Over	10 upto 25	3	35.82	0.01	40.94	0.06
Over	25 upto 50	3	97.59	0.03	291.97	0.42
Over	50 upto 100	3	191.75	0.07	78.34	0.11
Over	100 upto 250	2	345.48	0.12	125.36	0.18
Over	250 upto 500	2	778.09	0.27	232.76	0.34
Over	500 upto 1000	10	7279.15	2.54	2488.02	3.60
Over	1000 upto 5000	22	53695.25	18.71	13285.00	19.24
Over	5000 upto 10000	7	47563.85	16.57	10893.75	15.77
Over	10000	11	177026.66	61.68	40960.11	59.31
		75	287028.58	100.00	69065.19	100.00

SECTION IV

Captive Plants

SECTION-IV

CAPTIVE PLANTS

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 Aluminium, Cement, Fertilizers, Iron, Steel, Paper & Sugar etc. have their own captive 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.

With the ever increasing number of industrial units having their own captive power plants, (the number of industries having captive plants of capacity more than 100 KW or contract demand of more than 500 KVA rose from 828 in 1950 to 3648 during 1985-86), it was found not feasible to cover the data of all the industrial units. It was, therefore, decided to cover only the selected industrial units viz. the units having their own captive plants with a total installed capacity of 1000 KW and above from the year 1986-87. Accordingly, the data for captive plants of 1.00 MW and above only are being highlighted in the section.

While during the year 1990-91 as per data available, there were 1363 selected industrial units, as per the above criteria, with a total installed capacity of 85,01,588 KW and these generated 25,081.81 GWH of electricity. During 1991-92, the number of industrial units increased to 1427 having a total installed capacity of 91,68,175 KW which generated 28,579.97 GWH of electricity.

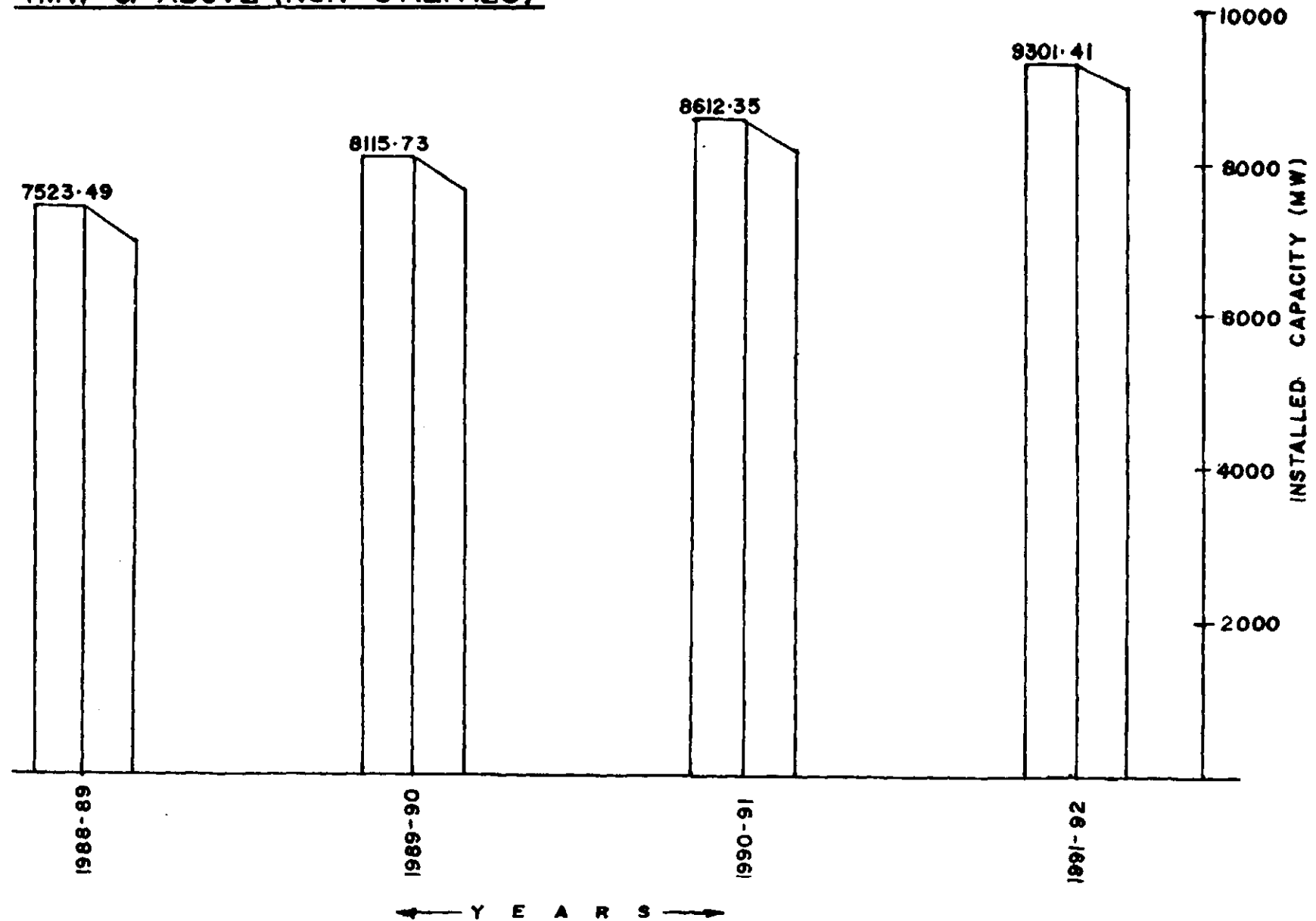
92.67% of total captive generation was contributed by the industries of nine categories producing primary infrastructure material and generating above 600 GWH individually. The details of which are given below:-

Sl.No.	Name of the Industry	Energy Generation (GWH)
1.	Aluminium (P)	8583
2.	Cement (P)	994
3.	Chemicals	1725
4.	Fertilizers	2853
5.	Iron & Steel (P)	5950
6.	Mineral Oil & Petroleum	1983
7.	Paper	1250
8.	Sugar	1533
9.	Textile	1613
Total		26484

Apart from industrial units, Railways have also got captive generating sets, which are mainly used as a standby for emergency purposes. Total capacity of captive plants of Railways during the year 1991-92 was 1,33,227 KW and they generated 22.52 GWH of electricity.

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

ALL INDIA - GENERATING CAPACITY OF PLANTS HAVING INSTALLED CAPACITY OF
1 MW & ABOVE (NON-UTILITIES)



ALL INDIA GROSS GENERATION OF PLANTS HAVING INSTALLED
CAPACITY OF 1 MW & ABOVE (NON-UTILITIES)

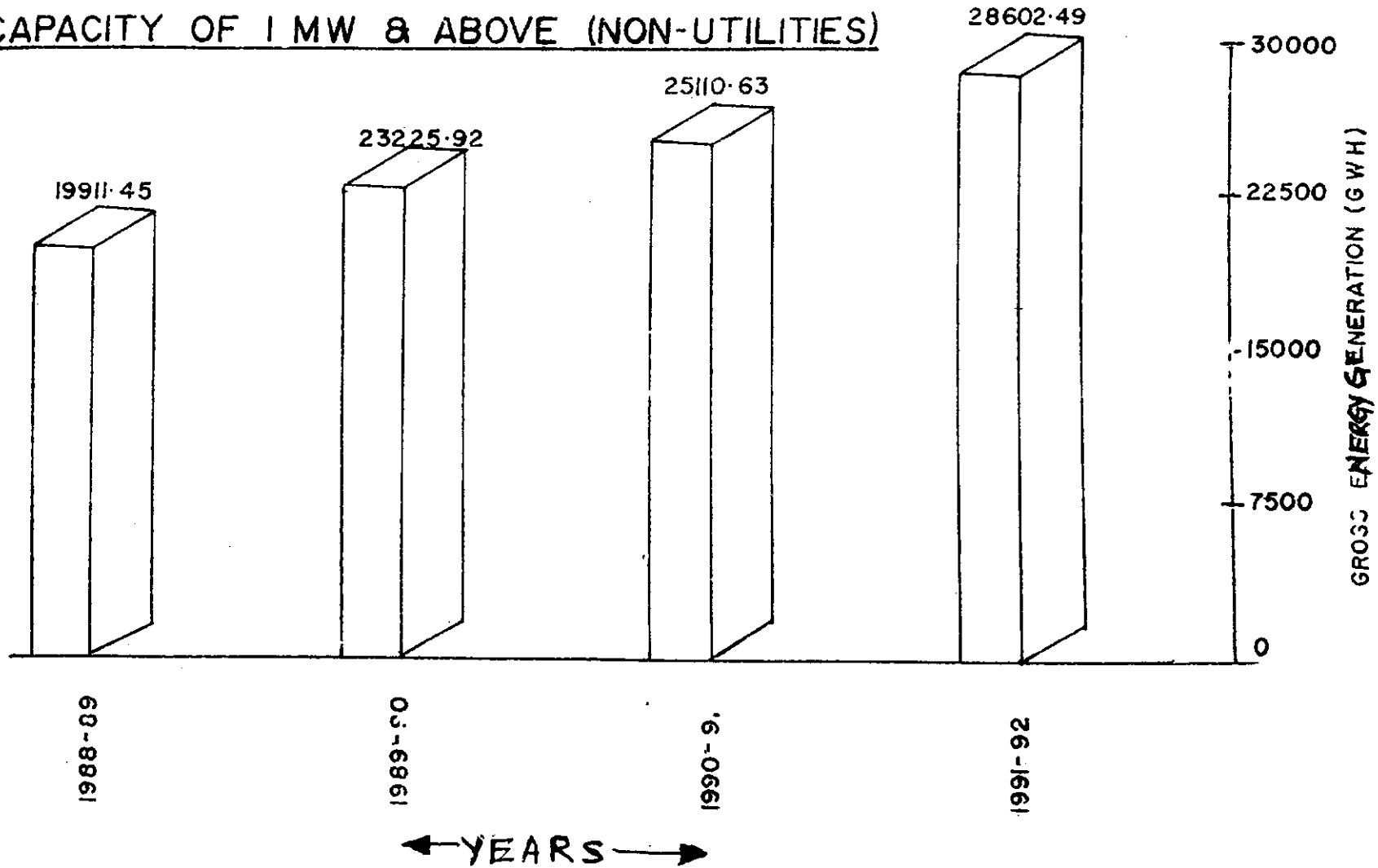


TABLE No. 27

INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE AS ON 31ST MARCH, 1992.

(IN KW)

Region	State/U.Ts.	Aluminium (P)	Aluminium (S)	Automobiles
NORTHERN REGION	Haryana	0	1456	16228
	Himachal Pradesh	0	0	0
	Jammu & Kashmir	0	0	0
	Punjab	0	0	8795
	Rajasthan	0	1888	2200
	Uttar Pradesh	337800	0	5899
	Chandigarh	0	0	0
	Delhi	0	0	0
	Sub-Total	337800	3344	33122
WESTERN REGION	Gujarat	0	0	0
	Madhya Pradesh	270000	0	3240
	Maharashtra	0	0	46182
	Goa	0	0	0
	Daman & Diu	0	0	0
	D.&N. Haveli	0	0	0
	Sub-Total	270000	0	49422
SOUTHERN REGION	Andhra Pradesh	0	0	0
	Karnataka	0	2264	9184
	Kerala	0	0	0
	Tamil Nadu	0	0	18466
	Pondicherry	0	0	0
	Lakshadweep	0	0	0
	Sub-Total	0	2264	27650
EASTERN REGION	Bihar	0	7380	0
	Orissa	600000	55500	0
	West Bengal	0	1376	18064
	A.&N. Islands	0	0	0
	Sikkim	0	0	0
	Sub-Total	600000	64256	18064
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)		1207800	69864	128258

P = PRIMARY
S = SECONDARY

TABLE No. 27 (Contd.)

INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE AS ON 31ST MARCH, 1992.

(IN KW)

Region	State/U.Ts.	Cement (F)	Cement (S)	Chemicals	Collieries
NORTHERN REGION	Haryana	12000	10580	8994	0
	Himachal Pradesh	9900	0	0	0
	Jammu & Kashmir	0	0	0	0
	Punjab	0	0	1048	0
	Rajasthan	145756	5700	7000	0
	Uttar Pradesh	0	0	25384	0
	Chandigarh	0	0	1490	0
Delhi	0	0	29000	0	
	Sub-Total	167656	16280	72916	0
WESTERN REGION	Gujarat	33575	1376	280547	0
	Madhya Pradesh	99950	18424	3454	2600
	Maharashtra	4000	0	59081	0
	Goa	0	0	14656	0
	Daman & Diu	0	0	0	0
	D.&.N. Haveli	0	0	0	0
	Sub-Total	137525	19800	357738	2600
SOUTHERN REGION	Andhra Pradesh	78632	4174	100383	52400
	Karnataka	135620	0	23792	0
	Kerala	0	0	2460	0
	Tamil Nadu	54716	2060	50886	0
	Pondicherry	0	0	0	0
	Lakshdweep	0	0	0	0
	Sub-Total	268968	6234	177521	52400
EASTERN REGION	Bihar	26180	0	0	44100
	Orissa	20000	3563	0	0
	West Bengal	0	1877	21838	21600
	A.&.N. Islands	0	0	0	0
	Sikkim	0	0	0	0
	Sub-Total	46180	5440	21838	65700
NORTH EASTERN REGION	Assam	1600	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	1600	0	0	0
	Total (All India)	621929	47754	630019	120700

F = PRIMARY
S = SECONDARY

TABLE No. 27(Contd.)

INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE AS ON 31ST MARCH, 1992.

(IN KW)

Region	State/U.Ts.	Electrical Engineering	Fertilizer	Food Products	Heavy Engineering
NORTHERN REGION	Haryana	8950	31500	2294	0
	Himachal Pradesh	0	0	0	0
	Jammu & Kashmir	0	0	0	0
	Punjab	2464	34400	18828	0
	Rajasthan	0	45000	0	1760
	Uttar Pradesh	29855	43660	7614	4310
	Chandigarh	2420	0	0	0
	Delhi	1846	0	1200	0
	Sub-Total	45535	154560	29936	6070
WESTERN REGION	Gujarat	5336	126438	4288	0
	Madhya Pradesh	5688	27500	1200	0
	Maharashtra	19916	30000	2260	18400
	Goa	0	0	0	0
	Daman & Diu	0	0	0	0
	D.&.N. Haveli	0	0	0	0
	Sub-Total	30940	183938	7748	18400
SOUTHERN REGION	Andhra Pradesh	3760	14600	8198	17420
	Karnataka	26926	52000	1950	30598
	Kerala	0	17950	0	1128
	Tamil Nadu	10326	13517	3021	6182
	Pondicherry	0	0	0	0
	Lakshdweep	0	0	0	0
	Sub-Total	41012	98067	13169	55328
EASTERN REGION	Bihar	2690	98500	0	31000
	Orissa	1064	66000	0	3594
	West Bengal	10946	55100	14682	22061
	A.&.N. Islands	0	0	0	0
	Sikkim	0	0	0	0
	Sub-Total	14700	219600	14682	56655
NORTH EASTERN REGION	Assam	0	30750	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	30750	0	0
	Total (All India)	132187	686915	65535	136453

TABLE No. 27(Contd.)

INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE AS ON 31ST MARCH, 1992.

(IN KW)

Region	State/U.Ts.	Iron & Steel (P)	Iron & Steel (S)	Jute	Light Engineering
NORTHERN REGION	Haryana	0	17676	0	28321
	Himachal Pradesh	0	0	0	0
	Jammu & Kashmir	0	0	0	0
	Punjab	0	1024	0	12466
	Rajasthan	0	9800	0	19448
	Uttar Pradesh	0	17683	2750	10454
	Chandigarh	0	0	0	0
	Delhi	0	0	0	0
	Sub-Total	0	46183	2750	70689
WESTERN REGION	Gujarat	0	23832	0	3208
	Madhya Pradesh	110000	2600	0	4840
	Maharashtra	0	25784	0	37459
	Goa	0	0	0	0
	Daman & Diu	0	0	0	0
	D.&.N. Haveli	0	0	0	0
	Sub-Total	110000	52216	0	45307
SOUTHERN REGION	Andhra Pradesh	220000	3720	11032	0
	Karnataka	1760	2408	0	29114
	Kerala	0	0	0	0
	Tamil Nadu	2928	19576	0	32611
	Pondicherry	0	0	0	0
	Lakshdweep	0	0	0	0
	Sub-Total	224688	25704	11032	61725
EASTERN REGION	Bihar	539400	18963	3632	0
	Orissa	258152	3840	1000	0
	West Bengal	200000	7000	182100	14293
	A.&.N. Islands	0	0	0	0
	Sikkim	0	0	0	0
	Sub-Total	997552	29803	186732	14293
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)	1332240	153906	200514	192214

P = PRIMARY
S = SECONDARY

TABLE No. 27(Contd.)

INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE AS ON 31ST MARCH, 1992.

(IN KW)

Region	State/U.Ts.	Mineral Oil & Petroleum	Mining & Quarrying	Miscella- neous	Non- Ferrous	Paper
NORTHERN REGION	Haryana	0	0	23441	0	29670
	Himachal Pradesh	0	0	0	0	0
	Jammu & Kashmir	0	0	0	0	0
	Punjab	0	0	3800	0	7160
	Rajasthan	0	0	1260	75460	0
	Uttar Pradesh	37500	0	17630	0	19180
	Chandigarh	0	0	0	0	0
	Delhi	0	0	5104	0	0
	Sub-Total	37500	0	51235	75460	56010
WESTERN REGION	Gujarat	87500	0	1530	1900	6000
	Madhya Pradesh	0	1200	3591	6800	45270
	Maharashtra	110332	0	7920	0	21393
	Goa	0	0	0	0	0
	Daman & Diu	0	0	0	0	0
	D.&.N. Haveli	0	0	0	0	0
	Sub-Total	197832	1200	13041	8700	72663
SOUTHERN REGION	Andhra Pradesh	21920	0	9720	41328	58878
	Karnataka	0	1600	3450	11638	49690
	Kerala	25636	0	4690	5000	23400
	Tamil Nadu	39000	1048	11995	11170	14790
	Pondicherry	0	0	1600	0	0
	Lakshdweep	0	0	0	0	0
	Sub-Total	86556	2648	31455	69136	146758
EASTERN REGION	Bihar	36500	5800	3886	17100	16000
	Orissa	0	3450	6141	108000	35600
	West Bengal	21000	0	18800	0	35225
	A.&.N. Islands	0	0	0	0	0
	Sikkim	0	0	0	0	0
	Sub-Total	57500	9250	28827	125100	86825
NORTH EASTERN REGION	Assam	257016	0	0	0	30000
	Manipur	0	0	0	0	0
	Meghalaya	0	0	0	0	0
	Nagaland	0	0	0	0	0
	Tripura	0	0	0	0	0
	Arunachal Pradesh	0	0	0	0	0
	Mizoram	0	0	0	0	0
	Sub-Total	257016	0	0	0	30000
	Total (All India)	636404	13098	124558	278396	392256

TABLE No. 27(Contd.)

INSTALLED GENERATING CAPACITY OF SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE AS ON 31ST MARCH, 1992.

(IN KW)

Region	State/U.Ts.	Plastic	Rubber	Sugar	Textile	Total
NORTHERN REGION	Haryana	0	11528	20067	28024	250729
	Himachal Pradesh	0	0	0	2268	12168
	Jammu & Kashmir	0	0	0	0	0
	Punjab	0	1000	13950	42645	148180
	Rajasthan	0	18128	3160	113203	447813
	Uttar Pradesh	0	12440	256161	109167	937487
	Chandigarh	0	0	0	0	3910
Delhi	0	0	0	22304	59454	
	Sub-Total	0	43696	293338	317661	1861741
WESTERN REGION	Gujarat	0	0	60485	154500	790515
	Madhya Pradesh	0	0	14641	82500	703498
	Maharashtra	0	13788	172555	138633	707703
	Goa	0	0	0	0	14656
	Daman & Diu	0	0	0	0	0
	D.&N. Haveli	0	0	0	0	0
	Sub-Total	0	13788	247681	375633	2216372
SOUTHERN REGION	Andhra Pradesh	0	1537	67640	18634	733976
	Karnataka	0	5376	85500	27500	500370
	Kerala	0	4360	2498	8556	95678
	Tamil Nadu	6750	32190	78375	250020	659627
	Pondicherry	0	0	5748	1600	8948
	Lakshdweep	0	0	0	0	0
	Sub-Total	6750	43463	239761	306310	1998599
EASTERN REGION	Bihar	0	0	29260	2249	882640
	Orissa	0	0	2837	8478	1177219
	West Bengal	0	12080	0	49020	707062
	A.&N. Islands	0	0	0	0	0
	Sikkim	0	0	0	0	0
	Sub-Total	0	12080	32097	59747	2766921
NORTH EASTERN REGION	Assam	0	0	1500	2176	323042
	Manipur	0	0	0	0	0
	Meghalaya	0	0	0	0	0
	Nagaland	0	0	1500	0	1500
	Tripura	0	0	0	0	0
	Arunachal Pradesh	0	0	0	0	0
	Mizoram	0	0	0	0	0
	Sub-Total	0	0	3000	2176	324542
	Total (All India)	6750	113027	815877	1061527	9168175

TABLE No. 28

GROSS ELECTRICITY GENERATION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92 (GWH)

Region	State/U.Ts.	Aluminium (P)	Aluminium (S)	Automobile
NORTHERN REGION	Haryana	0.00	0.42	10.97
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	2.48
	Rajasthan	0.00	0.03	0.12
	Uttar Pradesh	2850.67	0.00	0.94
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	2850.67	0.45	14.51
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	1803.10	0.00	0.66
	Maharashtra	0.00	0.00	12.43
	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	1803.10	0.00	13.09
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	0.94	8.25
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	10.53
	Pondicherry	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00
	Sub-Total	0.00	0.94	18.78
EASTERN REGION	Bihar	0.00	20.79	0.00
	Orissa	3929.12	175.95	0.00
	West Bengal	0.00	1.01	3.31
	A.&N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Sub-Total	3929.12	197.75	3.31
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)	8582.89	199.14	49.69

P = PRIMARY
S = SECONDARY

TABLE No. 28(Contd.)

(GMH)

Region	State/U.Ts.	Cement (P)	Cement (S)	Chemicals	Collieries
NORTHERN REGION	Haryana	20.74	17.85	5.75	0.00
	Himachal Pradesh	0.47	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	1.33	0.00
	Rajasthan	205.88	6.46	22.00	0.00
	Uttar Pradesh	0.00	0.00	53.54	0.00
	Chandigarh	0.00	0.00	0.92	0.00
	Delhi	0.00	0.00	162.28	0.00
	Sub-Total	227.09	24.31	245.82	0.00
WESTERN REGION	Gujarat	50.91	0.08	1012.54	0.00
	Madhya Pradesh	189.70	14.45	1.51	3.46
	Maharashtra	0.06	0.00	19.10	0.00
	Goa	0.00	0.00	60.40	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	240.67	14.53	1093.55	3.46
SOUTHERN REGION	Andhra Pradesh	70.50	4.11	193.74	99.06
	Karnataka	318.32	0.00	78.85	0.00
	Kerala	0.00	0.00	0.06	0.00
	Tamil Nadu	52.80	0.27	72.99	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00
	Sub-Total	441.62	4.38	345.64	99.06
EASTERN REGION	Bihar	66.01	0.00	0.00	115.26
	Orissa	16.93	0.44	0.00	0.00
	West Bengal	0.00	0.40	40.10	102.00
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	82.94	0.84	40.10	217.26
NORTH EASTERN REGION	Assam	1.20	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 Mizoram	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	Sub-Total	1.20	0.00	0.00	0.00
	Total (All India)	993.52	44.06	1725.11	319.78

TABLE No. 28(Contd.)

Page No. 91

(GWH)

Region	State/U.Ts.	Electrical Engineering	Ferti-lizers	Food Products	Heavy Engineering
NORTHERN REGION	Haryana	9.22	171.00	1.79	0.00
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.39	162.48	23.65	0.00
	Rajasthan	0.00	350.69	0.00	0.69
	Uttar Pradesh	21.49	248.74	3.99	1.50
	Chandigarh	7.13	0.00	0.00	0.00
	Delhi	0.70	0.00	2.50	0.00
	Sub-Total	38.93	932.91	31.93	2.19
WESTERN REGION	Gujarat	0.37	746.91	3.85	0.00
	Madhya Pradesh	2.46	212.85	0.01	0.00
	Maharashtra	4.29	166.39	0.18	13.04
	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	7.12	1126.15	4.04
SOUTHERN REGION	Andhra Pradesh	0.45	38.35	14.22	11.60
	Karnataka	20.20	211.25	2.61	29.60
	Kerala	0.00	67.76	0.00	0.66
	Tamil Nadu	9.65	29.79	1.37	6.46
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00
		Sub-Total	30.30	347.15	18.20
EASTERN REGION	Bihar	0.23	223.32	0.00	33.70
	Orissa	1.53	54.05	0.00	0.07
	West Bengal	4.60	12.72	6.18	3.76
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
		Sub-Total	6.36	290.09	6.18
NORTH EASTERN REGION	Assam	0.00	156.40	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	156.40	0.00
	Total (All India)	82.73	2852.70	60.35	101.08

TABLE No. 28(Contd.)

(GW)

Region	State/U.Ts.	Iron & Steel (P)	Iron & Steel (S)	Jute	Light Engineering
NORTHERN REGION	Haryana	0.00	30.73	0.00	19.38
	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	3.46
	Rajasthan	0.00	1.17	0.00	10.73
	Uttar Pradesh	0.00	6.76	1.19	4.02
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Sub-Total	0.00	38.66	1.19	37.59
WESTERN REGION	Gujarat	0.00	121.34	0.00	1.25
	Madhya Pradesh	758.04	1.29	0.00	1.39
	Maharashtra	0.00	0.31	0.00	16.84
	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	758.04	122.94	0.00	19.48
SOUTHERN REGION	Andhra Pradesh	1021.00	1.96	2.98	0.00
	Karnataka	0.00	1.46	0.00	18.57
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	0.31	9.08	0.00	27.55
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00
	Sub-Total	1021.31	12.50	2.98	46.12
EASTERN REGION	Bihar	2306.05	10.18	4.41	0.00
	Orissa	1032.70	7.75	0.62	0.00
	West Bengal	831.60	2.00	160.29	1.58
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	4170.35	19.93	165.32	1.58
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)	5949.70	194.03	169.49	104.77

P = PRIMARY
S = SECONDARY

TABLE No. 28(Contd.)

(GWH)

REGION	State/U. Ts.	Mineral Oil & Petroleum	Mining & Quar- rying	Miscell- aneous	Non- Ferrous	Paper
NORTHERN REGION	Haryana	0.00	0.00	17.50	0.00	168.03
	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	7.24	0.00	9.67
	Rajasthan	0.00	0.00	0.19	23.68	0.00
	Uttar Pradesh	172.94	0.00	5.41	0.00	70.28
	Chandigarh Delhi	0.00 0.00	0.00 0.00	0.00 0.50	0.00 0.00	0.00 0.00
	Sub-Total	172.94	0.00	30.84	23.68	247.98
WESTERN REGION	Gujarat	392.66	0.00	0.01	0.00	0.00
	Madhya Pradesh	0.00	0.03	0.74	1.08	171.60
	Maharashtra	478.35	0.00	7.03	0.00	128.32
	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	0.00	0.00	0.00	0.00
	Sub-Total	871.01	0.03	7.78	1.08	299.92
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	2.96	122.51	167.53
	Karnataka	0.00	0.88	3.87	0.54	115.10
	Kerala	79.69	0.00	1.54	0.13	69.39
	Tamil Nadu	137.90	0.21	9.41	14.63	30.23
	Pondicherry	0.00	0.00	0.76	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00	0.00
	Sub-Total	217.59	1.09	18.54	137.81	382.25
EASTERN REGION	Bihar	125.90	0.00	3.48	23.19	0.00
	Orissa	0.00	0.68	0.84	363.64	163.27
	West Bengal	128.39	0.00	8.40	0.00	15.54
	A.&N. Islands	0.00	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	254.29	0.68	12.72	386.83	178.81
NORTH EASTERN REGION	Assam	466.70	0.00	0.00	0.00	140.66
	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	466.70	0.00	0.00	0.00	140.66
	Total (All India)	1982.53	1.80	69.88	549.40	1249.62

TABLE No. 2B(Contd.)

(GM)

REGION	State/U.Ts	Plastic	Rubber	Sugar	Textile	Total
NORTHERN REGION	Haryana	0.00	25.76	52.13	25.50	576.77
	Himachal Pradesh	0.00	0.00	0.00	0.71	1.18
	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
	Punjab	0.00	0.57	19.50	29.86	260.63
	Rajasthan	0.00	0.63	5.86	64.68	692.81
	Uttar Pradesh	0.00	23.57	492.16	77.50	4054.70
	Chandigarh Delhi	0.00 0.00	0.00 0.00	0.00 0.00	0.00 10.00	8.05 175.98
	Sub-Total	0.00	50.53	569.65	228.25	5770.12
WESTERN REGION	Gujarat	0.00	0.00	135.90	140.10	2605.92
	Madhya Pradesh	0.00	0.00	19.03	244.18	3425.58
	Maharashtra	0.00	3.73	311.15	159.50	1320.72
	Goa	0.00	0.00	0.00	0.00	60.40
	Daman & Diu	0.00	0.00	0.00	0.00	0.00
	D.&N. Haveli	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.00	3.73	466.08	543.78	7412.62
SOUTHERN REGION	Andhra Pradesh	0.00	0.44	90.00	43.74	1885.15
	Karnataka	0.00	16.00	158.00	130.00	1114.44
	Kerala	0.00	2.10	3.42	8.62	233.37
	Tamil Nadu	13.96	33.54	179.27	569.16	1209.11
	Pondicherry	0.00	0.00	11.63	0.77	13.16
	Lakshdweep	0.00	0.00	0.00	0.00	0.00
	Sub-Total	13.96	52.08	442.32	752.29	4455.23
EASTERN REGION	Bihar	0.00	0.00	49.84	1.14	2983.50
	Orissa	0.00	0.00	3.19	13.33	5764.13
	West Bengal	0.00	31.17	0.00	71.07	1424.12
	A.&N. Islands	0.00	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.00	31.17	53.03	85.54	10171.75
NORTH EASTERN REGION	Assam	0.00	0.00	0.13	3.18	768.27
	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	1.98	0.00	1.98
	Tripura	0.00	0.00	0.00	0.00	0.00
	Arunachal Pradesh Mizoram	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00
	Sub-Total	0.00	0.00	2.11	3.18	770.25
	Total (All India)	13.96	137.51	1533.19	1613.04	26579.97

TABLE No. 29

**ELECTRICITY PRODUCTION AND CONSUMPTION IN SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1MW & ABOVE)
INDUSTRYWISE DURING 1991-92**

Name of Industry	No. of Factories Covered	INSTALLED CAPACITY (KW)				AS ON 31.3.92
		Hydro	Steam	Diesel	Gas	
Aluminium (P)	3	0	1207800	0	0	1207800
Aluminium (S)	7	0	62000	7864	0	69864
Automobiles	39	0	0	128258	0	128258
Cement (P)	66	0	225900	396129	0	621929
Cement (S)	18	0	10600	37154	0	47754
Chemicals	86	0	352935	199678	77400	630013
Collieries	12	0	110600	10100	0	120700
Electrical Engg.	56	0	17100	115087	0	132187
Fertilizer	28	0	443000	110125	133790	686915
Food Products	36	0	5000	57735	2800	65535
Heavy Engineering	33	0	0	136453	0	136453
Iron & Steel (P)	9	0	1289500	42740	0	1332240
Iron & Steel (S)	49	0	6500	127206	20200	153906
Jute	72	0	16500	184014	0	200514
Light Engineering	71	0	2500	189714	0	192214
Mineral Oil & Petroleum	20	0	256500	138872	241032	636404
Mining & Quarrying	8	0	0	13098	0	13098
Miscellaneous	56	0	0	124558	0	124558
Non-Ferrous	21	0	123100	135296	20000	278396
Paper	44	0	320700	71556	0	392256
Plastic	1	0	0	6750	0	6750
Rubber	18	0	6000	107027	0	113027
Sugar	276	700	650400	164277	500	815877
Textile	398	3600	270561	787366	0	1061527
Total	1427	4300	5377096	3291057	495722	9168175

P = PRIMARY
S = SECONDARY

TABLE No. 29 (Contd.)

Name of Industry i	ENERGY GENERATED (GMH)				Total 6
	Hydro 2	Steam 3	Diesel 4	Gas 5	
Aluminium (P)	0.00	8582.89	0.00	0.00	8582.89
Aluminium (S)	0.00	196.74	2.40	0.00	199.14
Automobiles	0.00	0.00	49.69	0.00	49.69
Cement (P)	0.00	522.74	470.78	0.00	993.52
Cement (S)	0.00	6.35	37.71	0.00	44.06
Chemicals	0.00	919.26	344.23	461.62	1725.11
Collieries	0.00	317.71	2.07	0.00	319.78
Electrical Engg.	0.00	21.03	61.70	0.00	82.73
Fertilizer	0.00	1952.01	410.75	489.94	2852.70
Food Products	0.00	10.20	46.38	3.77	60.35
Heavy Engineering	0.00	0.00	101.08	0.00	101.08
Iron & Steel (P)	0.00	5949.15	0.55	0.00	5949.70
Iron & Steel (S)	0.00	0.48	74.56	118.99	194.03
Jute	0.00	53.96	115.53	0.00	169.49
Light Engineering	0.00	2.38	102.39	0.00	104.77
Mineral Oil & Petroleum	0.00	1009.99	141.62	830.92	1982.53
Mining & Quarrying	0.00	0.00	1.80	0.00	1.80
Miscellaneous	0.00	0.00	69.88	0.00	69.88
Non-Ferrous	0.00	383.82	165.58	0.00	549.40
Paper	0.00	1081.73	167.89	0.00	1249.62
Plastic	0.00	0.00	13.96	0.00	13.96
Rubber	0.00	26.18	111.33	0.00	137.51
Sugar	0.00	1316.18	217.01	0.00	1533.19
Textile	17.57	1056.55	538.92	0.00	1613.04
Total	17.57	23409.35	3247.81	1905.24	28579.97

P = PRIMARY
S = SECONDARY

TABLE No. 29 (Contd.)

Name of Industry	(GWH)		
	Energy used in station auxiliaries 7	Net energy generation (6-7) 8	Energy sold to utilities 9
Aluminium (P)	850.52	7732.37	624.98
Aluminium (S)	17.52	181.62	0.00
Automobiles	2.15	- 47.54	0.00
Cement (P)	69.50	924.02	0.00
Cement (S)	1.50	42.56	0.00
Chemicals	95.10	1630.01	61.75
Collieries	31.50	288.28	88.95
Electrical Engg.	6.40	76.33	0.00
Fertilizer	326.50	2526.20	183.39
Food Products	3.10	57.25	0.00
Heavy Engineering	5.20	95.88	0.00
Iron & Steel (P)	1375.50	4574.20	153.63
Iron & Steel (S)	5.80	188.23	0.10
Jute	8.00	161.49	0.00
Light Engineering	4.20	100.57	0.00
Mineral Oil & Petroleum	195.50	1787.03	24.31
Mining & Quarrying	0.05	1.75	0.00
Miscellaneous	3.80	66.08	0.00
Non-Ferrous	45.50	503.90	228.44
Paper	118.75	1130.87	0.00
Plastic	0.64	13.32	0.00
Rubber	8.15	129.36	0.00
Sugar	148.20	1384.99	0.00
Textile	335.20	1277.84	0.00
Total	3658.28	24921.69	1365.55 *

1. * Does not include 0.11 Gwh of energy sold to Andaman & Nicobar Electricity Department.
 2. Does not include 118.61 GWH of energy sold by GIPCL to G.E.B.
 3. Does not include 128.24 Gwh of energy sold by Reliance Petrochemicals to G.E.B.
- P = PRIMARY
S = SECONDARY

TABLE No. 29 (Contd.)

Name of Industry	Energy used in the industry out of self generation	Energy Purchased from Utilities	Energy consumed in the industry
	(8)-(9) 10	11	(10)+(11) 12
Aluminium (P)	7107.39	472.94	7580.33
Aluminium (S)	181.62	200.12	381.74
Automobiles	47.54	502.24	549.78
Cement (P)	924.02	3202.28	4126.30
Cement (S)	42.56	405.18	447.74
Chemicals	1568.26	2036.22	3604.48
Collieries	199.33	492.25	691.58
Electrical Engg.	76.33	769.12	845.45
Fertilizer	2342.81	2669.88	5012.69
Food Products	57.25	194.83	252.08
Heavy Engineering	95.88	733.42	829.30
Iron & Steel (P)	4420.57	2989.38	7409.95
Iron & Steel (S)	188.13	619.31	807.44
Jute	161.49	551.81	713.30
Light Engineering	100.57	689.99	790.56
Mineral Oil & Petroleum	1762.72	280.40	2043.12
Mining & Quarrying	1.75	68.58	70.33
Miscellaneous	66.08	390.75	456.83
Non-Ferrous	275.46	1269.11	1544.57
Paper	1130.87	1154.99	2285.86
Plastic	13.32	118.12	131.44
Rubber	129.36	546.16	675.52
Sugar	1384.99	254.25	1639.24
Textile	1277.84	5935.68	7213.52
Total	23556.14	26547.01	50103.15

P = PRIMARY
S = SECONDARY

TABLE No. 30

INSTALLED CAPACITY, ELECTRICITY GENERATION AND CONSUMPTION
IN SELECTED INDUSTRIES (HAVING INSTALLED PLANT CAPACITY
OF 1 MW AND ABOVE) REGIONWISE/STATEWISE DURING 1991-92

Region State/U.Ts.	Total No. of Industrial Units Covered	INSTALLED CAPACITY (KW) AS ON 31.3.92				
		Hydro	Steam	Diesel	Gas	Total
NORTHERN REGION :						
Haryana	72	0	75390	175339	0	250729
Himachal Pradesh	3	0	0	12168	0	12168
Jammu & Kashmir	0	0	0	0	0	0
Punjab	55	0	62550	85630	0	148180
Rajasthan	80	0	100000	329813	20000	449813
Uttar Pradesh	181	700	655037	261050	20700	937487
Chandigarh	2	0	0	3910	0	3910
Delhi	9	0	48500	10954	0	59454
Sub-Total	402	700	941477	878864	40700	1861741
WESTERN REGION :						
Gujarat	109	0	441750	208365	140400	790515
Madhya Pradesh	53	0	563991	112007	27500	703498
Maharashtra	192	0	236655	363586	107462	707703
Goa	3	0	7500	7156	0	14656
Daman & Diu	0	0	0	0	0	0
D.&.N. Haveli	0	0	0	0	0	0
Sub-Total	357	0	1249896	691114	275362	2216372
SOUTHERN REGION :						
Andhra Pradesh	89	0	491724	242252	0	733976
Karnataka	107	3600	206816	289454	500	500370
Kerala	18	0	51648	22030	22000	95678
Tamil Nadu	227	0	154090	486397	19140	659627
Pondicherry	4	0	5000	3948	0	8948
Lakshdweep	0	0	0	0	0	0
Sub-Total	445	3600	909278	1044081	41640	1998599
EASTERN REGION :						
Bihar	50	0	757032	123108	2500	882640
Orissa	26	0	1088338	58881	30000	1177219
West Bengal	134	0	336075	349837	21150	707062
A.&.N. Islands	0	0	0	0	0	0
Sikkim	0	0	0	0	0	0
Sub-Total	210	0	2181445	531826	53650	2766921
NORTH EASTERN REGION :						
Assam	12	0	93500	145172	84370	323042
Manipur	0	0	0	0	0	0
Meghalaya	0	0	0	0	0	0
Nagaland	1	0	1500	0	0	1500
Tripura	0	0	0	0	0	0
Arunachal Pradesh	0	0	0	0	0	0
Mizoram	0	0	0	0	0	0
Sub-Total	13	0	95000	145172	84370	324542
TOTAL (ALL INDIA)	1427	4300	5377096	3291057	495722	9168175

TABLE NO.30(Contd.)

Page No.100
(GWH)

Region State/U.Ts.	ENERGY		GENERATION			Energy used in station auxiliaries
	Hydro	Steam	Diesel	Gas	Total	
1	2	3	4	5	6	7
NORTHERN REGION						
Haryana	0.00	377.93	198.84	0.00	576.77	36.17
Himachal Pradesh	0.00	0.00	1.18	0.00	1.18	0.02
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00	0.00
Punjab	0.00	209.84	50.79	0.00	260.63	36.00
Rajasthan	0.00	484.08	208.73	0.00	692.81	68.68
Uttar Pradesh	0.00	3812.35	148.58	93.77	4054.70	395.11
Chandigarh	0.00	0.00	8.05	0.00	8.05	0.35
Delhi	0.00	169.80	6.18	0.00	175.98	22.18
Sub-Total	0.00	5054.00	622.35	93.77	5770.12	558.51
WESTERN REGION						
Gujarat	0.00	1609.28	276.14	720.50	2605.92	283.38
Madhya Pradesh	0.00	3112.75	100.00	212.83	3425.58	399.00
Maharashtra	0.00	725.42	122.11	473.19	1320.72	87.15
Goa	0.00	58.25	2.15	0.00	60.40	0.90
Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00
D.&.N. Haveli	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total	0.00	5505.70	500.40	1406.52	7412.62	770.43
SOUTHERN REGION						
Andhra Pradesh	0.00	1596.71	288.44	0.00	1885.15	337.12
Karnataka	17.57	522.93	573.94	0.00	1114.44	76.15
Kerala	0.00	161.18	6.19	66.00	233.37	40.20
Tamil Nadu	0.00	299.09	850.02	60.00	1209.11	105.15
Pondicherry	0.00	11.59	1.57	0.00	13.16	0.00
Lakshdweep	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total	17.57	2591.50	1720.16	126.00	4455.23	558.62
EASTERN REGION						
Bihar	0.00	2929.07	53.28	1.15	2983.50	531.01
Orissa	0.00	5724.62	37.49	2.02	5764.13	975.20
West Bengal	0.00	1239.33	184.79	0.00	1424.12	181.35
A.&.N. Islands	0.00	0.00	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total	0.00	9893.02	275.56	3.17	10171.75	1687.56
NORTH EASTERN REGION						
Assam	0.00	363.15	129.34	275.78	768.27	83.14
Manipur	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
Nagaland	0.00	1.98	0.00	0.00	1.98	0.02
Tripura	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
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total	0.00	365.13	129.34	275.78	770.25	83.16
TOTAL (ALL INDIA)	17.57	23409.35	3247.81	1905.24	28579.97	3658.28

TABLE NO.30(Contd.)

(GWH)

Region State/U.Ts.	Net Generation (6-7) 8	Energy Sold to utilities 9	Energy used in the State out of self generation (8-9) 10	Energy purchased from utilities 11	Energy consumption in the state (10+11) 12
NORTHERN REGION					
Haryana	540.60	0.00	540.60	310.95	851.55
Himachal Pradesh	1.16	0.00	1.16	117.77	118.93
Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
Punjab	224.63	0.00	224.63	781.48	1006.11
Rajasthan	624.13	0.00	624.13	2137.42	2761.55
Uttar Pradesh	3659.59	0.00	3659.59	1901.95	5561.54
Chandigarh	7.70	0.00	7.70	29.51	37.21
Delhi	153.80	0.00	153.80	78.96	232.76
Sub-Total	5211.61	0.00	5211.61	5368.04	10569.65
WESTERN REGION					
Gujarat	2322.54	108.66	2213.88	3002.90	5216.78
Madhya Pradesh	3025.58	108.52	2918.06	2808.57	5726.63
Maharashtra	1233.57	19.09	1214.48	3692.61	4907.09
Goa	59.50	0.00	59.50	35.65	95.15
Daman & Diu	0.00	0.00	0.00	0.00	0.00
D.&N. Haveli	0.00	0.00	0.00	0.00	0.00
Sub-Total	6642.19	236.27	6405.92	9539.73	15945.65
SOUTHERN REGION					
Andhra Pradesh	1548.03	70.00	1478.03	2025.51	3503.54
Karnataka	1039.29	0.00	1039.29	1352.53	2390.82
Kerala	193.17	0.00	193.17	609.96	803.13
Tamil Nadu	1103.96	6.83	1097.13	2627.23	3724.36
Pondicherry	13.16	0.00	13.16	20.54	33.70
Lakshdweep	0.00	0.00	0.00	0.00	0.00
Sub-Total	3896.61	76.83	3819.78	6635.77	10455.55
EASTERN REGION					
Bihar	2452.49	4.15	2448.34	2071.82	4520.16
Orissa	4788.93	853.99	3934.94	1331.77	5266.71
West Bengal	1242.77	188.24	1054.53	1531.30	2585.83
A.&N. Islands	0.00	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00	0.00
Sub-Total	8484.19	1046.38	7437.81	4934.89	12372.70
NORTH EASTERN REGION					
Assam	685.13	6.07	679.06	77.95	757.01
Manipur	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00
Nagaland	1.96	0.00	1.96	0.63	2.59
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	687.09	6.07	681.02	78.58	759.60
TOTAL (ALL INDIA)	24921.69	1365.55	23556.14	26547.01	50103.15

1. Does not include 0.11 GWH of energy purchased by Andaman & Nicobar Island Electricity Department

2. Does not include 118.61 GWH of energy sold by GIPCL to GEB.

3. Does not include 128.24 GWH of energy sold by Reliance Petro-Chemicals to C.E.B.

TABLE No. 31
ENERGY CONSUMPTION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92.

		(GWH)		
Region	State/U.Ts.	Aluminium (P)	Aluminium (S)	Automobile
NORTHERN REGION	Haryana	0.00	2.36	39.86
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00
	Punjab	0.00	0.00	30.92
	Rajasthan	0.00	5.70	2.65
	Uttar Pradesh	2769.42	0.00	25.65
	Chandigarh	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00
	Sub-Total	2769.42	8.06	99.08
WESTERN REGION	Gujarat	0.00	0.00	0.00
	Madhya Pradesh	1876.20	0.00	6.25
	Maharashtra	0.00	0.00	302.00
	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	1876.20	0.00	308.25
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	0.00
	Karnataka	0.00	10.18	31.02
	Kerala	0.00	0.00	0.00
	Tamil Nadu	0.00	0.00	51.08
	Pondicherry	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00
	Sub-Total	0.00	10.18	82.10
EASTERN REGION	Bihar	0.00	17.62	0.00
	Orissa	2934.71	331.13	0.00
	West Bengal	0.00	14.75	60.35
	A.&.N. Islands	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	Sub-Total	2934.71	363.50	60.35
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)	7580.33	381.74	549.78

P = PRIMARY
S = SECONDARY

TABLE No. 31 (Contd.)

ENERGY CONSUMPTION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92.

(GMH)

Region	State/U.Ts.	Cement (F)	Cement (S)	Chemicals	Collieries
NORTHERN REGION	Haryana	66.95	27.13	26.99	0.00
	Himachal Pradesh	105.13	0.00 ⁺	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	3.03	0.00
	Rajasthan	567.95	20.81	32.58	0.00
	Uttar Pradesh	0.00	0.00	104.81	0.00
	Chandigarh	0.00	0.00	10.81	0.00
	Delhi	0.00	0.00	153.15	0.00
	Sub-Total	740.03	47.94	331.37	0.00
WESTERN REGION	Gujarat	311.97	10.13	1635.41	0.00
	Madhya Pradesh	884.04	323.22	29.04	16.94
	Maharashtra	270.12	0.00	700.75	0.00
	Goa	0.00	0.00	95.15	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	1466.13	333.35	2460.35	16.94
SOUTHERN REGION	Andhra Pradesh	547.59	30.41	194.92	467.16
	Karnataka	684.03	0.00	163.25	0.00
	Kerala	0.00	0.00	18.54	0.00
	Tamil Nadu	458.21	6.74	281.90	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00
	Sub-Total	1689.83	37.15	658.61	467.16
EASTERN REGION	Bihar	130.04	0.00	0.00	205.43
	Orissa	80.33	26.63	0.00	0.00
	West Bengal	0.00	2.67	154.15	2.05
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	210.37	29.30	154.15	207.48
NORTH EASTERN REGION	Assam	19.94	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	19.94	0.00	0.00	0.00
	Total (All India)	4126.30	447.74	3604.48	691.58

F = PRIMARY
S = SECONDARY

TABLE No 31(Contd.)

ENERGY CONSUMPTION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92.

(GWH)

Region	State/U.Ts.	Electrical Engineering	Fertilizer	Food Products	Heavy Engineering
NORTHERN REGION	Haryana	23.26	163.22	4.31	0.00
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	6.12	375.09	74.93	0.00
	Rajasthan	0.00	679.07	0.00	4.50
	Uttar Pradesh	150.72	701.20	40.88	22.35
	Chandigarh	26.40	0.00	0.00	0.00
	Delhi	9.70	0.00	11.80	0.00
	Sub-Total	216.20	1918.58	131.92	26.85
WESTERN REGION	Gujarat	15.50	1134.78	25.11	0.00
	Madhya Pradesh	94.96	103.58	1.03	0.00
	Maharashtra	301.51	159.74	16.92	108.00
	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
	Sub-Total	411.97	1398.10	43.06	108.00
SOUTHERN REGION	Andhra Pradesh	13.02	153.76	27.61	78.30
	Karnataka	91.25	227.83	5.91	87.95
	Kerala	0.00	343.44	0.00	10.19
	Tamil Nadu	57.30	125.90	9.58	29.19
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00
	Sub-Total	161.57	850.93	43.10	205.63
EASTERN REGION	Bihar	15.91	264.33	0.00	370.13
	Orissa	2.27	312.24	0.00	52.89
	West Bengal	37.53	113.06	34.00	65.80
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Sub-Total	55.71	689.63	34.00	488.82
NORTH EASTERN REGION	Assam	0.00	155.45	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	155.45	0.00	0.00
	Total (All India)	845.45	5012.69	252.08	829.30

TABLE No. 31(Contd.)

ENERGY CONSUMPTION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92.

(GMH)

Region	State/U.Ts.	Iron & Steel (P)	Iron & Steel (S)	Jute	Light Engineering
NORTHERN REGION	Haryana	0.00	96.62	0.00	64.15
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	0.00	6.89	0.00	89.74
	Rajasthan	0.00	54.57	0.00	88.33
	Uttar Pradesh	0.00	128.51	13.13	17.12
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Sub-Total	0.00	286.59	13.13	259.34
WESTERN REGION	Gujarat	0.00	136.95	0.00	17.93
	Madhya Pradesh	1655.62	15.94	0.00	16.24
	Maharashtra	0.00	100.00	0.00	230.00
	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
		Sub-Total	1655.62	252.89	0.00
SOUTHERN REGION	Andhra Pradesh	853.38	14.98	48.29	0.00
	Karnataka	18.00	3.48	0.00	89.15
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	14.74	53.88	0.00	117.88
	Pondicherry	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00
		Sub-Total	886.12	72.34	48.29
EASTERN REGION	Bihar	2992.89	142.00	12.87	0.00
	Orissa	1095.97	23.62	3.51	0.00
	West Bengal	779.35	30.00	635.50	60.00
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
		Sub-Total	4868.21	195.62	651.88
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)	7409.95	807.44	713.30	790.56

P = PRIMARY
S = SECONDARY

TABLE NO.31 (Contd.)

ENERGY CONSUMPTION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92.

(GWH)

Region	State/U.Ts.	Mineral Oil & Petroleum	Mining & Quarry- ing	Miscell- aneous	Non- Ferrous	Paper
NORTHERN REGION	Haryana	0.00	0.00	28.70	0.00	115.00
	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	15.86	0.00	67.32
	Rajasthan	0.00	0.00	3.65	567.59	0.00
	Uttar Pradesh	151.13	0.00	85.81	0.00	157.30
	Chandigarh Delhi	0.00 0.00	0.00 0.00	0.00 28.11	0.00 0.00	0.00 0.00
	Sub-Total	151.13	0.00	162.13	567.59	339.62
WESTERN REGION	Gujarat	369.43	0.00	4.36	0.00	13.66
	Madhya Pradesh	0.00	3.71	17.34	64.92	261.69
	Maharashtra	569.33	0.00	64.80	0.00	150.00
	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	0.00	0.00	0.00	0.00
	Sub-Total	938.76	3.71	86.50	64.92	425.35
SOUTHERN REGION	Andhra Pradesh	8.00	0.00	29.52	459.80	385.69
	Karnataka	0.00	13.07	27.02	113.98	385.50
	Kerala	118.46	0.00	8.96	8.00	217.75
	Tamil Nadu	174.46	0.67	40.40	65.46	108.99
	Pondicherry	0.00	0.00	10.79	0.00	0.00
	Lakshdweep	0.00	0.00	0.00	0.00	0.00
	Sub-Total	300.92	13.74	116.69	647.24	1097.93
EASTERN REGION	Bihar	112.56	43.52	11.57	136.58	0.00
	Orissa	0.00	9.36	23.89	128.21	201.62
	West Bengal	125.65	0.00	56.05	0.00	61.58
	A.&N. Islands	0.00	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	238.21	52.88	91.51	264.79	263.20
NORTH EASTERN REGION	Assam	414.10	0.00	0.00	0.00	159.76
	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	414.10	0.00	0.00	0.00	159.76
	Total (All India)	2043.12	70.33	456.83	1344.57	2285.86

TABLE No.31(Contd.)

**ENERGY CONSUMPTION BY SELECTED INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
REGIONWISE/STATEWISE DURING 1991-92.**

(GWH)

Region	State/U.Ys.	Plastic	Rubber	Sugar	Textile	Total
NORTHERN REGION	Haryana	0.00	36.00	52.00	105.00	851.55
	Himachal Pradesh	0.00	0.00	0.00	13.80	118.93
	Jammu & Kashmir	0.00	0.00	0.00	0.00	0.00
	Punjab	0.00	0.00	24.20	312.01	1006.11
	Rajasthan	0.00	49.23	9.18	675.74	2761.55
	Uttar Pradesh	0.00	93.51	570.00	530.00	5561.54
	Chandigarh	0.00	0.00	0.00	0.00	37.21
Delhi	0.00	0.00	0.00	30.00	232.76	
	Sub-Total	0.00	178.74	655.38	1666.55	10569.65
WESTERN REGION	Gujarat	0.00	0.00	130.50	1411.00	5216.78
	Madhya Pradesh	0.00	0.00	18.00	337.91	5726.63
	Maharashtra	0.00	68.37	330.15	1535.40	4907.09
	Goa	0.00	0.00	0.00	0.00	95.15
	Daman & Diu	0.00	0.00	0.00	0.00	0.00
	D.&N. Haveli	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.00	68.37	478.65	3284.31	15945.65
SOUTHERN REGION	Andhra Pradesh	0.00	6.66	98.44	86.01	3503.54
	Karnataka	0.00	38.50	160.60	240.10	2390.82
	Kerala	0.00	33.57	4.02	40.20	803.13
	Tamil Nadu	131.44	294.49	169.63	1532.42	3724.36
	Pondicherry	0.00	0.00	0.00	0.00	0.00
	Lakshdweep	0.00	0.00	12.79	10.12	33.70
	Sub-Total	131.44	373.22	445.48	1908.85	10455.55
EASTERN REGION	Bihar	0.00	0.00	51.52	13.19	4520.16
	Orissa	0.00	0.00	5.32	35.01	5266.71
	West Bengal	0.00	55.19	0.00	298.15	2585.83
	A.&N. Islands	0.00	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00	0.00
	Sub-Total	0.00	55.19	56.84	346.35	12372.70
NORTH EASTERN REGION	Assam	0.00	0.00	0.30	7.46	757.01
	Manipur	0.00	0.00	0.00	0.00	0.00
	Naghalaya	0.00	0.00	0.00	0.00	0.00
	Nagaland	0.00	0.00	2.59	0.00	2.59
	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	2.89	7.46	759.60
	Total (All India)	131.44	675.52	1639.24	7213.52	50103.15

TABLE NO.32

CLASSIFICATION OF CAPTIVE PLANTS OF INDUSTRIES
(HAVING INSTALLED PLANT CAPACITY OF 1 MW & ABOVE)
CAPACITYWISE DURING 1991-92

S.No.	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 generation
(1)	(2)	(3)	(4)	(5)	(6)	(7)
1	Over 1.00 MW & upto 10.00 MW	1298	3691.01	40.26	4676.62	16.36
2	Over 10.00 MW & upto 20.00 MW	68	945.70	10.32	2171.76	7.60
3	Over 20.00 MW & upto 30.00 MW	24	615.97	6.72	2420.52	8.47
4	Over 30.00 MW & upto 40.00 MW	11	398.98	4.35	1135.87	3.97
5	Over 40.00 MW & upto 50.00 MW	7	319.48	3.48	1639.27	5.74
6	Over 50.00 MW & upto 100.00 MW	8	522.74	5.70	1563.37	5.47
7	Over 100.00 MW	11	2674.30	29.17	14972.56	52.39
		1427	9168.18	100.00	28579.97	100.00

TABLE No. 33

**INSTALLED PLANT CAPACITY AND ELECTRICITY
GENERATION BY RAILWAYS REGIONWISE/STATEWISE
DURING THE YEAR 1991-92**

Region	State/U.Ts.	INSTALLED PLANT CAPACITY (KW) AS ON 31.3.92		
		Steam	Diesel	Total
NORTHERN REGION	Haryana	0.00	2854.00	2854.00
	Himachal Pradesh	0.00	0.00	0.00
	Jammu & Kashmir	0.00	300.00	300.00
	Punjab	0.00	2500.00	2500.00
	Rajasthan	2000.00	11506.00	13506.00
	Uttar Pradesh	4500.00	27500.00	32000.00
	Delhi	0.00	1466.00	1466.00
	Sub-Total	6500.00	46126.00	52626.00
WESTERN REGION	Gujarat	2500.00	5152.00	7652.00
	Madhya Pradesh	0.00	8758.00	8758.00
	Maharashtra	0.00	4150.00	4150.00
	Sub-Total	2500.00	18060.00	20560.00
SOUTHERN REGION	Andhra Pradesh	0.00	4301.00	4301.00
	Karnataka	0.00	4050.00	4050.00
	Kerala	0.00	500.00	500.00
	Tamil Nadu	0.00	7325.00	7325.00
	Sub-Total	0.00	16176.00	16176.00
EASTERN REGION	Bihar	2800.00	14560.00	17360.00
	West Bengal	7160.00	10270.00	17430.00
	Sub-Total	9960.00	24830.00	34790.00
NORTH EASTERN REGION	Assam	0.00	7450.00	7450.00
	Nagaland	0.00	1525.00	1525.00
	Tripura	0.00	100.00	100.00
	Sub-Total	0.00	9075.00	9075.00
	Total (All India)	18960.00	114267.00	133227.00

TABLE No. 33 (CONTD.)

 INSTALLED PLANT CAPACITY AND ELECTRICITY
 GENERATION BY RAILWAYS REGIONWISE/STATEWISE
 DURING THE YEAR 1991-92

Region	State/U.Ts.	Max. Demand (KVA)	ELECTY. GENERATION (GWH)			Energy used in Aux. (GWH)
			Steam	Diesel	Total	
NORTHERN REGION	Haryana	2750.00	0.00	0.50	0.50	0.02
	Himachal Pradesh	0.00	0.00	0.00	0.00	0.00
	Jammu & Kashmir	180.00	0.00	0.00	0.00	0.00
	Punjab	2370.00	0.00	0.00	0.00	0.00
	Rajasthan	7540.00	0.00	2.10	2.10	0.08
	Uttar Pradesh	18160.00	0.00	2.60	2.60	0.10
	Delhi	500.00	0.00	0.00	0.00	0.00
	Sub-Total	31500.00	0.00	5.20	5.20	0.20
WESTERN REGION	Gujarat	4170.00	0.00	0.02	0.02	0.00
	Madhya Pradesh	3080.00	0.00	1.43	1.43	0.07
	Maharashtra	2100.00	0.00	0.12	0.12	0.00
	Sub-Total	9350.00	0.00	1.57	1.57	0.07
SOUTHERN REGION	Andhra Pradesh	3300.00	0.00	0.38	0.38	0.01
	Karnataka	2800.00	0.00	0.10	0.10	0.00
	Kerala	200.00	0.00	0.00	0.00	0.00
	Tamil Nadu	4440.00	0.00	0.40	0.40	0.01
	Sub-Total	10740.00	0.00	0.88	0.88	0.02
EASTERN REGION	Bihar	11670.00	0.00	5.45	5.45	0.24
	West Bengal	13660.00	3.47	4.05	7.52	0.50
	Sub-Total	25330.00	3.47	9.50	12.97	0.74
NORTH EASTERN REGION	Assam	5130.00	0.00	1.50	1.50	0.10
	Nagaland	850.00	0.00	0.40	0.40	0.03
	Tripura	0.00	0.00	0.00	0.00	0.00
	Sub-Total	5980.00	0.00	1.90	1.90	0.13
	Total (All India)	82900.00	3.47	19.05	22.52	1.16

TABLE No. 34

 ZONEWISE INSTALLED PLANT CAPACITY AND ELECTRICITY GENERATION BY
 THE RAILWAYS DURING THE YEAR 1991 - 92

S. Railway No. Zones	INSTALLED CAPACITY (KW)			MAXIMUM ELECTRICITY DEMAND (KVA)	ELECTRICITY GENERATED (GWH)			ENERGY USED IN AUXILIARIES (GWH)
	Steam	Diesel	Total		Steam	Diesel	Total	
1 Central Railways	0	12900	12900	7000	0	0.50	0.50	0.03
2 Eastern Railways	2800	21017	23817	9000	0	5.45	5.45	0.20
3 Northern Railways	2500	25470	27970	20500	0	2.18	2.18	0.10
4 North-Eastern Railways	2000	16010	18010	14500	0	2.10	2.10	0.10
5 North East Frontier Railways	0	10800	10800	6750	0	4.40	4.40	0.20
6 Southern Railways	0	6950	6950	6000	0	3.20	3.20	0.15
7 South-Central Railways	0	3750	3750	3150	0	0.60	0.60	0.02
8 South-Eastern Railways	7160	3540	10700	8000	3.47	0.05	3.52	0.34
9 Western Railways	4500	13830	18330	8000	0	0.57	0.57	0.02
TOTAL	18960	114267	133227	82900	3.47	19.05	22.52	1.16

SECTION V

Electric Power Supply & System Losses

SECTION - V

ELECTRIC POWER SUPPLY AND SYSTEM LOSSES

During the year 1991-92 gross electricity generation was 287028.58 GWH, out of which 21,011.01 GWH representing 7.32% of gross generation was consumed in power station auxiliaries. Thus net generation available at the bus-bar was 266017.57 GWH. Electricity purchased by Public Utilities from captive plants was 1612.51 Gwh and electricity imported from Nepal & Bhutan was 1506.20 Gwh. Thus the total electricity available for supply during the year was 269136.28 Gwh as compared to 246940.63 Gwh during the year 1990-91.

Electricity sold to various classes of consumers during the year 1991-92 was 207644.70 Gwh and electricity exported outside the country i.e. to Nepal and Bhutan was 52.99 Gwh. The electricity lost in transformation, transmission and distribution system and electricity unaccounted worked out to 61438.59 Gwh representing 22.83% of the total available electricity. Amongst all the regions percentage system losses were maximum in Northern Region i.e. 25.84%. This was followed by North-Eastern Region with 24.19%, Western Region with 21.92%, Eastern Region with 21.68% and Southern Region with 19.76% losses.

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

TABLE NO. 35

ELECTRICITY GENERATED, PURCHASED, SOLD AND ENERGY
LOSSES (ALL INDIA UTILITIES) DURING 1991-92

Sl. No.	Item	Energy (GWH)	% age of Item 1
1.	Energy generated (Gross) (Utilities)	287028.58	100.00
2.	Energy used in power station auxiliaries	21011.01	7.32
3.	Energy generated (Net) i.e. (1) - (2)	266017.57	92.68
		Percentage of Item 6	
4.	Energy purchased from Non-Utilities	1612.51	0.60
5.	Energy imported from other countries (Nepal & Bhutan)	1506.20	0.56
6.	Energy available for supply i.e. (3)+(4)+(5)	269136.28	100.00
7.	Energy sold to ultimate Consumers	207644.70	77.15
8.	Energy sold to other countries (Nepal & Bhutan)	52.99	0.02
9.	Total energy sold i.e. (7)+(8)	207697.69	77.17
10.	Energy lost in transformation, transmission & distribution and unaccounted for i.e. (6)-(9)	61438.59	22.83

TABLE NO. 36

**ENERGY LOST IN TRANSMISSION AND DISTRIBUTION SYSTEM
REGIONWISE - DURING 1991-92**

	Northern Region	Western Region	Southern Region	Eastern Region	North - Eastern Region
I. ENERGY GENERATED (NET)	83213.57	86573.20	67805.04	25461.46	2964.30
II. ENERGY PURCHASED					
a) From Non-Utilities	0.00	483.12	76.83	1046.49	6.07
b) From other Regions	448.56	1058.24	310.26	1057.43	56.30
c) From other Countries	0.00	0.00	0.00	1506.20	0.00
Sub-Total	448.56	1541.36	387.09	3610.12	62.37
III. Total Energy available(I+II)	83662.13	88114.56	68192.13	29071.58	3026.67
IV. ENERGY SALES					
a) To Ultimate Consumers	60326.22	68067.18	54321.52	22640.33	2289.45
b) To Other Region	1692.66	735.46	396.73	104.51	1.43
c) To Other Countries	25.00	0.00	0.00	24.25	3.74
Sub-Total IV	62043.88	68802.64	54718.25	22769.09	2294.62
V. ENERGY LOST IN TRANSMISSION & DISTRIBUTION & UNACCOUNTED FOR	21618.25	19311.92	13473.88	6302.49	732.05
VI. PERCENTAGE ENERGY LOSS (V/III)	25.84	21.92	19.76	21.68	24.19

Notes:- (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.

TABLE No. 37

ENERGY GENERATION (NET), INTER SYSTEM TRANSFER OF POWER
UTILISATION OF ENERGY AND SYSTEM LOSSES
REGIONWISE / STATEWISE DURING 1991-92

(GWH)

Region	State/U.Ts.	Net Generation in own Power Houses (Other than jointly owned projects & Central Govt. Projects)	ENERGY RECEIVED FROM		
			Jointly owned & Central Govt. Projects except BBMB & DVC	Self Generating industries	From other States inclu- ding BBMB & DVC including from outside the country
1.	2.	3.	4.	5.	6.
NORTHERN REGION	Haryana	3186.96	3319.56	0.00	3410.43
	Himachal Pradesh	1045.47	402.46	0.00	600.36
	Jammu & Kashmir	869.32	1965.01	0.00	134.14
	Punjab	8249.22	3279.83	0.00	4996.62
	Rajasthan	3671.69	6068.29	0.00	2996.09
	Uttar Pradesh	16640.06	11931.99	0.00	144.30
	Chandigarh	0.00	219.01	0.00	414.05
	Delhi	1667.34	7264.21	0.00	455.08
B.B.M.B.	12205.81	0.00	0.00	0.00	
WESTERN REGION	Gujarat	18770.20	5012.54	355.51	848.73
	Madhya Pradesh	9633.30	10584.13	108.52	190.69
	Maharashtra	36359.64	5999.13	19.09	121.71
	Goa	0.00	497.24	0.00	197.47
	Daman & Diu	0.00	55.00	0.00	38.45
	D.&N. Haveli	0.00	178.00	0.00	4.90
SOUTHERN REGION	Andhra Pradesh	16607.94	5614.29	70.00	272.99
	Karnataka	12587.57	3101.20	0.00	0.45
	Kerala	5299.78	1837.02	0.00	28.18
	Tamil Nadu	12945.49	8900.68	6.83	2.11
	Pondicherry	0.00	580.84	0.00	165.37
	Lakshadweep	10.44	0.00	0.00	0.00
EASTERN REGION	Bihar	2189.56	2574.74	4.15	4609.15
	Orissa	5904.60	609.58	853.99	324.41
	West Bengal	8980.46	879.05	88.95	2542.95
	D.V.C.	4557.94	1083.41	99.29	707.20
	A.&N. Islands	50.21	0.00	0.11	0.00
	Sikkim	33.37	12.00	0.00	21.00
NORTH EASTERN REGION	Assam	976.07	848.75	6.07	255.98
	Manipur	2.61	259.66	0.00	0.00
	Meghalaya	419.19	59.77	0.00	0.00
	Nagaland	8.87	99.00	0.00	12.84
	Tripura	136.81	41.30	0.00	27.69
	Arunachal Pradesh	48.44	0.00	0.00	20.92
	Mizoram	12.15	51.68	0.00	10.87

TABLE No. 37 (Contd.)

Region	State/U.Ts	Energy Available	ENERGY SENT OUT TO/		Total (8+9)
		in the States	SOLD TO		
		(3+4+5+6)	Other States including outside the country	Ultimate Consumers within the State	
		7.	8.	9.	10.
NORTHERN REGION	Haryana	9916.95	121.60	7138.81	7260.41
	Himachal Pradesh	2048.29	564.41	1078.02	1642.43
	Jammu & Kashmir	2968.47	2.24	1479.50	1481.74
	Punjab	16525.67	408.92	12522.16	12931.08
	Rajasthan	12736.07	69.71	9727.54	9797.25
	Uttar Pradesh	28716.35	315.07	20896.34	21211.41
	Chandigarh	633.06	2.49	442.96	445.45
	Delhi	9386.63	30.86	7040.89	7071.75
B.B.M.B.	12205.81	11677.53	0.00	11677.53	
WESTERN REGION	Gujarat	24986.98	165.06	18933.84	19098.90
	Madhya Pradesh	20516.64	195.38	15024.07	15219.45
	Maharashtra	42499.57	1234.71	33354.22	34588.93
	Goa	694.71	0.00	529.51	529.51
	Daman & Diu	93.45	0.00	78.59	78.59
	D.&N. Haveli	182.90	0.00	146.95	146.95
SOUTHERN REGION	Andhra Pradesh	22565.22	58.22	17937.15	17995.37
	Karnataka	15689.22	28.18	12533.82	12562.00
	Kerala	7164.98	16.38	5538.88	5555.26
	Tamil Nadu	21855.11	133.00	17691.13	17824.13
	Pondicherry	746.21	0.00	611.92	611.92
	Lakshadweep	10.44	0.00	8.62	8.62
EASTERN REGION	Bihar	9377.60	91.33	7569.17	7660.50
	Orissa	7692.58	127.95	5618.55	5746.50
	West Bengal	12491.41	664.52	9364.00	10028.52
	D.V.C.	6447.84	6299.50	0.00	6299.50
	A.&N. Islands	50.32	0.00	39.42	39.42
	Sikkim	66.37	0.00	49.19	49.19
NORTH EASTERN REGION	Assam	2086.87	76.52	1537.54	1614.06
	Manipur	262.27	0.00	198.21	198.21
	Meghalaya	478.96	199.39	223.77	423.16
	Nagaland	120.71	0.00	92.78	92.78
	Tripura	205.80	1.26	138.76	140.02
	Arunachal Pradesh	69.36	0.00	49.80	49.80
	Mizoram	74.70	0.00	48.59	48.59

TABLE No. 37 (Contd.)

Region	State/U.Ts	Transformation, Transmission, Distribution losses & Energy unaccounted for	
		Quantum (7-10)	% of Col. 7.
NORTHERN REGION	Haryana	2656.54	26.79
	Himachal Pradesh	405.86	19.81
	Jammu & Kashmir	1486.73	50.08
	Punjab	3594.59	21.75
	Rajasthan	2938.82	23.07
	Uttar Pradesh	7504.94	26.13
	Chandigarh	187.61	29.64
	Delhi	2314.88	24.66
	B.B.M.B.	528.28	4.33
	Northern Region	21618.25	25.84
WESTERN REGION	Gujarat	5688.08	23.56
	Madhya Pradesh	5297.19	25.82
	Maharashtra	7910.64	18.61
	Goa	165.20	23.78
	Daman & Diu	14.86	15.90
	D.&N. Haveli	35.95	19.66
	Western Region	19311.92	21.92
SOUTHERN REGION	Andhra Pradesh	4569.85	20.25
	Karnataka	3127.22	19.93
	Kerala	1609.72	22.47
	Tamil Nadu	4030.98	18.44
	Pondicherry	134.29	18.00
	Lakshadweep	1.82	17.43
	Southern Region	13473.88	19.76
EASTERN REGION	Bihar	1717.10	18.31
	Orissa	1946.08	25.30
	West Bengal	2462.89	19.72
	D.V.C.	148.34	2.30
	A.&N. Islands	10.90	21.66
	Sikkim	17.18	25.89
	Eastern Region	6302.49	21.68
NORTH EASTERN REGION	Assam	472.81	22.66
	Manipur	64.06	24.43
	Meghalaya	55.80	11.65
	Nagaland	27.93	23.14
	Tripura	65.78	31.96
	Arunachal Pradesh	19.56	28.20
	Mizoram	26.11	34.95
	North-Eastern Region	732.05	24.19
	All India	61438.59	22.83

Note: For details of All India and Regionwise losses refer to Table No. 33 & 34 respectively.

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., & D.E.S.U. DURING 1991-92 (GWH)**

Name of the Region	Board/ Undertaking	Net Generation in own Power House (Other than jointly owned Central Govt. Projects)	ENERGY RECEIVED FROM	
			Utilities within State/ jointly owned Central Govt. Projects except DVC & BBMB	Other Board/ Electric Undertakings (including DVC & BBMB/Other countries)
1.	2.	3.	4.	5.
NORTHERN REGION	Haryana	3186.96	3319.56	3410.43
	Himachal Pradesh	1045.47	346.46	600.36
	Jammu & Kashmir	869.32	1923.01	134.14
	Punjab	8249.22	3279.83	4809.32
	Rajasthan	3671.69	5947.25	2996.09
	Uttar Pradesh	16640.06	11890.94	144.30
	B.B.M.B.	12205.81	0.00	0.00
D.E.S.U.	1667.34	7251.73	455.08	
WESTERN REGION	Gujarat	16326.73	5150.17	848.73
	Madhya Pradesh	9633.30	10531.13	190.69
	Maharashtra	28922.56	8278.51	121.71
SOUTHERN REGION	Andhra Pradesh	16607.94	5541.37	272.99
	Karnataka	697.19	14990.04	0.45
	Kerala	5299.78	1837.02	26.18
	Tamil Nadu	12945.49	8145.52	2.11
EASTERN REGION	Bihar	2189.56	2558.74	2335.21
	Orissa	4094.98	2400.62	324.41
	West Bengal	2562.12	4293.84	1143.24
	D.V.C.	4557.94	1083.41	707.20
NORTH EASTERN REGION	Assam	976.07	824.80	255.98
	Meghalaya	419.19	52.03	0.00

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

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., & D.E.S.U. DURING 1991-92 (GWH)**

Region	Board/ Undertaking	Energy received from self gen- erating industries	Energy available for supply (including sales out- side the States (2+3+4+5)	ENERGY SOLD TO	
				Licensees within the State	Other Boards/ Undertakings DVC/Other countries
		5.	6.	7.	8.
NORTHERN REGION	Haryana	0.00	9916.95	0.00	121.60
	Himachal Pradesh	0.00	1992.29	0.00	564.41
	Jammu & Kasheir	0.00	2926.47	45.00	2.24
	Punjab	0.00	16338.37	342.81	408.92
	Rajasthan	0.00	12615.03	77.98	69.71
	Uttar Pradesh	0.00	28675.30	106.45	315.07
	B.B.M.B. D.E.S.U.	0.00 0.00	12205.81 9374.15	0.00 771.00	11677.53 30.86
WESTERN REGION	Gujarat	355.51	22681.14	1320.10	165.06
	Madhya Pradesh	108.52	20463.64	359.81	195.38
	Maharashtra	19.09	37341.87	4170.79	1234.71
SOUTHERN REGION	Andhra Pradesh	70.00	22492.30	392.17	311.09
	Karnataka	0.00	15687.68	58.78	28.18
	Kerala	0.00	7164.98	120.00	16.38
	Tamil Nadu	6.83	21099.95	545.00	133.00
EASTERN REGION	Bihar	4.15	7087.66	80.00	90.73
	Orissa	853.99	7674.00	56.43	127.95
	West Bengal	0.00	7999.20	1655.34	451.33
	D.V.C.	99.29	6447.84	0.00	6299.50
NORTH EASTERN REGION	Assam	6.07	2062.92	0.00	76.52
	Meghalaya	0.00	471.22	0.00	199.39

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

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., & D.E.S.U. DURING 1991-92**

Region	Board/ Undertaking	Energy sold to ultimate consumers	Total sold (7+8+9)	Transformation, Trans- mission & Distribution losses and energy unaccounted for	
				(GMH)	% of Col.6
		9	10	11	12
NORTHERN REGION	Haryana	7138.81	7260.41	2656.54	26.79
	Himachal Pradesh	1022.02	1586.43	405.86	20.37
	Jammu & Kashmir	1439.00	1486.24	1440.23	49.21
	Punjab	12071.38	12823.11	3515.26	21.52
	Rajasthan	9551.50	9699.19	2915.84	23.11
	Uttar Pradesh	20781.00	21202.52	7472.78	26.06
	B.B.M.B. D.E.S.U.	0.00 6290.00	11677.53 7091.86	528.28 2282.29	4.33 24.35
WESTERN REGION	Gujarat	15851.14	17336.30	5344.84	23.56
	Madhya Pradesh	14775.11	15330.30	5133.34	25.08
	Maharashtra	25066.53	30472.03	6869.84	18.40
SOUTHERN REGION	Andhra Pradesh	17357.88	18061.14	4431.16	19.70
	Karnataka	12481.74	12568.70	3118.98	19.88
	Kerala	5476.00	5612.38	1552.60	21.67
	Tamil Nadu	16492.00	17170.00	3929.95	18.63
EASTERN REGION	Bihar	5273.14	5443.87	1643.79	23.19
	Orissa	5597.88	5782.26	1891.74	24.65
	West Bengal	4112.09	6218.76	1780.44	22.26
	D.V.C.	0.00	6299.50	148.34	2.30
NORTH EASTERN REGION	Assam	1537.54	1614.06	448.86	21.76
	Meghalaya	217.67	417.06	54.16	11.49

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

TABLE No. 39

STATEMENT SHOWING PILFERAGE/MISUSE OF ENERGY AS REPORTED
BY STATE ELECTRICITY BOARDS DURING 1991-92

(GWH)

Region	Board/	No. of cases where insp- ections were carried out	No. of cases where theft or misuse was detected	Estimated quantity or energy consi- dered as pilferage or misuse
NORTHERN REGION	Haryana	142179	10641	26.90
	Himachal Pradesh	N.A.	N.A.	N.A.
	Jammu & Kashmir	N.A.	N.A.	N.A.
	Punjab	1452626	120849	304.46
	Rajasthan	N.A.	N.A.	N.A.
	Uttar Pradesh	43086	27273	Not assessed
WESTERN REGION	Gujarat	49967	928	49.71
	Madhya Pradesh	515277	82068	124.26
	Maharashtra	11657	7286	63.40
SOUTHERN REGION	Andhra Pradesh	49388	12398	33.56
	Karnataka	24565	1863	N.A.
	Kerala	4303	1977	18.87
	Tamil Nadu	4930034	134252	2.74
EASTERN REGION	Bihar	N.A.	N.A.	N.A.
	Orissa	N.A.	N.A.	N.A.
	West Bengal	N.A.	N.A.	N.A.
NORTH EASTERN REGION	Assam	N.A.	N.A.	N.A.
	Meghalaya	933	672	0.24

N.A. = Data not available

TABLE No. 40

GROSS GENERATION NET ENERGY GENERATION AND AUXILIARY CONSUMPTION
(UTILITIES ONLY) PRIMEOVERWISE/REGIONWISE/STATEWISE DURING 1991-92

Region	Name of the State / U.T.s	T O T A L			
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	7765.48	7291.18	474.30	6.11
	Himachal Pradesh	1050.38	1045.47	4.91	0.47
	Jammu & Kashmir	878.00	869.32	8.68	0.99
	Punjab	14676.68	14011.29	665.39	4.53
	Rajasthan	8130.19	7544.99	585.20	7.20
	Uttar Pradesh	18741.71	17139.64	1602.07	8.55
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	2411.35	2193.02	218.33	9.05
	Central Sector	35650.28	33118.66	2531.62	7.10
	Sub-Total	89304.07	83213.57	6090.50	6.82
WESTERN REGION	Gujarat	20800.76	18770.20	2030.56	9.76
	Madhya Pradesh	12524.52	11341.82	1182.70	9.44
	Maharashtra	39200.09	36455.00	2745.09	7.00
	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	21670.18	20006.18	1664.00	7.68
	Sub-Total	94195.55	86573.20	7622.35	8.09
SOUTHERN REGION	Andhra Pradesh	18654.62	17694.60	960.08	5.15
	Karnataka	12906.96	12628.73	278.23	2.16
	Kerala	5325.78	5299.78	26.00	0.49
	Tamil Nadu	13832.97	12945.49	887.48	6.42
	Lakshadweep	10.64	10.44	0.20	1.88
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	21444.45	19226.00	2218.45	10.35
	Sub-Total	72175.48	67805.04	4370.44	6.06
EASTERN REGION	Bihar	2592.30	2189.56	402.74	15.54
	Orissa	6313.81	6147.80	166.01	2.63
	West Bengal	10582.66	9503.58	1079.08	10.20
	D.V.C.	5330.37	4557.94	772.43	14.49
	A.&N. Islands	51.79	50.21	1.58	3.05
	Sikkim	38.19	33.37	4.82	12.62
	Central Sector	3361.00	2979.00	382.00	11.37
	Sub-Total	28270.12	25461.46	2808.66	9.94
NORTH EASTERN REGION	Assam	1079.57	976.07	103.50	9.59
	Manipur	2.83	2.61	0.22	7.77
	Meghalaya	421.09	419.19	1.90	0.45
	Nagaland	9.01	8.87	0.14	1.55
	Tripura	138.99	136.81	2.18	1.57
	Arunachal Pradesh	51.72	48.44	3.28	6.34
	Mizoram	12.74	12.15	0.59	4.63
Central Sector	1367.41	1360.16	7.25	0.53	
	Sub-Total	3083.36	2964.30	119.06	3.86
	Total (All India)	287028.58	266017.57	21011.01	7.32

TABLE No. 40 (Contd.)

GROSS GENERATION, NET ENERGY GENERATION AND AUXILIARY CONSUMPTION
(UTILITIES ONLY) PRIMEMOVERWISE/REGIONWISE/STATEWISE DURING 1991-92

Region	Name of the State / U.T.s	H Y D R O			
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption TOTAL (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	4197.36	4107.03	90.33	2.15
	Himachal Pradesh	1050.37	1045.46	4.91	0.47
	Jammu & Kashmir	793.00	790.50	2.50	0.32
	Punjab	8742.32	8604.43	137.89	1.58
	Rajasthan	3845.99	3738.08	107.91	2.81
	Uttar Pradesh	5556.00	5543.25	12.75	0.23
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	0.00	0.00	0.00	0.00
	Central Sector	3023.00	2997.00	26.00	0.86
	Sub-Total	27208.04	26825.75	382.29	1.41
WESTERN REGION	Gujarat	833.48	821.49	11.99	1.44
	Madhya Pradesh	1498.81	1494.23	4.58	0.31
	Maharashtra	5822.71	5794.93	27.78	0.48
	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	8155.00	8110.65	44.35	0.54
SOUTHERN REGION	Andhra Pradesh	9571.51	9496.57	74.94	0.78
	Karnataka	10321.25	10288.75	32.50	0.31
	Kerala	5325.78	5299.78	26.00	0.49
	Tamil Nadu	4409.56	4393.11	16.45	0.37
	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	29628.10	29478.21	149.89	0.51
EASTERN REGION	Bihar	242.80	240.45	2.35	0.97
	Orissa	5105.85	5084.08	21.77	0.43
	West Bengal	116.90	116.01	0.89	0.76
	D.V.C.	371.07	367.19	3.88	1.05
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	36.96	32.30	4.66	12.61
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	5873.58	5840.03	33.55	0.57
NORTH EASTERN REGION	Assam	0.03	0.02	0.01	33.33
	Manipur	0.14	0.14	0.00	0.00
	Meghalaya	421.09	419.19	1.90	0.45
	Nagaland	8.97	8.84	0.13	1.45
	Tripura	56.43	56.01	0.42	0.74
	Arunachal Pradesh	37.38	35.10	2.28	6.10
	Mizoram	0.92	0.90	0.02	2.17
Central Sector	1367.41	1360.16	7.25	0.53	
	Sub-Total	1892.37	1880.36	12.01	0.63
	Total (All India)	72757.09	72135.00	622.09	0.86

TABLE No. 40 (Contd.)

GROSS GENERATION, NET ENERGY GENERATION AND AUXILIARY CONSUMPTION
(UTILITIES ONLY) PRIMEOVERWISE/REGIONWISE/STATEWISE DURING 1991-92

Region	Name of the State / U.T.s	S T E A M			
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	3568.12	3184.15	383.97	10.76
	Himachal Pradesh	0.00	0.00	0.00	0.00
	Jammu & Kashmir	0.00	0.00	0.00	0.00
	Punjab	5934.36	5406.86	527.50	8.89
	Rajasthan	4284.20	3806.91	477.29	11.14
	Uttar Pradesh	13185.71	11596.39	1589.32	12.05
	Chandigarh	0.00	0.00	0.00	0.00
	Delhi	1749.35	1537.64	211.71	12.10
	Central Sector	24731.09	22642.95	2088.14	8.44
	Sub-Total	53452.83	48174.90	5277.93	9.87
WESTERN REGION	Gujarat	19368.62	17361.72	2006.90	10.36
	Madhya Pradesh	11025.71	9847.59	1178.12	10.69
	Maharashtra	30457.64	27757.07	2700.57	8.87
	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	19960.00	18462.00	1498.00	7.51
		Sub-Total	80811.97	73428.38	7383.59
SOUTHERN REGION	Andhra Pradesh	8726.17	7843.46	882.71	10.12
	Karnataka	2585.71	2339.98	245.73	9.50
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	9398.28	8527.25	871.03	9.27
	Lakshadweep	0.00	0.00	0.00	0.00
	Pondicherry	0.00	0.00	0.00	0.00
	Central Sector	19284.29	17365.51	1918.78	9.95
		Sub-Total	39994.45	36076.20	3918.25
EASTERN REGION	Bihar	2349.50	1949.11	400.39	17.04
	Orissa	1207.96	1063.72	144.24	11.94
	West Bengal	10434.84	9357.12	1077.72	10.33
	D.V.C.	4915.69	4149.14	766.55	15.59
	A.&N. Islands	0.00	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00	0.00
	Central Sector	3361.00	2979.00	382.00	11.37
		Sub-Total	22268.99	19498.09	2770.90
NORTH EASTERN REGION	Assam	634.86	553.45	81.41	12.82
	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	634.86	553.45	81.41	12.82
	Total (All India)	197163.10	177731.02	19432.08	9.86

TABLE No. 40 (Contd.)

Region	Name of the State / U.T.s	D I E S E L & W I N D			
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption (GWH)	% of Gross Generation
NORTHERN REGION	Haryana	0.00	0.00	0.00	0.00
	Himachal Pradesh	0.01	0.01	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	0.01	0.01	0.00	0.00
WESTERN REGION	Gujarat	15.49 **	15.45 **	0.04 **	0.26
	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
	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	15.49	15.45	0.04	0.26
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	23.60 *	23.60 *	0.00	0.00
	Lakshadweep	10.64	10.44	0.20	1.88
	Pondicherry	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00	
	Sub-Total	34.24	34.04	0.20	0.58
EASTERN REGION	Bihar	0.00	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00	0.00
	West Bengal	0.37	0.36	0.01	2.70
	D.V.C.	0.00	0.00	6.00	0.00
	A.&N. Islands	51.79	50.21	1.58	3.05
	Sikkim	1.23	1.07	0.16	13.01
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	53.39	51.64	1.75	3.28
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	2.69	2.47	0.22	8.18
	Meghalaya	0.00	0.00	0.00	0.00
	Nagaland	0.04	0.03	0.01	25.00
	Tripura	2.02	1.87	0.15	7.43
	Arunachal Pradesh	14.24	13.34	1.00	6.97
	Mizoram	11.82	11.25	0.57	4.82
	Central Sector	0.00	0.00	0.00	0.00
	Sub-Total	30.91	28.96	1.95	6.31
	Total (All India)	134.04	130.10	3.94	2.94

** Includes wind mill generation of 14.99 M.Kwh. & auxiliary consumption of .03 M.Kwh.

* Wind Mill Generation

TABLE No. 40 (Contd.)

Region	Name of the State / U.T.s	B	A	S	
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption (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	85.00	78.82	6.18	7.27
	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	662.00	655.38	6.62	1.00
	Central Sector	6241.95	6126.31	115.64	1.85
	Sub-Total	6988.95	6860.51	128.44	1.84
WESTERN REGION	Gujarat	583.17	571.54	11.63	1.99
	Madhya Pradesh	0.00	0.00	0.00	0.00
	Maharashtra	2919.74	2903.00	16.74	0.57
	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	0.18	0.18	0.00	0.00
	Sub-Total	3503.09	3474.72	28.37	0.81
SOUTHERN REGION	Andhra Pradesh	357.00	354.57	2.43	0.68
	Karnataka	0.00	0.00	0.00	0.00
	Kerala	0.00	0.00	0.00	0.00
	Tamil Nadu	1.53	1.53	0.00	0.00
	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	358.53	356.10	2.43	0.68
EASTERN REGION	Bihar	0.00	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00	0.00
	West Bengal	30.55	30.09	0.46	1.51
	D.V.C.	43.61	41.61	2.00	4.59
	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	74.16	71.70	2.46	3.32
NORTH EASTERN REGION	Assam	444.68	422.60	22.08	4.97
	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	80.54	78.93	1.61	2.00
	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	525.22	501.53	23.69	4.51
	Total (All India)	11449.95	11264.56	185.39	1.62

TABLE No. 40 (Contd.)

Region	Name of the State / U.T.s	N U C L E A R			
		Gross Generation (GWH)	Net Generation (GWH)	Auxiliary Consumption (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	1654.24	1352.40	301.84	18.25
	Sub-Total	1654.24	1352.40	301.84	18.25
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
	D.&N. Haveli	0.00	0.00	0.00	0.00
	Daman & Diu	0.00	0.00	0.00	0.00
	Central Sector	1710.00	1544.00	166.00	9.71
	Sub-Total	1710.00	1544.00	166.00	9.71
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	2160.16	1860.49	299.67	13.87
	Sub-Total	2160.16	1860.49	299.67	13.87
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 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	0.00	0.00	0.00	0.00
	Total (All India)	5524.40	4756.89	767.51	13.89

TABLE NO. 41.
SHARE OF PARTICIPATING STATES IN JOINTLY OWNED
POWER STATIONS DURING 1991-92

Name of the Power Station	Name of the Participating States	Share of the Participating 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 Haryana	66.67	125.00	187.50
		33.33	62.50	
CHAMBAL PROJECTS				
Gandhi Sagar (Hydro)	Madhya Pradesh Rajasthan	50.00	57.50	115.00
		50.00	57.50	
Jawahar Sagar (Hydro)	Madhya Pradesh Rajasthan	50.00	49.50	99.00
		50.00	49.50	
Rana Pratap Sagar (Hydro)	Madhya Pradesh Rajasthan	50.00	86.00	172.00
		50.00	86.00	
Satpura (Steam)	Madhya Pradesh Rajasthan	60.00	187.50	312.50
		40.00	125.00	
MACHKUND (HYDRO)	Andhra Pradesh Orissa	70.00	80.33	114.75
		30.00	34.42	
TUNGABHADRA DAM & HAMPPI (HYDRO)	Andhra Pradesh Karnataka	80.00	57.60	72.00
		20.00	14.40	
PENCH (HYDRO)	Madhya Pradesh Maharashtra	66.67	106.66	160.00
		33.33	53.34	

* It comprises of capacity of Ganguwal 77.25 MW, Kotla 77.25 MW, Bhakra left bank 5.40 MW & Bhakra right bank 6.60 MW.

I.C. = Installed Capacity.

TABLE NO. 41.(Contd.)

SHARE OF PARTICIPATING STATES IN JOINTLY OWNED POWER STATIONS DURING 1991-92				
Name of the Power Station	Energy generated		Energy Offtake by State**	
	Gross	Net		(GWH)
B.B.M.B.				
Bhakra Nangal Complex (Hydro)	7514.34	7416.07	Haryana Punjab	3349.03 4804.09
Dehar (Hydro)	3566.43	3450.45	Rajasthan Jammu & Kashmir	2541.85 131.76
Pong (Hydro)	1447.68	1339.29	Irrigation Wing N.F.F. Chandigarh Himachal Pradesh B.B.M.B. (System Losses)	38.79 148.51 381.07 282.43 528.28
INDRAPRASTHA EXTN.				
(Steam)(Unit 2,3&4)	876.09	788.48	Delhi Haryana	525.68 262.80
CHAMBAL PROJECTS				
Gandhi Sagar (Hydro)	511.24	507.60	Madhya Pradesh	1744.41
Jawahar Sagar (Hydro)	421.14	417.72	Rajasthan	1044.38
Rana Pratap Sagar (Hydro)	630.30	629.30		
Satpura (Steam)	1385.47	1234.17		
MACHKUND (HYDRO)	813.10	810.66	Andhra Pradesh Orissa	410.08 (A) 400.58
TUNGABHADRA DAM & HAMPI (HYDRO)	206.49	205.79	Andhra Pradesh Karnataka	1608.81 (B) 44.98
PENCH (HYDRO)	286.28	286.07	Madhya Pradesh Maharashtra	190.72 95.35

Note: ** Including losses. Excluding B.B.M.B. System.
B.B.M.B. - means Bhakra Beas Management Board
N.F.F. - Nangal Fertilizer Factory

(A) - Includes colony consumption of 5.82 GWH

(B) - Includes colony consumption of 4.77 GWH

TABLE NO. 42.

 INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
 GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1991-92

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake by States including losses. (GWH)
		Gross	Net	
Badarpur Thermal Power Station	720.00	3977.44	3482.21	Delhi 3482.21 (A)
Baira Siul (Hydro)	180.00	827.00	823.00	Delhi 25.00 H.P. 140.00 (B) Haryana 238.00 Punjab 361.00
Singrauli (STPS)	2050.00	14034.50	13008.64	J.&K. 303.87 H.S.E.B. 1193.62 R.S.E.B. 2202.26 D.E.S.U. 1672.03 U.P. 5843.40 (C) H.P. 34.50 Chandigarh 108.60 Punjab S.E.B. 1301.43 B.S.E.B. 5.78 Western Grid 343.15
Saial (Hydro)	345.00	2196.00	2174.00	Punjab S.E.B. 696.00 Haryana S.E.B. 435.00 D.E.S.U. 261.00 J.&K 782.00 (D)
Dadri (Gas)	262.00	30.02	27.00	Haryana S.E.B. 1.00 Rajasthan S.E.B 3.00 U.P. S.E.B. 22.00 Bihar S.E.B. 1.00
Rihand S.T.P.S.	1000.00	6510.33	5965.49	H.S.E.B. 433.00 H.P.S.E.B. 214.00 J.&K. S.E.B. 561.00 P.S.E.B. 659.00 R.S.E.B. 712.00 U.P.S.E.B. 2385.00 (E) D.E.S.U. 765.00 Chandigarh 102.00 Western Grid 134.49
Tanakpur (Steam)	120.00	0.00	0.00	0.00
R.A.P.P. (Nuclear)	440.00	1086.90	936.60	Rajasthan 936.60 (F)
Unchahar (Steam)	420.00	767.60	685.97	U.P. 685.97

TABLE NO. 42.(Contd.)

 INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
 GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1991-92

Name of the Power Station	Installed capacity (MW)	Energy generated		Offtake by States including losses.	(GWH)
		(GWH)			
		Gross	Net		
Anta (Gas)	413.00	2395.00	2347.00	H.S.E.B.	275.00
				H.P.S.E.B.	3.00
				J.&K. S.E.B.	107.00
				P.S.E.B.	92.00
				R.S.E.B.	377.00
				U.P.S.E.B.	1004.00
				D.E.S.U.	152.00
				Chandigarh	2.00
B.S.E.B.	335.00				
Auraiya (Gas)	652.00	3816.93	3752.31	H.S.E.B.	413.35
				H.P.S.E.B.	6.83
				J.&K. S.E.B.	170.35
				P.S.E.B.	154.58
				R.S.E.B.	641.46
				U.P.S.E.B.	1573.30
				D.E.S.U.	256.99
				Chandigarh	3.46
B.S.E.B.	531.99				
N.A.P.P. (Nuclear)	235.00	567.34	415.80	H.S.E.B.	34.86
				H.P.S.E.B.	0.98
				J.&K.S.E.B.	24.93
				P.S.E.B.	11.98
				R.S.E.B.	95.59
				U.P.S.E.B.	213.32
				D.E.S.U.	33.77
				Chandigarh	0.37
National Capital T.P.P. (Steam)	210.00	0.22	0.22	P.S.E.B.	0.22
T.A.P.P. (Nuclear)	420.00	1710.00	1544.00	B.E.B.	772.00
				M.S.E.B.	772.00
Kawas CCST (Gas)	106.00	0.18	0.18	B.E.B.	0.18

TABLE NO. 42.(Contd.)

 INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
 GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1991-92

Name of the Power Station	Installed capacity (MW)	Energy generated		Offtake by States including losses. (GWH)	
		(GWH)			
		Gross	Net		
Korba & V.S.T.P.S.	3390.00	19960.00	18462.00	M.P.E.B.	8649.00 (G)
				M.S.E.B.	5131.78
				G.E.B.	4240.36
				Goa	297.95
				D.&N.Haveli	178.00
				Daman & Diu	55.00
				H.S.E.B.	32.93
				H.P.S.E.B.	3.15
				J.&K.S.E.B.	15.86
				P.S.E.B.	3.62
				R.S.E.B.	56.00
				U.P.S.E.B.	205.00
				D.E.S.U.	31.53
Chandigarh	2.58				
A.P.S.E.B.	36.88				
Ramagundam S.T.P.S.	2100.00	11275.21	10261.66	A.P.S.E.B.	3075.70 (H)
				K.E.B.	2004.93
				K.S.E.B.	1286.21
				T.N.E.B.	3315.72
				Goa	199.29
				Pondicherry	379.81
Neyveli-I (Steam)	600.00	4027.61	3557.11	Tamil Nadu	3557.11 (I)
Neyveli-II (Steam)	1050.00	3981.47	3546.74	A.P.S.E.B.	1000.49
				K.E.B.	663.12
				K.S.E.B.	420.79
				Tamil Nadu	1333.62 (J)
				Pondicherry	128.72
Kalpakkam (Nuclear)	470.00	2160.16	1860.49	A.P.S.E.B.	575.76
				K.E.B.	388.17
				K.S.E.B.	130.02
				Tamil Nadu	694.23 (K)
				Pondicherry	72.31
A.P. Gas Power Corp.	99.00	357.00	354.57	A.P.S.E.B.	354.57

TABLE NO. 42. (Contd.)

 INSTALLED CAPACITY, ENERGY GENERATED, ENERGY SENT OUT BY CENTRAL
 GOVT. PROJECTS, DVC & STATE GOVT. PROJECTS DURING 1991-92

Name of the Power Station	Installed capacity (MW)	Energy generated (GWH)		Offtake by States including losses. (GWH)
		Gross	Net	
Rengali (Hydro)	200.00	740.27	738.18	O.S.E.B. 738.18
Upper Kolab (Hydro)	240.00	1077.27	1071.44	O.S.E.B. 1071.44
Durgapur Projects Ltd. (Steam)	395.00	611.00	523.12	B.S.E.B. 28.97 D.V.C. 75.60 West Bengal 545.05 (L)
Kolaghat (Steam) (W.B.P.D.C.)	840.00	3897.00	3510.26	W.B.S.E.B. 3510.26
D.V.C. @	2031.50	5330.37	4557.94	O.S.E.B. 107.56 Bihar 4063.30 (M) West Bengal 2128.64 (N)
Farakka S.T.P.S.	630.00	3361.00	2979.00	Bihar 1672.00 Orissa 209.00 West Bengal 391.00 (O) D.V.C. 695.00 Sikkim 12.00
Kahalagaon (Steam)	210.00	0.00	0.00	----- 0.00
Kopili & Khandong (N.E.E.P.CO)	150.00	823.41	821.16	Assam 782.75 Bihar 0.66 Meghalaya 59.77 (P) Nagaland 0.00 Tripura 41.30 Mizoram 51.68
Loktak (Hydro)	105.00	544.00	539.00	Assam S.E.B. 66.00 Manipur 259.00 Nagaland 99.00 N.E.E.P.CO. 115.00
Hoz Basti (Micro-Hydro) (N.E.E.P.CO.)	0.01	0.00	0.00	-- 0.00

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.

TABLE NO. 42.(Contd.)

- (A) Includes 12.48 GWH of colony consumption.
- (B) Includes colony consumption & sales to Chamera Hydro Electric Project of 56.00 GWH.
- (C) Includes construction & colony consumption of 21.87 GWH.
- (D) Includes colony consumption of 19.00 GWH.
- (E) Includes colony consumption 9.00 GWH.
- (F) Includes Heavy Water Plant consumption of 121.04 GWH.
- (G) Includes colony & Construction & B.C.P.P. consumption of 53.00 GWH.
- (H) Includes colony consumption of 17.47 GWH.
- (I) Includes energy consumed by Neyveli Lignite Corporation. within works of 522.15 GWH.
- (J) Includes 190.78 GWH energy used for Neyveli mines.
- (K) Includes 42.23 GWH energy used for I.G.C.A.R.
- (L) Includes energy sales to direct consumers of 223.50 GWH.
- (M) Includes 2243.53 GWH energy direct sales by DVC to ultimate consumers in Bihar area.
- (N) Includes 554.29 GWH energy direct sales by D.V.C. to ultimate consumers in West Bengal area.
- (O) Includes colony consumption of 12.00 GWH.
- (P) Includes colony consumption of 6.10 GWH.

TABLE NO. 43

 STATEMENT SHOWING INTERSTATE TRANSFER OF POWER
 REGIONWISE/STATEWISE DURING 1991-92

Name of the Supplier	Name of the Purchaser	Energy Transferred (GWH)
NORTHERN REGION		
Haryana S.E.B.	Himachal Pradesh S.E.B.	25.44
Haryana S.E.B.	Punjab S.E.B.	5.21
Haryana S.E.B.	Rajasthan S.E.B.	0.01
Haryana S.E.B.	D.E.S.U.	90.94
Himachal Pradesh S.E.B.	Haryana S.E.B.	50.59
Himachal Pradesh S.E.B.	Rajasthan S.E.B.	41.53
Himachal Pradesh S.E.B.	U.P.S.E.B.	125.28
Himachal Pradesh S.E.B.	D.E.S.U.	347.01
J.&K. S.E.B.	Rajasthan S.E.B.	2.24
Punjab S.E.B.	Haryana S.E.B.	7.69
Punjab S.E.B.	Himachal Pradesh S.E.B.	58.07
Punjab S.E.B.	J.&K. S.E.B.	2.38
Punjab S.E.B.	Rajasthan S.E.B.	273.59
Punjab S.E.B.	U.P.S.E.B.	19.02
Punjab S.E.B.	Chandigarh	31.04
Punjab S.E.B.	D.E.S.U.	17.13
Rajasthan S.E.B.	Haryana S.E.B.	3.12
Rajasthan S.E.B.	Chandigarh	1.94
U.P.S.E.B.	Himachal Pradesh S.E.B.	234.42
U.P.S.E.B.	Rajasthan S.E.B.	5.65
Chandigarh	Rajasthan S.E.B.	2.49
D.E.S.U.	Punjab S.E.B.	0.02
D.E.S.U.	Rajasthan S.E.B.	30.84
WESTERN REGION		
Gujarat Elec. Board	Maharashtra S.E.B.	121.71
Gujarat Elec. Board	Dadra & Nagar Haveli	4.90
Gujarat Elec. Board	Daman & Diu	38.45
Maharashtra S.E.B.	Gujarat Elec. Board	848.73
Maharashtra S.E.B.	Madhya Pradesh E.B.	35.98
Maharashtra S.E.B.	Goa	197.47
SOUTHERN REGION		
Andhra Pradesh S.E.B.	Pondicherry	18.16
Karnataka Elec. Board	Kerala S.E.B.	28.18
Kerala S.E.B.	Karnataka E.B.	0.06
Kerala S.E.B.	Tamil Nadu S.E.B.	2.11
Kerala S.E.B.	Pondicherry	14.21
Tamil Nadu S.E.B.	Pondicherry	133.00

TABLE NO. 43 (Contd.)

STATEMENT SHOWING INTERSTATE TRANSFER OF POWER
REGIONWISE/STATEWISE DURING 1991-92

Name of the Supplier	Name of the Purchaser	Energy Transferred (GWH)
EASTERN REGION		
Bihar S.E.B.	Damodar Valley Corp.	68.08
Orissa S.E.B.	Damodar Valley Corp.	42.76
Orissa S.E.B.	Bihar S.E.B.	36.98
West Bengal S.E.B.	Bihar S.E.B.	12.67
West Bengal S.E.B.	Damodar Valley Corp.	324.36
West Bengal S.E.B.	Durgapur Projects Ltd.	57.00
Damodar Valley Corp.	Orissa S.E.B.	107.36
Damodar Valley Corp.	Bihar S.E.B.	1789.36
Damodar Valley Corp.	West Bengal S.E.B.	724.81
Damodar Valley Corp.	Durgapur Projects Ltd.	69.50
Damodar Valley Corp.	Licenseses in W. Bengal	773.92
Damodar Valley Corp.	N.T.P.C.	4.12
Damodar Valley Corp.	F.C.I.	29.81
NORTH EASTERN REGION		
Assam S.E.B.	Nagaland	12.84
Assam S.E.B.	Tripura	27.69
Assam S.E.B.	Arunachal Pradesh	20.92
Assam S.E.B.	Mizoram	9.90
Meghalaya S.E.B.	Assam S.E.B.	199.39
Tripura	Assam S.E.B.	0.29
Tripura	Mizoram	0.97
INTER - REGIONAL TRANSFERS OF POWER		
NORTHERN REGION		
Rajasthan S.E.B.	WESTERN REGION	
U.P.S.E.B.	M.P. Elec. Board	64.65
	M.P. Elec. Board	50.00
WESTERN REGION		
Madhya Pradesh E.B.	NORTHERN REGION	
	Rajasthan S.E.B.	97.89
WESTERN REGION		
Madhya Pradesh E.B.	SOUTHERN REGION	
Maharashtra S.E.B.	Andhra Pradesh S.E.B.	72.64
Maharashtra S.E.B.	Karnataka Elec. Board	0.39
	Andhra Pradesh S.E.B.	152.14
WESTERN REGION		
Madhya Pradesh E.B.	EASTERN REGION	
	Orissa S.E.B.	24.85
SOUTHERN REGION		
Andhra Pradesh S.E.B.	WESTERN REGION	
	Madhya Pradesh E.B.	40.06
SOUTHERN REGION		
Andhra Pradesh S.E.B.	EASTERN REGION	
	Orissa S.E.B.	157.38
EASTERN REGION		
Orissa S.E.B.	SOUTHERN REGION	
	Andhra Pradesh S.E.B.	48.21
EASTERN REGION		
W.B.S.E.B.	NORTH EASTERN REGION	
	Assam S.E.B.	56.30
NORTH EASTERN REGION		
Assam S.E.B.	EASTERN REGION	
	W.B.S.E.B.	1.43

TABLE NO. 43 (Contd.)
 STATEMENT SHOWING INTERSTATE TRANSFER OF POWER
 REGIONWISE/STATEWISE DURING 1991-92

Name of the Supplier	Name of the Purchaser	Energy Transferred (GWH)
	OUTSIDE THE COUNTRY	
Uttar Pradesh S.E.B.	Nepal	25.00
Bihar S.E.B.	Nepal	23.25
West Bengal S.E.B.	Bhutan	1.00
Assam S.E.B.	Bhutan	3.74
Nepal & Gandak Project	Bihar S.E.B.	83.20
Bhutan	D.V.C.	380.00
Bhutan	Bihar S.E.B.	413.00
Bhutan	West Bengal S.E.B.	417.00
Bhutan	Sikkim	21.00
Bhutan	Orissa S.E.B.	192.00

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.

SECTION VI

Operating Data (Utilities)

SECTION - VI
-----OPERATING DATA (UTILITIES)

The coal consumption by various steam stations in the country during the year 1991-92 was 133.68 million metric tonnes as compared to 112.90 million metric tonnes during the previous year indicating an increase of 18.41%. The consumption of fuels viz. lignite, natural gas, furnace oil, diesel oil & LSHS/HHS increased by 9.22%, 148.44%, 4.30%, 11.45% & 13.17% respectively, whereas consumption of refinery gas decreased by 20.30%. Total fuel consumption for steam power station (i.e. coal equivalent assuming average calorific value as 5000 K.Cal./Kg.) increased by 8.00% in 1991-92 as against 10.57% increase in steam generation. The average heat rate for all the power stations improved to 2736 K.Cal./Kwh. in 1991-92 as compared to 2801 K.Cal./Kwh. in previous year.

Out of 104 steam power stations, 19 power stations having aggregate installed capacity of 2360.88 MW representing 5.27% of total installed capacity of steam stations reported an overall thermal efficiency below 20%. This group of stations produced 3529.41Gwh i.e. 1.78% of total steam generation.

Twenty power stations with an aggregate installed capacity of 7535.60 MW reported an overall thermal efficiency ranging between 20% to 25% and generated 25652.13 Gwh. i.e. 13.01% of total steam generation. 29 power stations with aggregate capacity of 11252.50 MW had an overall thermal efficiency in the range of 25 to 30% and produced 43253.13 Gwh representing 21.94% of total steam generation. 36 power stations with aggregate capacity of 23642.50 MW reported an overall thermal efficiency above 30% and generated 124728.43 Gwh which represents 63.27% of total steam generation during 1991-92. Thus nearly 85% of the total steam generation was from the steam plants having an overall thermal efficiency of above 25% in 1991-92.

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
 FROM THERMAL STATIONS (BY KIND OF FUELS)
 REGIONWISE/STATEWISE DURING 1991-92

Region	State/U.Ts	S T E A M S T A T I O N S		
		(COAL) (MT)	LIGNITE (MT)	FURNACE OIL (KL)
NORTHERN REGION	Haryana	2621258	0	16799
	Himachal Pradesh	0	0	0
	Jammu & Kashmir	0	0	0
	Punjab	3867651	0	16870
	Rajasthan	2645591	0	8775
	Uttar Pradesh	12098957	0	93761
	Chandigarh	0	0	0
	Delhi	1633356	0	54919
Central Sector	14886810	0	39745	
	Sub-Total	37753623	0	230869
WESTERN REGION	Gujarat	9905630	384005	40249
	Madhya Pradesh	9627589	0	115875
	Maharashtra	22155377	0	107855
	Goa	0	0	0
	D.&N. Haveli	0	0	0
	Daman & Diu	0	0	0
	Central Sector	13117466	0	43497
	Sub-Total	54806062	384005	307476
SOUTHERN REGION	Andhra Pradesh	7169951	0	16002
	Karnataka	1996953	0	7704
	Kerala	0	0	0
	Tamil Nadu	7116698	0	21264
	Pondicherry	0	0	0
	Central Sector	7475591	10117848	23054
	Sub-Total	23759193	10117848	68024
EASTERN REGION	Bihar	2185733	0	5232
	Orissa	1072755	0	13502
	West Bengal	7002561	0	20000
	D.V.C.	3756868	0	97839
	A.&N. Islands	0	0	0
	Sikkim	0	0	0
	Central Sector	3095796	0	28493
	Sub-Total	17113713	0	165066
NORTH EASTERN REGION	Assam	250009	0	40234
	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	250009	0	40234
	Total (All India)	133682600	10501853	811669

Note:- MT= Metric Tonnes KL= Kilo Litres

TABLE NO. 44 (Contd.)

Region	State/U.Ts	S T E A M S T A T I O N S		
		LIGHT DIESEL OIL/HSD (KL)	LSHS/HHS* (KL)	NATURAL GAS (Million Cu. Mts.)
NORTHERN REGION	Haryana	4288	53789	0
	Himachal Pradesh	0	0	0
	Jammu & Kashmir	0	0	0
	Punjab	4594	1173 (A)	0
	Rajasthan	1768	14272	0
	Uttar Pradesh	48254	0	0
	Chandigarh	0	0	0
	Delhi	2785	0	0
Central Sector	1683	0	0	
	Sub-Total	63372	69234	0
WESTERN REGION	Gujarat	13112	887254	233.96
	Madhya Pradesh	13256	764	0
	Maharashtra	83074	707628 **	621658 @
	Goa	0	0	0
	D.&N. Haveli	0	0	0
	Daman & Diu	0	0	0
	Central Sector	100	2011	0
	Sub-Total	109542	1597657 **	621891.96 (C)
SOUTHERN REGION	Andhra Pradesh	5401 (B)	5310	0
	Karnataka	171	0	0
	Kerala	0	0	0
	Tamil Nadu	2382	4744	0
	Lakshdweep	0	0	0
	Pondicherry	0	0	0
	Central Sector	1233	33008	0
	Sub-Total	9187 (B)	43062	0
EASTERN REGION	Bihar	55967	14766	0
	Orissa	4182	0	0
	West Bengal	58737	0	0
	D.V.C.	0	0	0
	A.&N. Islands	0	0	0
	Sikkim	0	0	0
	Central Sector	0	0	0
	Sub-Total	118886	14766	0
NORTH EASTERN REGION	Assam	339	76374	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	339	76374	0
	Total (All India)	301326 (B)	1801093 **	621891.96 (C)

(A) Heavy Petroleum Stock.

(B) Includes 326 KL Superior Kerosene Oil.

(C) Includes 223.96 MCM of Natural gas.

** Includes 6000 KL Ignition Oil.

@ Refinery gas in Metric Tonnes.

TABLE NO. 44 (Contd.)

Region	State/U.Ts	STEAM STATIONS		
		HEAT INPUT (K.Cal.x 1000,000,000)	GROSS GENERATION (GWH)	AVERAGE HEAT INPUT (K.Cal/Kwh)
NORTHERN REGION	Haryana	11940.35	3276.12	3644
	Himachal Pradesh	0.00	0.00	0
	Jammu & Kashmir	0.00	0.00	0
	Punjab	15468.73	5934.36	2606
	Rajasthan	12847.63	3730.01	3444
	Uttar Pradesh	45329.50	13185.71	3437
	Chandigarh	0.00	0.00	0
	Delhi	7383.11	2041.35	3616
Central Sector	30869.25	24731.09	0	
	Sub-Total	123838.57	52898.64	2341
WESTERN REGION	Gujarat	54763.17	19368.62	2827
	Madhya Pradesh	33244.46	11579.90	2870
	Maharashtra	84111.45	30457.64	2761
	Goa	0.00	0.00	0
	D.&N. Haveli	0.00	0.00	0
	Daman & Diu	0.00	0.00	0
	Central Sector	49875.54	19960.00	2498
	Sub-Total	221994.62	81366.16	2728
SOUTHERN REGION	Andhra Pradesh	24046.17	8726.17	2755
	Karnataka	5387.01	2585.71	2083
	Kerala	0.00	0.00	0
	Tamil Nadu	25858.48	9398.28	2751
	Lakshdweep	0.00	0.00	0
	Pondicherry	0.00	0.00	0
	Central Sector	54219.82	19284.29	2750
	Sub-Total	109511.48	39994.45	2738
EASTERN REGION	Bihar	9285.08	2349.50	3951
	Orissa	9720.89	1207.96	8047
	West Bengal	36034.02	10434.84	3453
	D.V.C.	17793.23	4915.69	3619
	A.&N. Islands	0.00	0.00	0
	Sikkim	0.00	0.00	0
	Central Sector	9072.03	3361.00	2699
	Sub-Total	81905.25	22268.99	3678
NORTH EASTERN REGION	Assam	2268.74	634.86	3574
	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
	Sub-Total	2268.74	634.86	3574
	Total (All India)	539518.66	197163.10	2736

TABLE NO. 44 (Contd.)

Region	State/U.Ts	G A S S T A T I O N S	
		Natural Gas (Million Cu.Mts.)	Generation (GWH)
NORTHERN REGION	Haryana	0.00	0.00
	Himachal Pradesh	0.00	0.00
	Jammu & Kashmir	180000.00	OIL (E) 85.00
	Punjab	0.00	0.00
	Rajasthan	0.00	0.00
	Uttar Pradesh	0.00	0.00
	Chandigarh	0.00	0.00
	Delhi 1300+235.08	1535.08 *	662.00
	Central Sector	1362.80	6241.95
	Sub-Total	182897.88 **	6988.95
WESTERN REGION	Gujarat	241.04	583.17
	Madhya Pradesh	0.00	0.00
	Maharashtra	1005.77	2919.74
	Goa	0.00	0.00
	D.&N. Haveli	0.00	0.00
	Daman & Diu	0.00	0.00
	Central Sector	0.41	0.18
	Sub-Total	1247.22	3503.09
SOUTHERN REGION	Andhra Pradesh	130.63	357.00
	Karnataka	0.00	0.00
	Kerala	0.00	0.00
	Tamil Nadu	1.00	(E) 1.53
	Lakshdweep	0.00	0.00
	Pondicherry	0.00	0.00
	Central Sector	0.00	0.00
	Sub-Total	131.63	358.53
EASTERN REGION	Bihar	0.00	0.00
	Orissa	0.00	0.00
	West Bengal	12088.72 ***	30.55
	D.V.C.	90000.00	43.61
	A.&N. Islands	0.00	0.00
	Sikkim	0.00	0.00
	Central Sector	0.00	0.00
	Sub-Total	102088.72 @	74.16
NORTH EASTERN REGION	Assam	180.57	444.68
	Manipur	0.00	0.00
	Meghalaya	0.00	0.00
	Nagaland	0.00	0.00
	Tripura	124.50	80.54
	Arunachal Pradesh	0.00	0.00
	Mizoram	0.00	0.00
	Sub-Total	305.07	525.22
	Total (All India)	286670.52 (A)	11449.95
OIL = Oil in Kiloliters		(E) = Estimated	
* Includes 1300 KL Oil.		@ Includes 102083 Oil.	
** Includes 181300 KL Oil.		(A) Includes 193383 Oil.	
*** Includes 12083 Oil.			

TABLE NO. 44 (Contd.)

Region	State/U.Ts	D I E S E L S T A T I O N S		
		Diesel Oil (K.Lts.)	Generation (GWH)	Average Oil Consumed Lts./Kwh.
NORTHERN REGION	Haryana	0.00	0.00	0.00
	Himachal Pradesh	6.00	0.01	0.60
	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	6.00	0.01	0.60
WESTERN REGION	Gujarat	195.00	0.50	0.39
	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	195.00	0.50	0.39
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
	Lakshdweep	4150.00	10.64	0.39
	Pondicherry	0.00	0.00	0.00
	Central Sector	0.00	0.00	0.00
	Sub-Total	4150.00	10.64	0.39
EASTERN REGION	Bihar	0.00	0.00	0.00
	Orissa	0.00	0.00	0.00
	West Bengal	185.00	0.37	0.50
	D.V.C.	0.00	0.00	0.00
	A.&N. Islands	15040.00	51.79	0.29
	Sikkim	640.00	1.23	0.52
	Central Sector	0.00	0.00	0.00
	Sub-Total	15865.00	53.39	0.30
NORTH EASTERN REGION	Assam	0.00	0.00	0.00
	Manipur	702.00	2.69	0.26
	Meghalaya	0.00	0.00	0.00
	Nagaland	16.00	0.04	0.40
	Tripura	700.00	2.02	0.35
	Arunachal Pradesh	4728.00	14.34	0.33
	Mizoram	5082.00	11.82	0.43
	Sub-Total	11228.00	30.91	0.36
	Total (All India)	31444.00	95.45	0.33

TABLE NO. 45

CLASSIFICATION OF STEAM STATIONS EFFICIENCYWISE DURING 1991-92

Overall Thermal Efficiency	No. of Generating Stations	Aggregate Installed Capacity (MW)	Energy Generated by the Group (GWH)	%age to Total Generation
Upto 10%	7	603.00	5.92	0.00
Above 10% & upto 15%	6	656.38	1428.20	0.72
Above 15% & upto 20%	6	1101.50	2095.29	1.06
Above 20% & upto 25%	20	7535.60	25652.13	13.01
Above 25% & upto 30%	29	11252.50	43253.13	21.94
Above 30%	36	23642.50	124728.43	63.27
Total	104	44791.48	197163.10	100.00

TABLE NO. 46

SALIENT OPERATING DATA FOR STEAM POWER STATIONS (UTILITIES ONLY)
DURING 1991-92

Item	1991-92	1990-91	% Increase
i. No. of Stations	104.00	100.00	4.00
ii. Aggregate installed capacity (M.W.)	44791.48	43003.98	4.16
iii. Total Energy generated (Gross)(GWH)	197163.10	178321.71	10.57
iv. Installed capacity of plants (above 50 MW)	44505.50	42718.00	4.18
v. Energy generated from plants (above 50 MW)	196146.76	177511.40	10.50
vi. KWH/KW installed from plants (above 50 MW)	4436.46	4280.86	3.63
vii. Fuel used (All Stations)			
(a)(i) Coal (Tonnes)	133682630.00	112897212.00	18.41
(ii) Average calorific value K.Cal./Kg.	3837.00	3889.00	
(b)(i) Lignite (Tonnes)	10501853.00	9615132.00	9.22
(ii) Average calorific value K.Cal./Kg.	2457.00	2373.00	
(c)(i) Furnace Oil (K.Ltrs.)	811669.00	777735.00	4.36
(ii) Average calorific value K.Cal./Kg.	10057.00	10234.00	
(d)(i) Diesel Oil & Kerosene Oil (k.Ltrs.)	301000.00	270073.00	11.45
(ii) Average calorific value K.Cal./Kg.	10350.00	10451.00	
(e)(i) Natural Gas (M. Cu. Mtrs.)	233.96	94.17	148.44
(ii) Average calorific value (K.Cal./M.Cu.Mts.)	9335.00	10428.00	
(f)(i) Refinery Gas (M.T.)	621658.00	780000.00	-20.30
(ii) Average calorific value (K.Cal./Kg.)	10688.00	11000.00	
(g)(i) LSHS & HHS (K.L.)	1801095.00	1591471.00	13.17
(ii) Average calorific value (K.Cal./Ltrs.)	10951.00	10944.00	
(h) Overall thermal efficiency for plants above 50MW (Average)	31.29	30.67	2.02
(i) Total fuel consumption (coal equivalent assuming calorific value as 5000 K.Cal/Kg) in Tonnes (All Stations)	107903732.00	99909778.00	8.00

TABLE NO. 47.

 ACTUAL SIMULTANEOUS PEAK DEMAND @
 REGIONWISE DURING 1991-92

Region	Month in which demand was	Actual Peak Demand @ (MW)
Northern	July, 1991	14533.00
Western	March, 1992	13585.00
Eastern	November, 1991	4451.00
Southern	March, 1992	10537.00
North Eastern	December, 1991	566.00
All India Aggregate		43672.00 *

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

@ Figures of peak demand of actual simultaneous Peak Demand on the system irrespective of Power restrictions.

Source: Annual reports of Regional Electricity Boards.

TABLE No. 48

MANPOWER ENGAGED IN STATE ELECTRICITY BOARDS; DVC & DESU
AS ON 31.3.1992 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
	2	3	4	5
NORTHERN REGION				
Haryana	25	1424	6067	26208
Himachal Pradesh (R)	N.A.	N.A.	N.A.	N.A.
Punjab	21	2478	39403	49293
Rajasthan (R)	19	1472	2118	37983
Uttar Pradesh	76	4135	6854	89386
D.E.S.U.	N.A.	2726 @	N.A.	15999
WESTERN REGION				
Gujarat	16	2453	2308	23721
Madhya Pradesh	51	4002	5307	59949
Maharashtra	33	961	7568	78162
SOUTHERN REGION				
Andhra Pradesh	31	2208	16777	39149
Karnataka (R)	10	2207	11942	27917
Kerala (R)	13	8576	8631	5113
Tamil Nadu	35	2932	7438	84491
EASTERN REGION				
Bihar	N.A.	N.A.	0	0
Orissa (R)	9	1565	31818	0
West Bengal	N.A.	1709	N.A.	10997
D.V.C.	89	1566	814	7390
NORTH EASTERN REGION				
Assam	12	1174	2977	20551
Meghalaya	5	114	297	1975

Note: Data in respect of State Elec. Board of J & K is not available.

@ Includes Managerial & higher executives and Technical Supervisory staff.

N.A. = No information available.

(R) = Repeat.

TABLE No. 48 (Contd.)

MANPOWER ENGAGED IN STATE ELECTRICITY BOARDS, DVC & DESU
AS ON 31.3.1992 AS REPORTED BY STATE ELECTRICITY BOARDS

Board/ Undertaking	REGULAR		NON REGULAR	
	Non- Technical	Total (Regular) (2 to 6)	Technical Trainees & apprentices	Work Charged Staff
	6	7	8	9
NORTHERN REGION				
Haryana	12364	46088	88	5448 (C)
Himachal Pradesh	N.A.	31036	N.A.	N.A.
Punjab	23434	75226	N.A.	19325
Rajasthan	14560	56172	50	394
Uttar Pradesh	(B)	100451	0	0
D.E.S.U.	7627	26352	N.A.	N.A.
WESTERN REGION				
Gujarat	15968	44466	0	1474
Madhya Pradesh	29001	98310	349	N.A.
Maharashtra	20726	107450	N.A.	N.A.
SOUTHERN REGION				
Andhra Pradesh	6497	64662	1165	5172
Karnataka	3255	45381	0	0
Kerala	8777	31110	110	N.A.
Tamil Nadu	25153	120049	N.A.	N.A.
EASTERN REGION				
Bihar	N.A.	42430	0	0
Orissa	0	33392	784	571
West Bengal	N.A.	0	N.A.	0
D.V.C.	9653	19512	0	0
NORTH EASTERN REGION				
Assam	0	29979	104	862
Meghalaya	2277	4668	0	0

(B) = Included in technicians & Operating staff.

(C) = Includes casual also.

N.A. = No information available.

TABLE No. 48 (Contd.)

MANPOWER ENGAGED IN STATE ELECTRICITY BOARDS, DVC & DESU
AS ON 31.3.1992 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.A.	5536	51624
Himachal Pradesh (R)	N.A.	N.A.	31036
Punjab	5334	24659	99885
Rajasthan (R)	805	1249	57401
Uttar Pradesh	0	0	100451
D.E.S.U.	N.A.	N.A.	26352
WESTERN REGION			
Gujarat	N.A.	1474	45940
Madhya Pradesh	N.A.	349	98659
Maharashtra	N.A.	N.A.	107450
SOUTHERN REGION			
Andhra Pradesh	522	6859	71521
Karnataka (R)	0	0	45381
Kerala (R)	N.A.	110	31220
Tamil Nadu	N.A.	1754	121803
EASTERN REGION			
Bihar	0	0	42430
Orissa (R)	6305	7640	41032
West Bengal	N.A.	15757	29241
D.V.C.	0	0	19512
NORTH EASTERN REGION			
Assam	N.A.	966	30945
Meghalaya	0	0	4668

Note: Figures pertains to regular employees only.

N.A. = No information available.

(R) = Repeat.

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 400 KV, 230 / 220KV, 110 KV and 66 KV. 400 KV E.H.V. lines have been introduced so far by the S.E.Bs of U.P., W.B., M.P., Maharashtra and Gujarat 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, 400 / 230 Volts besides 6.6 KV, 3.3 KV and 2.2 KV. The low voltage system has 3 phase 4 wires giving 400 / 420 volts between 2 phases and 220 / 240 volts between phase and neutral. This has been universally adopted in the country.

The table below depicts the length of lines operating at various voltages as on 31.3.1992 with comparative increase over previous year:-

Voltages	Length of Lines (Ckt. Kms.)		
	31.3.91	31.3.92	% increase
HVDC	-	1630	-
400 KV	21634	23085	6.70
230/220 KV	62345	65967	5.81
132/110/90 KV	87965	89509	17.55
78/66 KV	34947	35712	2.19
33/22 KV	212267	218070	2.73
15/11 KV	1327810	1383006	4.16
6.6/3.3/2.2 KV	1964	2107	7.28
Distribution lines upto 500 volts	2784482	2755114	(-) 1.06
Total	4533414	4574200	0.90

The State of Madhya Pradesh has the largest T.&D. network of 5,34,769 Ckt. Kms. in the country. Apart from Maharashtra, States of Punjab, Haryan, Rajasthan, Uttar Pradesh, Gujarat, Andhra Pradesh, 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, 1992 were 1508 having aggregate capacity of 81246.28 MVA. The number and capacity of step down and distribution transformers as on the same date were 16283 and 1266064 numbers with aggregate capacity of 220993.38 MVA and 97013.22 MVA respectively.

TABLE No. 49

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1992

		(Ckt. Kms.)				
REGION-	Name of the State / U.T.s	Total	HVDC	400 KV (O.H.)	230 KV (O.H.)	220 KV (O.H.)
NORTHERN REGION	Haryana	157006	0	0	0	759
	Himachal Pradesh (R)	56592	0	0	0	192
	Jammu & Kashmir (R)	42154	0	0	0	224
	Punjab	216047	0	270	0	4969
	Rajasthan	273021	0	0	0	4190
	Uttar Pradesh	426784	0	1877	0	5539
	Chandigarh (R)	1453	0	0	0	0
	Delhi	30204	0	0	0	376
	Central Sector	8178	1630	4387	0	2161
	Sub-Total	1211439	1630	6534	0	18410
WESTERN REGION	Gujarat	285767	0	776	0	6256
	Madhya Pradesh	534769	0	1246	0	6230
	Maharashtra	483231	0	4070	2	6919
	Goa	7719	0	0	0	24
	Daman & Diu	464	0	0	0	0
	D.&N. Haveli	1101	0	0	0	0
	Central Sector	4832	0	4228	0	604
		Sub-Total	1317883	0	10320	2
SOUTHERN REGION	Andhra Pradesh	496641	0	0	0	5378
	Karnataka	405117	0	0	0	5532
	Kerala	136415	0	0	0	1065
	Tamil Nadu	458865	0	354	5407	0
	Lakshadweep	213	0	0	0	0
	Pondicherry	4251	0	0	63	0
	Central Sector	4045	0	4045	0	0
		Sub-Total	1505547	0	4399	5470
EASTERN REGION	Bihar	180565	0	93	0	1491
	Orissa	107168	0	188	0	2383
	West Bengal	134473	0	134	0	2798
	D.V.C.	4490	0	0	0	719
	A.&N. Islands (R)	2110	0	0	0	0
	Sikkim (R)	4460	0	0	0	0
	Central Sector	2693	0	1417	0	1276
	Sub-Total	435959	0	1832	0	8667
NORTH EASTERN REGION	Assam (R)	57043	0	0	0	1202
	Manipur	6400	0	0	0	0
	Meghalaya	11522	0	0	0	0
	Nagaland (R)	9022	0	0	0	0
	Tripura (R)	8228	0	0	0	0
	Arunachal Pradesh (R)	5172	0	0	0	0
	Mizoram	5077	0	0	0	0
	Central Sector	908	0	0	0	208
	Sub-Total	103372	0	0	0	1810
	Total (All India)	4574200	1630	23085	5472	60995

TABLE No. 49 (Contd.)
LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1992

		(Ckt. Kms.)				
REGION	Name of the State / U.T.s	132 KV (O.H.)	110/90 KV (O.H.)	78/66 KV (O.H.)	33 KV (O.H.)	(U.G.)
NORTHERN REGION	Haryana	1958	0	1541	4052	0
	Himachal Pradesh (R)	301	0	325	1810	0
	Jammu & Kashmir (R)	659	0	0	1693	0
	Punjab	2858	0	3506	1534	0
	Rajasthan	6982	0	303	17153	0
	Uttar Pradesh	9856	0	3027	23605	0
	Chandigarh (R)	0	0	28	20	0
	Delhi	0	0	577	471	483
	Central Sector	0	0	0	0	0
	Sub-Total	22614	0	9307	50338	483
WESTERN REGION	Gujarat	4093	0	9997	325	0
	Madhya Pradesh	10444	0	362	28600	0
	Maharashtra	6415	2896	3231	16319	18
	Goa	0	198	0	743	0
	Daman & Diu	0	0	47	0	0
	D.&N. Haveli	0	0	33	0	0
	Central Sector	0	0	0	0	0
	Sub-Total	20952	3094	13670	45987	18
SOUTHERN REGION	Andhra Pradesh	8425	0	1133	20960	23
	Karnataka	0	4955	4091	4849	0
	Kerala	0	2192	2606	0	0
	Tamil Nadu	0	8500	2783	3238	162
	Lakshadweep	0	0	0	0	0
	Pondicherry	0	108	10	0	0
	Central Sector	0	0	0	0	0
	Sub-Total	8425	15755	10623	29047	185
EASTERN REGION	Bihar	4277	0	0	11495	0
	Orissa	3739	0	136	9194	10
	West Bengal	3121	0	806	5366	737
	D.V.C.	2928	0	0	843	0
	A.&N. Islands (R)	0	0	0	149	0
	Sikkim (R)	0	0	29	0	0
	Central Sector	0	0	0	0	0
	Sub-Total	14065	0	971	27047	747
NORTH EASTERN REGION	Assam (R)	2725	0	674	2469	0
	Manipur	214	0	0	446	0
	Meghalaya	597	0	0	1025	0
	Nagaland (R)	73	0	25	1165	0
	Tripura (R)	150	0	308	443	0
	Arunachal Pradesh (R)	0	0	0	2223	0
	Mizoram	145	0	134	779	0
	Central Sector	700	0	0	0	0
	Sub-Total	4604	0	1141	8550	0
	Total (All India)	70660	18849	35712	160969	1433

(A) In certain class of voltage, figures have gone down as compared to previous year due to revision/deletion or wrongly reported data by State Electricity Board/Electricity Department.
(R) Data of 1990-91 repeated due to non-availability of information.

TABLE No. 49 (Contd.)
LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1992

REGION	Name of the State / U.T.s	22/20 KV		15/11KV		6.6 KV	
		(O.H.)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
NORTHERN REGION	Haryana	0	0	49738	0	0	0
	Himachal Pradesh (R)	3866	0	10645	62	0	0
	Jammu & Kashmir (R)	0	0	11538	0	0	0
	Punjab	0	0	68244	0	70	52
	Rajasthan	0	0	104105	0	56	0
	Uttar Pradesh	0	0	176438	0	0	0
	Chandigarh (R)	0	0	542	0	0	0
	Delhi	0	0	2543	5144	0	0
	Central Sector	0	0	0	0	0	0
	Sub-Total	3866	0	423793	5206	126	52
WESTERN REGION	Gujarat	7651	0	100824	1692	0	0
	Madhya Pradesh	0	0	174956	0	0	0
	Maharashtra	16764	910	128738	2008	55	1333
	Goa	0	0	2031	0	0	0
	Daman & Diu	0	0	116	0	0	0
	D.&N. Haveli	0	0	345	0	0	0
	Central Sector	0	0	0	0	0	0
	Sub-Total	24415	910	407010	3700	55	1333
SOUTHERN REGION	Andhra Pradesh	0	0	136281	22	(G)	(G)
	Karnataka	0	0	107642	0	0	0
	Kerala	0	0	21767	(E)	0	0
	Tamil Nadu	25818	36	61238	1149	0	0
	Lakshadweep	0	0	0	0	0	0
	Pondicherry	566	0	191	25	0	0
	Central Sector	0	0	0	0	0	0
	Sub-Total	26384	36	327119	1196	0	0
EASTERN REGION	Bihar	0	0	73030	0	0	0
	Orissa	0	0	44914	192	0	0
	West Bengal	0	57	49165 (D)	708	10	197
	D.V.C.	0	0	0	0	0	0
	A.&N. Islands (R)	0	0	584	0	0	0
	Sikkim (R)	0	0	1692	0	0	0
	Central Sector	0	0	0	0	0	0
	Sub-Total	0	57	169385	900	10	197
NORTH EASTERN REGION	Assam (R)	0	0	25533	0	0	0
	Manipur	0	0	3129	0	0	0
	Meghalaya	0	0	5913	0	0	0
	Nagaland (R)	0	0	4369	0	0	0
	Tripura (R)	0	0	3365	0	0	0
	Arunachal Pradesh (R)	0	0	(B)	0	0	0
	Mizoram	0	0	2388	0	0	0
	Central Sector	0	0	0	0	0	0
	Sub-Total	0	0	44697	0	0	0
	Total (All India)	54665	1003	1372004	11002	191	1582

- 00 In included in O.H. category. (D) Included in 33 KV line.
 0 In included in 15/11 KV O.H. Category.
 (D) Includes line length of 6.6 KV & 3.3 KV of West Bengal State Electricity Board.
 (E) Included in O.H. category.

TABLE No. 49 (Contd.)
 LENGTH OF TRANSMISSION AND DISTRIBUTION LINES
 REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1992

Region	Name of the State / U.T.s	3.3/2.2 KV		Distribution lines upto 500 Volts.
		(D.H.)	(U.G.)	
NORTHERN REGION	Haryana	0	0	98958
	Himachal Pradesh (R)	(C)	52	39339
	Jammu & Kashmir (R)	0	0	28040
	Punjab	0	0	134544
	Rajasthan	13	0	140219
	Uttar Pradesh	0	0	206442
	Chandigarh (R)	0	0	863
	Delhi	0	0	20610
Central Sector	0	0	0	
	Sub-Total	13	52	669015
WESTERN REGION	Gujarat	0	107	154046 (E)
	Madhya Pradesh	49	0	312882
	Maharashtra	0	0	293553 (F)
	Goa	0	0	4723
	Daman & Diu	0	0	301
	D.&N. Haveli	0	0	723
Central Sector	0	0	0	
	Sub-Total	49	107	766228
SOUTHERN REGION	Andhra Pradesh	(G)	(G)	324419 (A)
	Karnataka	0	0	278048 (H)
	Kerala	0	0	108785
	Tamil Nadu	0	0	350180
	Lakshadweep	36	10	167
	Pondicherry	0	0	3288
Central Sector	0	0	0	
	Sub-Total	36	10	1064887
EASTERN REGION	Bihar	0	0	90179
	Orissa	0	0	46412
	West Bengal	26	22	71326
	D.V.C.	0	0	0
	A.&N. Islands (R)	0	0	1377
	Sikkim (R)	4	0	2735
Central Sector	0	0	0	
	Sub-Total	30	22	212029
NORTH EASTERN REGION	Assam (R)	0	0	24440
	Manipur	0	0	2611
	Meghalaya	15	0	3972
	Nagaland (R)	0	0	3390
	Tripura (R)	0	0	3962
	Arunachal Pradesh (R)	0	0	2949
	Mizoram	0	0	1631
Central Sector	0	0	0	
	Sub-Total	15	0	42955
	Total (All India)	143	191	2755114

- (E) Includes 6.6 KV & 3.3/2.2 KV lines of GEB & Ahmedabad Co.
 (F) Includes all the length of lines below 11 KV of Maharashtra State Electricity Board.
 (G) Included in Distribution lines.
 (H) Includes all the length of lines below 11 KV of Karnataka Electricity Board.
 (C) Included in U.G. Category.

TABLE No. 50

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1992.

		(Ckt.Kms.)			
REGION	Name of the Board	Total	400 KV (D.H.)	230 KV (D.H.)	220 KV (D.H.)
NORTHERN REGION	Haryana	157006	0	0	759
	Himachal Pradesh (R)	56592	0	0	192
	Jammu & Kashmir (R)	41774	0	0	224
	Punjab	212102	0	0	2001
	Rajasthan	271439	0	0	4190
	Uttar Pradesh	423154	1877	0	5539
	Sub-Total	1162067	1877	0	12905
WESTERN REGION	Gujarat	276933	776	0	6256
	Madhya Pradesh	512514	1246	0	6230
	Maharashtra	463338	4070	0	6919
	Sub-Total	1252785	6092	0	19405
SOUTHERN REGION	Andhra Pradesh	477903	0	0	5378
	Karnataka	402120	0	0	5532
	Kerala	135872	0	0	1065
	Tamil Nadu	449443	0	5054	0
	Sub-Total	1465338	0	5054	11975
EASTERN REGION	Bihar	179059	93	0	1491
	Orissa (R)	106278	188	0	2383
	West Bengal (R)	122393	134	0	1402
	Sub-Total	407730	415	0	5276
NORTH EASTERN REGION	Assam (R)	57043	0	0	1202
	Meghalaya	11522	0	0	0
	Sub-Total	68565	0	0	1202
Total (All Boards)		4356485	8384	5054	50763

(R) -Data of 1990-91 repeated due to non-availability of information.

TABLE No. 50 (Contd.)

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1992.

		(Ckt.Kms.)				
REGION	Name of the Board	132 KV (O.H.)	110/90 KV (O.H.)	78/66 KV (O.H.)	33 KV (O.H.) (U.G.)	
NORTHERN REGION	Haryana	1958	0	1541	4052	0
	Himachal Pradesh (R)	301	0	325	1810	0
	Jammu & Kashmir (R)	659	(*)	0	1693	0
	Punjab	2840	0	3361	1534	0
	Rajasthan	6982	0	303	17153	0
	Uttar Pradesh	9856	0	3027	23605	0
	Sub-Total	22596	0	8557	49847	0
WESTERN REGION	Gujarat	4028	0	9844	325	0
	Madhya Pradesh	10444	0	362	28600	0
	Maharashtra	6415	1924	3231	16319	4
	Sub-Total	20887	1924	13437	45244	4
SOUTHERN REGION	Andhra Pradesh	8425	0	920	20870	23
	Karnataka	0	4955	4091	4849	0
	Kerala	0	2192	2606	0	0
	Tamil Nadu	0	8500	2783	3238	162
	Sub-Total	8425	15647	10400	28957	185
EASTERN REGION	Bihar	4277	0	0	11495	0
	Orissa (R)	3739	0	136	9194	10
	West Bengal (R)	3007	0	806	5316	30
	Sub-Total	11023	0	942	26005	40
NORTH EASTERN REGION	Assam (R)	2725	0	674	2469	0
	Meghalaya	597	0	0	1025	0
	Sub-Total	3322	0	674	3494	0
	Total (All Boards)	66253	17571	34010	153547	229

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

(*) - Included in 33 KV line.

TABLE No. 50 (Contd.)

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1992.

		(Ckt. Kms.)					
REGION	Name of the Board	22 KV		15/11 KV		6.6 KV	
		(O.H.)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
NORTHERN REGION	Haryana	0	0	49738	0	0	0
	Himachal Pradesh (R)	3866	0	10645	62	0	0
	Jammu & Kashmir (R)	0	0	11428	0	0	0
	Punjab	0	0	68122	0	0	0
	Rajasthan	0	0	103681	0	56	0
	Uttar Pradesh	0	0	174730	0	0	0
Sub-Total		3866	0	418344	62	56	0
WESTERN REGION	Gujarat	7651	0	100387	0	0	0
	Madhya Pradesh	0	0	167303	0	0	0
	Maharashtra	16584	187	127136	725	0	0
Sub-Total		24235	187	394826	725	0	0
SOUTHERN REGION	Andhra Pradesh	0	0	131110	0	0	0
	Karnataka	0	0	106963	0	0	0
	Kerala	0	0	21589	0	0	0
	Tamil Nadu	25708	36	59875	1101	0	0
Sub-Total		25708	36	319537	1101	0	0
EASTERN REGION	Bihar	0	0	72496	0	0	0
	Orissa (R)	0	0	44571	192	0	0
	West Bengal (R)	0	0	47941	621	0	0
Sub-Total		0	0	165008	813	0	0
NORTH EASTERN REGION	Assam (R)	0	0	25533	0	0	0
	Meghalaya	0	0	5913	0	0	0
Sub-Total		0	0	31446	0	0	0
Total (All Boards)		53809	223	1329161	2701	56	0

TABLE No. 50 (Contd.)

LENGTH OF TRANSMISSION AND DISTRIBUTION LINES IN
STATE ELECTRICITY BOARDS - AS ON 31ST MARCH, 1992

		(Ckt.Kms.)		
REGION	Name of the Board	3.3/2.2 KV		Distribution lines upto 500 Volts.
		(O.H.)	(U.G.)	
NORTHERN REGION	Haryana	0	0	98958
	Himachal Pradesh (R)	(*)	52	39339
	Jammu & Kashmir (R)	0	0	27770
	Punjab	0	0	134244
	Rajasthan	13	0	139061
	Uttar Pradesh	0	0	204520
	Sub-Total	13	52	643892
WESTERN REGION	Gujarat	0	0	147666 (a)
	Madhya Pradesh	49	0	298280
	Maharashtra	0	0	279824 (a)
	Sub-Total	49	0	725770
SOUTHERN REGION	Andhra Pradesh	0	0	311177 (A)
	Karnataka	0	0	275730 (B)
	Kerala	0	0	108420
	Tamil Nadu	0	0	342986
	Sub-Total	0	0	1038313
EASTERN REGION	Bihar	0	0	89207
	Orissa (R)	0	0	45865
	West Bengal (R)	0	0	63136
	Sub-Total	0	0	198208
NORTH EASTERN REGION	Assam (R)	0	0	24440
	Meghalaya	15	0	3972
	Sub-Total	15	0	28412
	Total (All Boards)	77	52	2634595

(a) Includes lines length of 3.3 & 6.6 KV also since break-up of this is not available.

(*) Included in U.G. Category

Note: In certain cases, 1991-92 figures may not be consistent with the last year figures because of estimation of data due to improper reporting or revision of data by Elec. Boards.

TABLE No. 51

NUMBER OF TRANSFORMERS AND THEIR AGGREGATE CAPACITY
(UTILITIES ONLY) REGIONWISE/STATEWISE AS ON 31.3.1992.

Name of the State / U.T.s	STEP UP		STEP DOWN	
	Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity (KVA)
NORTHERN REGION				
Haryana	14	1085000	718	9206870
Himachal Pradesh	64	364684	232 (R)	1201218 (R)
Jammu & Kashmir (R)	58	341000	116	609950
Punjab	91	5879541	472	16464000
Rajasthan	20	1261250	1759	8928875
Uttar Pradesh	81	5850000	1163 (R)	24172515 (R)
Chandigarh (R)	2	1500	18	19500
Delhi	16	885000	312	8307000
Central Sector	63	8782730	93	4593585
Sub-Total	409	24450705	4883	73503513
WESTERN REGION				
Gujarat	75	5833130	1036	20291500
Madhya Pradesh	47	4219693	2186	20129400
Maharashtra	91	10081475	1084	32030000
Goa (R)	0	0	39	172650
Daman & Diu	0	0	6	40000
D.&N. Haveli	0	0	6	55000
Central Sector	21	4594000	10	976500
Sub-Total	234	24728298	4367	73695050
SOUTHERN REGION				
Andhra Pradesh	117	4690480	1848	13283410
Karnataka	75	3501900	826	9119700
Kerala	57	1716975	311	5002200
Tamil Nadu	157	4432839	1082	13847000
Lakshadweep	10	2310	0	0
Pondicherry	0	0	21	384300
Central Sector	33	5835000	93	6497000
Sub-Total	449	20179504	4181	48133610
EASTERN REGION				
Bihar	27	2391000	967	6719100
Orissa	57	2420600	754	4157480
West Bengal	94	2526879	602	6057018
D.V.C.	25	2475000	66 (R)	3122200 (R)
A.&N. Islands (R)	24	10918	0	0
Sikkim	28	26600	11	35500
Central Sector	4	970000	33	3514000
Sub-Total	259	10820997	2433	23605298
NORTH EASTERN REGION				
Assam (R)	46	509207	204	1424560
Manipur	13	8950	35	152050
Meghalaya	13	164100	65	197900
Nagaland (R)	7	3600	50	87500
Tripura (R)	11	64140	47	147670
Arunachal Pradesh (R)	26	11325	2	1130
Mizoram	24	8750	11	20100
Central Sector	17	296700	5	25000
Sub-Total	157	1066772	419	2055910
Total (All India)	1508	81246276	16283	220993381

TABLE No. 51 (Contd.)

REGION	Name of the State / U.T.s	D I S T R I B U T I O N	
		Number	Aggregate Capacity (KVA)
NORTHERN REGION	Haryana	74600	5106146
	Himachal Pradesh (R)	7100	461904
	Jammu & Kashmir (R)	4773	798517
	Punjab	99606	7191708
	Rajasthan	80281	4974617
	Uttar Pradesh	230182	12128754
	Chandigarh (R)	787	242150
	Delhi	6297	3482065
	Central Sector	152	183770
	Sub-Total	503778	34569631
WESTERN REGION	Gujarat	112867	9283236
	Madhya Pradesh	134143	8050617
	Maharashtra	107054	10682376
	Goa (R)	470	32959
	Daman & Diu	121	17691
	D.&N. Haveli	214	19556
	Central Sector	9	6750
	Sub-Total	354878	28093185
SOUTHERN REGION	Andhra Pradesh	104955	7870811
	Karnataka	80269	5218659
	Kerala	19336	2325880
	Tamil Nadu	91844	9891372
	Lakshadweep	30	2307
	Pondicherry	946	140213
	Central Sector	182	179005
	Sub-Total	297562	25628247
EASTERN REGION	Bihar	44587	3353565
	Orissa	21203	1392262
	West Bengal	23685	2128284
	D.V.C. (R)	136	103100
	A.&N. Islands (R)	228	22793
	Sikkim	1080	44065
	Central Sector	43	54760
	Sub-Total	90962	7098829
NORTH EASTERN REGION	Assam	11535	1038115
	Manipur	1513	121853
	Meghalaya	2011	136175
	Nagaland (R)	1021	55882
	Tripura (R)	1760	98633
	Arunachal Pradesh (R)	367	31670
	Mizoram	677	141000
	Central Sector	0	0
	Sub-Total	18884	1623328
	Total (All India)	1266064	97013220

TABLE No. 52

NUMBER OF TRANSFORMERS AND THEIR AGGREGATE CAPACITY
IN STATE ELECTRICITY BOARDS AS ON 31ST MARCH, 1992

REGION	Name of the Electricity Board	STEP UP		STEP DOWN	
		Number	Aggregate Capacity (KVA)	Number	Aggregate Capacity (KVA)
NORTHERN REGION	Haryana	14	1085000	718	9206870
	Himachal Pradesh	64	364684	232 (R)	1201218 (R)
	Jammu & Kashmir (R)	58	341000	116	609950
	Punjab	45	2367541	399	11902000
	Rajasthan	20	1261250	1759	8928875
	Uttar Pradesh	81	5850000	1163 (R)	24172515 (R)
	Sub-Total	282	11269475	4387	56021428
WESTERN REGION	Gujarat	39	4913000	968	19061500
	Madhya Pradesh	45	4039693	2185	20109400
	Maharashtra	72	8175475	832	24412400
	Sub-Total	156	17128168	3985	63583300
SOUTHERN REGION	Andhra Pradesh (R)	89	4432500	1837	13244910
	Karnataka	46	305000	816	8817700
	Kerala	57	1716975	309	4982200
	Tamil Nadu	157	4432839	1082	13847000
	Sub-Total	349	10887314	4044	40891810
EASTERN REGION	Bihar	27	2391000	967	6719100
	Orissa	50	1862600	751	4134480
	West Bengal (R)	72	1267379	436	3291518
	Sub-Total	149	5520979	2154	14145098
NORTH EASTERN REGION	Assam (R)	46	509207	204	1424560
	Meghalaya	21	341100	65	197900
	Sub-Total	67	850307	269	1622460
	Total (All Boards)	1003	45656243	14839	176264096

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

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

TABLE No. 52 (Contd.)

REGION	Name of the Board	D I S T R I B U T I O N	
		Number	Aggregate Capacity (KVA)
NORTHERN REGION	Haryana	74600	5106146
	Himachal Pradesh (R)	7100	461904
	Jammu & Kashmir (R)	4672	791240
	Punjab	99309	7061604
	Rajasthan	79963	4954051
	Uttar Pradesh	228353	12060000
	Sub-Total	493997	30434945
WESTERN REGION	Gujarat	110274	8402956
	Madhya Pradesh	128957	7775022
	Maharashtra (R)	101725	8495361
	Sub-Total	340956	24673339
SOUTHERN REGION	Andhra Pradesh	101376	7601986
	Karnataka	79665	5154014
	Kerala	19154	2293523
	Tamil Nadu	90172	9683900
	Sub-Total	290367	24733323
EASTERN REGION	Bihar	44183	3317143
	Orissa (R)	20970	1371891
	West Bengal (R)	20481	1176007
	Sub-Total	85634	5865041
NORTH EASTERN REGION	Assam (R)	11535	1038115
	Meghalaya	2011	136175
	Sub-Total	13546	1174290
	Total (All Boards)	1224500	86880938

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

UTILISATION

I. Energy Consumption

Electricity consumption by various categories of consumers served by utilities during the year under review was 207644.70 Gwh registering an increase of 9.08% over previous year.

As in the preceding year, the major portion of electricity viz. 1,93,144.34 Gwh representing 93.02% of the total energy consumption was distributed by the Public Sector and remaining 6.98% was distributed by the private sector. Out of 93.02% of energy distributed by the Public Sector, 84.88% was supplied by the 18 State Electricity Boards and balance 8.14% was supplied by the Municipalities and Electricity Departments of the States and Union Territories. Out of 6.98% of energy distributed by the whole Private Sector (including Co-operative Societies), the three major private licensees viz. Tata Electric Companies, Calcutta Electric Supply Corporation and Ahmedabad Electricity Supply Company distributed 1.19 %, 1.89% and 1.04% of total energy to its consumers respectively. The details of energy sold by various agencies during 1991-92 are tabulated below:-

Sl. Agency No.	Energy sold to ultimate consumers.		
	Quantum (GWH)	% to total Consumption	% increase over 1990-91
1. State Elec. Boards	176242.43	84.88	9.58
2. Elec. Deptts. of States & Union Territories.	7097.72	3.42	9.40
3. Municipalities (including D.E.S.U.)	9804.19	4.72	9.66
4. Private Licensees (including Co-op.)	14500.36	6.98	2.91
Total	207644.70	100.00	9.08

As regards the energy consumed by various classes of consumers, the industrial category of consumers, as usual consumed highest energy i.e. 42.04% of total energy sold by Public Utilities as compared to 44.24% during 1990-91. The energy sales to industrial consumers registered an increase of 3.66% over the previous year.

Agricultural consumers remained the second largest category amongst the consumers of electricity consuming 28.20% of total energy sales as compared to 26.44% during the previous year. Percentage increase in consumption of energy by this Sector was 16.37% over the previous year.

II. Per Capita Consumption.

The per capita consumption of electricity in the country was 269.98 Kwh during 1991-92 as compared to 252.77 Kwh during 1990-91. Western Region had the maximum per capita consumption of 391.33 Kwh followed by Southern, Northern, Eastern and North Eastern Regions with figures of 291.88, 266.53, 159.10 and 93.20 Kwh respectively.

Amongst the States, Punjab with per capita consumption of 622.40 Kwh was at the top followed by Gujarat, Haryana and Maharashtra having per capita consumption of 507.38, 460.15 and 431.84 Kwh respectively. However, Union Territory of Dadra & Nagar Haveli had the highest per capita consumption of electricity of 1049.64 Kwh in the country during the year followed by Daman & Diu 785.90 Kwh.

III. Electrical Accidents

To the extent the information was made available, during the year 1991-92, total number of electrical accidents reported was 5370 which comprised of 2033 fatal, 1718 non-fatal accidents to human and 1603 fatal and 16 non-fatal accidents to animals. Corresponding figures for the year 1990-91 were 2463 fatal, 2425 non-fatal accidents to human and 1846 fatal and 8 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.

TABLE No. 53

ALL INDIA ENERGY SALES (UTILITIES ONLY) DURING 1991-92

(GWH)

Category	Energy sold during 1991-92	% to total Sales in 1991-92	Energy sold during 1990-91	% to total Sales in 1990-91	% increase in sale over previous year 1990-91
Domestic	35853.70	17.27	31982.37	16.80	12.10
Commercial	12031.61	5.79	11180.99	5.87	7.61
Industrial Power	87288.57	42.04	84208.96	44.24	3.66
Public Lighting	1765.89	0.85	1648.12	0.87	7.15
Railways/ Tramways	4519.56	2.18	4112.38	2.16	9.90
Agriculture	58557.17	28.20	50321.40	26.44	16.37
Public Water Works & Sewage Pumping	4448.71	2.14	3642.52	1.91	22.13
Misc.	3179.49	1.53	3260.65	1.71	-2.49
Total	207644.70	100.00	190357.39	100.00	9.08

TABLE No.54
ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
OWNERSHIPWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1991-92

Region	State/Uts	Total Energy Sold (GWH)	P U B L I C S E C T O R	
			State Electricity Boards (GWH)	% to total
NORTHERN REGION	Haryana	7138.81	7138.81	100.00
	Himachal Pradesh	1078.02	1022.02	94.81
	Jammu & Kashmir	1479.50	1439.00	97.26
	Punjab	12523.16	12071.38	96.40
	Rajasthan	9727.54	9551.50	98.19
	Uttar Pradesh	20896.34	20781.00	99.45
	Chandigarh	442.96	0.00	0.00
	Delhi	7040.89	0.00	0.00
	Sub-Total	60326.22	52003.71	86.20
WESTERN REGION	Gujarat	18933.84	15851.14	83.72
	Madhya Pradesh	15024.07	14775.11	98.34
	Maharashtra	33354.22	25066.53	75.15
	Goa	529.51	0.00	0.00
	Daman & Diu	78.59	0.00	0.00
	D.&N. Haveli	146.95	0.00	0.00
	Sub-Total	68067.18	55692.78	81.82
SOUTHERN REGION	Andhra Pradesh	17937.15	17357.88	96.77
	Karnataka	12533.82	12481.74	99.58
	Kerala	5538.88	5476.00	98.86
	Tamil Nadu	17691.13	16492.00	93.22
	Pondicherry	611.92	0.00	0.00
	Lakshadweep	8.62	0.00	0.00
	Sub-Total	54321.52	51807.62	95.37
EASTERN REGION	Bihar	7569.17	5273.14	69.67
	Orissa	5618.55	5597.88	99.63
	West Bengal	9364.00	4112.09	43.91
	A.&N. Islands	39.42	0.00	0.00
	Sikkim	49.19	0.00	0.00
	Sub-Total	22640.33	14983.11	66.18
NORTH EASTERN REGION	Assam	1537.54	1537.54	100.00
	Manipur	198.21	0.00	0.00
	Meghalaya	223.77	217.67	97.27
	Nagaland	92.78	0.00	0.00
	Tripura	138.76	0.00	0.00
	Arunachal Pradesh	49.80	0.00	0.00
	Mizoram	48.59	0.00	0.00
Sub-Total	2289.45	1755.21	76.67	
	Total (All India)	207644.70	176242.43	84.88

TABLE NO. 54 (Contd.)

		P U B L I C S E C T O R			
Region	State/Uts	Municipalities		Govt. Deptts./Govt. Undertakings/Corporations	
		(GWH)	%age to Total	(GWH)	%age to Total
NORTHERN REGION	Haryana	0.00	0.00	0.00	0.00
	Himachal Pradesh	0.00	0.00	56.00	5.19
	Jammu & Kashmir	0.00	0.00	19.00	1.28
	Punjab	263.48	2.10	187.30	1.50
	Rajasthan	0.00	0.00	121.04	1.24
	Uttar Pradesh	0.00	0.00	30.87	0.15
	Chandigarh	0.00	0.00	442.96	100.00
	Delhi	6921.41	98.30	119.48	1.70
	Sub-total	7184.89	11.91	976.65	1.62
WESTERN REGION	Gujarat	0.00	0.00	0.00	0.00
	Madhya Pradesh	0.00	0.00	53.00	0.35
	Maharashtra	2247.98	6.74	0.00	0.00
	Goa	0.00	0.00	529.51	100.00
	Daman & Diu	0.00	0.00	78.59	100.00
	D. & N. Haveli	0.00	0.00	146.95	100.00
	Sub-total	2247.98	3.30	808.05	1.19
SOUTHERN REGION	Andhra Pradesh	0.00	0.00	280.95	1.57
	Karnataka	0.00	0.00	0.00	0.00
	Kerala	33.73	0.61	0.00	0.00
	Tamil Nadu	337.59	1.91	755.36	4.27
	Pondicherry	0.00	0.00	611.92	100.00
	Lakshadweep	0.00	0.00	8.62	100.00
	Sub-total	371.32	0.68	1656.85	3.05
EASTERN REGION	Bihar	0.00	0.00	2243.53	29.64
	Orissa	0.00	0.00	0.00	0.00
	West Bengal	0.00	0.00	789.79	8.43
	A. & N. Islands	0.00	0.00	39.42	100.00
	Sikkim	0.00	0.00	49.19	100.00
	Sub-total	0.00	0.00	3121.93	13.79
NORTH EASTERN REGION	Assam	0.00	0.00	0.00	0.00
	Manipur	0.00	0.00	198.21	100.00
	Meghalaya	0.00	0.00	6.10	2.73
	Nagaland	0.00	0.00	92.78	100.00
	Tripura	0.00	0.00	138.76	100.00
	Arunachal Pradesh	0.00	0.00	49.80	100.00
	Mizoram	0.00	0.00	48.59	100.00
	Sub-total	0.00	0.00	534.24	23.33
	TOTAL (ALL INDIA)	9804.19	4.72	7097.72	3.42

TABLE NO. 54 (Contd.)

Region	STATE/U.Ts	PRIVATE SECTOR COMPANY	
		GWH	% to Total
NORTHERN REGION	Haryana	0.00	0.00
	Himachal Pradesh	0.00	0.00
	Jammu & Kashmir	21.50	1.45
	Punjab	0.00	0.00
	Rajasthan	55.00	0.57
	Uttar Pradesh	84.47	0.40
	Chandigarh	0.00	0.00
	Delhi	0.00	0.00
	Sub-total	160.97	0.27
WESTERN REGION	Gujarat	3082.70	16.28
	Madhya Pradesh	195.96	1.30
	Maharashtra	6039.71	18.11
	Goa	0.00	0.00
	Daman & Diu	0.00	0.00
	D. & N. Haveli	0.00	0.00
	Sub-total	9318.37	13.69
SOUTHERN REGION	Andhra Pradesh	298.32	1.66
	Karnataka	52.08	0.42
	Kerala	29.15	0.53
	Tamil Nadu	106.18	0.60
	Pondicherry	0.00	0.00
	Lakshadweep	0.00	0.00
	Sub-total	485.73	0.89
EASTERN REGION	Bihar	52.50	0.69
	Orissa	20.67	0.37
	West Bengal	4462.12	47.65
	A. & N. Islands	0.00	0.00
	Sikkim	0.00	0.00
	Sub-total	4535.29	20.03
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)	14500.36	6.98

TABLE No.55
ENERGY SALES TO ULTIMATE CONSUMERS (UTILITIES ONLY)
CATEGORYWISE/REGIONWISE/STATEWISE
DURING THE YEAR 1991-92

REGION	STATE/U.Ts.	Total Energy Sold	Domestic	Commercial
NORTHERN REGION	Haryana	7138.81	1291.76	204.15
	Himachal Pradesh	1078.02	284.10	83.71
	Jammu & Kashmir	1479.50	385.70	239.72
	Punjab	12522.16	1681.96	357.31
	Rajasthan	9727.54	1058.38	459.70
	Uttar Pradesh	20896.34	4103.22	1422.11
	Chandigarh	442.96	150.87	70.47
	Delhi	7040.89	3038.76	1355.56
	Sub-Total	60326.22	11994.75	4192.73
WESTERN REGION	Gujarat	18933.84	2109.21	718.50
	Madhya Pradesh	15024.07	2707.88	512.97
	Maharashtra	33354.22	5571.35	2220.49
	Goa	529.51	139.97	40.72
	Daman & Diu	78.59	8.25	4.37
	D.&N. Haveli	146.95	4.45	2.29
	Sub-Total	68067.18	10541.11	3499.34
SOUTHERN REGION	Andhra Pradesh	17937.15	2519.46	560.66
	Karnataka	12533.82	1936.34	281.29
	Kerala	5538.88	1710.67	578.19
	Tamil Nadu	17691.13	2961.45	1172.45
	Pondicherry	611.92	64.12	20.06
	Lakshadweep	8.62	5.78	1.92
	Sub-Total	54321.52	9197.82	2614.57
EASTERN REGION	Bihar	* 7569.17	457.28	276.45
	Orissa	5618.55	979.50	213.66
	West Bengal	* 9364.00	2148.73	982.11
	A.&N. Islands	39.42	16.19	11.33
	Sikkim	49.19	22.82	9.97
	Sub-Total	22640.33	3624.52	1493.52
NORTH EASTERN REGION	Assam	1537.54	243.20	148.20
	Manipur	198.21	85.23	13.87
	Meghalaya	223.77	45.09	34.94
	Nagaland	92.78	31.16	8.18
	Tripura	138.76	38.88	16.66
	Arunachal Pradesh	49.80	18.34	6.75
	Mizoram	48.59	33.60	2.85
	Sub-Total	2289.45	495.50	231.45
	Total (All India)	207644.70	35859.70	12031.61

Note: - * - Includes DVCs sales to ultimate consumers in Bihar & West Bengal areas.

TABLE No.55 (Contd.)

		(GWH)			
REGION	STATE/U.Ts.	Industrial Power (Low & Medium Voltage)	Industrial Power (High Voltage)	Public Lighting	Traction
NORTHERN REGION	Haryana	500.32	1267.25	27.76	0.00
	Himachal Pradesh	581.98	(A)	3.22	0.00
	Jammu & Kashmir	370.46	(A)	43.52	0.00
	Punjab	1235.14	3387.06 (B)	28.20	0.00
	Rajasthan	893.85	3429.83	50.03	149.38
	Uttar Pradesh	2337.81	3520.68	209.03	680.00
	Chandigarh	63.22	126.94	13.22	0.00
	Delhi	1502.57	610.00	145.00	0.00
	Sub-Total	7485.35	12341.76	519.98	829.38
WESTERN REGION	Gujarat	2390.83	5961.68	104.05	274.04
	Madhya Pradesh	749.81	6622.96	90.16	564.23
	Maharashtra	2150.82	12508.65	314.11	929.62
	Goa	31.81	256.84	9.39	0.00
	Daman & Diu	15.73	47.57	0.87	0.00
	D.&N. Haveli	10.42	128.34	0.48	0.00
	Sub-Total	5349.42	25526.04	519.06	1767.89
SOUTHERN REGION	Andhra Pradesh	984.17	5540.33	144.09	378.60
	Karnataka	804.50	4729.94	151.36	0.00
	Kerala	395.98	2428.15	114.61	0.00
	Tamil Nadu	1623.45	6208.67	144.66	228.00
	Pondicherry	29.50	396.53	5.56	0.00
	Lakshadweep	0.42	0.00	0.50	0.00
	Sub-Total	3838.02	19303.62	560.78	606.60
EASTERN REGION	Bihar	\$ 221.42	4259.61	23.21	532.72
	Orissa	570.60	2779.81	23.84	204.51
	West Bengal	\$ 861.26	3745.80	75.00	578.46
	A.&N. Islands	4.64	0.00	1.65	0.00
	Sikkim	8.58	0.00	7.82	0.00
	Sub-Total	1666.50	10785.22	131.52	1315.69
NORTH EASTERN REGION	Assam	439.52 (D)	365.97	5.92	0.00
	Manipur	17.84	23.79	7.93	0.00
	Meghalaya	77.50	(A)	3.11	0.00
	Nagaland	6.33	22.60	1.86	0.00
	Tripura	33.23	0.00	4.16	0.00
	Arunachal Pradesh	1.61	3.10	7.73	0.00
	Mizoram	1.15	0.00	3.84	0.00
	Sub-Total	577.18	415.46	34.55	0.00
Total (All India)		18916.47	68372.10	1765.89	4519.56

Note: - \$ Note: - (A)-Included in industrial (Low and Medium Voltage).
 (B)-Includes 148.51 Gwh sales to Nangal Fertilizers by BBMB.
 (D)-Includes 204.91 Gwh sold to tea gardens.

TABLE No.55 (Contd.)

		(GWH)		
REGION	STATE/U.Ts.	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous
NORTHERN REGION	Haryana	3535.49	97.23	214.85
	Himachal Pradesh	29.80	(A)	95.21
	Jammu & Kashmir	150.32	148.78	141.00
	Punjab	5543.18	9.67 (C)	279.64
	Rajasthan	2985.41	442.61	258.35
	Uttar Pradesh	8229.49	394.00	0.00
	Chandigarh	1.68	(A)	16.56
	Delhi	45.00	237.00	107.00
	Sub-Total	20520.37	1329.29	1112.61
WESTERN REGION	Gujarat	5976.58	328.15	70.80
	Madhya Pradesh	3405.74	359.41	10.91
	Maharashtra	8406.46	915.87	336.85
	Goa	17.61	33.17	0.00
	Daman & Diu	1.33	0.47	0.00
	D.&N. Haveli	0.59	0.38	0.00
	Sub-Total	18808.31	1637.45	418.56
SOUTHERN REGION	Andhra Pradesh	7218.94	508.08	82.82
	Karnataka	4558.63	61.78	9.98
	Kerala	224.13	84.00	3.15
	Tamil Nadu	4509.84	259.59	583.02
	Pondicherry	84.49	7.47	4.19
	Lakshadweep	0.00	0.00	0.00
	Sub-Total	16596.03	920.92	683.16
EASTERN REGION	Bihar	\$ 1644.11	125.36	29.01
	Orissa	271.49	111.96	463.18
	West Bengal	\$ 651.86	239.82	80.96
	A.&N. Islands	0.00	0.29	5.32
	Sikkim	0.00	0.00	0.00
	Sub-Total	2567.46	477.43	578.47
NORTH EASTERN REGION	Assam (D)	35.92	31.25	267.56
	Manipur	3.96	5.95	39.64
	Meghalaya	1.50	15.53	46.10
	Nagaland	0.00	2.39	20.26
	Tripura	23.62	22.21	0.00
	Arunachal Pradesh	0.00	0.74	11.53
	Mizoram	0.00	5.55	1.60
	Sub-Total	65.00	83.62	386.69
	Total (All India)	58557.17	4448.71	3179.49

Note: - (C) -It does not include energy supplied by PSEB to Public Water Works consumers which has been included in Agricultural category.

Miscellaneous:- Includes supply to non traction, non-industrial M.E.S. Irrigation Board, Projects under construction etc.

TABLE No.56

ENERGY SALES BY STATE ELECTRICITY BOARDS
CATEGORYWISE/REGIONWISE DURING 1991-92

(GWH)

REGION	ELECTRICITY BOARD	Total Energy sold to Ultimate Consumers	Domestic	Commercial
NORTHERN REGION	Haryana	7138.81	1291.76	204.15
	Himachal Pradesh	1022.02	253.10	83.71
	Jammu & Kashmir	1439.00	362.20	237.72
	Punjab	12071.38	1575.49	321.36
	Rajasthan	9551.50	1049.38	454.70
	Uttar Pradesh	20781.00	4051.00	1420.00
	Sub-Total	52003.71	8582.93	2721.64
WESTERN REGION	Gujarat	15851.14	1502.83	385.58
	Madhya Pradesh	14775.11	2608.95	505.69
	Maharashtra	25066.53	3148.27	750.03
	Sub-Total	55692.78	7260.05	1641.30
SOUTHERN REGION	Andhra Pradesh	17357.88	2437.99	552.98
	Karnataka	12481.74	1928.94	280.35
	Kerala	5476.00	1693.00	566.00
	Tamil Nadu	16492.00	2784.00	1071.00
	Sub-Total	51807.62	8843.93	2470.33
EASTERN REGION	Bihar (A)	5273.14	449.28	272.38
	Orissa	5597.88	971.07	212.71
	West Bengal (A)	4112.09	814.00	310.00
	Sub-Total	14983.11	2234.35	795.09
NORTH EASTERN REGION	Assam	1537.54	243.20	148.20
	Meghalaya	217.67	38.99	34.94
	Sub-Total	1755.21	282.19	183.14
Total (All India)		176242.43	27203.45	7811.50

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

TABLE No.56 (Contd.)

		(GWH)		
REGION	ELECTRICITY BOARD	Industrial (Low & Medium Voltage)	Industrial (High Voltage)	Public Lighting
NORTHERN REGION	Haryana	500.32	1267.25	27.76
	Himachal Pradesh	581.98	(B)	3.22
	Jammu & Kashmir	367.96	(B)	43.02
	Punjab	1176.87	3203.25	25.58
	Rajasthan	886.85	3308.79	46.03
	Uttar Pradesh	2329.00	3504.00	209.00
Sub-Total		5842.98	11283.29	354.61
WESTERN REGION	Gujarat	1525.57	4907.80	79.65
	Madhya Pradesh	731.78	6622.96	88.13
	Maharashtra	1422.45	9746.43	237.53
Sub-Total		3679.80	21277.19	405.31
SOUTHERN REGION	Andhra Pradesh	963.30	5287.46	140.07
	Karnataka	799.61	4727.31	150.57
	Kerala	391.00	2407.00	111.00
	Tamil Nadu	1565.00	5428.00	132.00
Sub-Total		3718.91	17849.77	533.64
EASTERN REGION	Bihar	213.42	2245.86	22.71
	Orissa	561.12	2779.81	23.77
	West Bengal	369.00	1469.61	24.00
Sub-Total		1143.54	6495.28	70.48
NORTH EASTERN REGION	Assam	439.52 (C)	365.97	5.92
	Meghalaya	77.50	(B)	3.11
Sub-Total		517.02	365.97	9.03
Total (All India)		14902.25	57271.50	1373.07

Note: - (B)-Included in Industrial(Low & Medium) voltage.
(C)- Includes 204.91 GWH sales to tea gardens.

Contd.....

TABLE No.56 (Contd.)

		(GWH)			
REGION	ELECTRICITY BOARD	Traction	Agriculture	Public Water Works	Miscellaneous
NORTHERN REGION	Haryana	0.00	3535.49	97.23	214.85
	Himachal Pradesh	0.00	29.80	(B)	70.21
	Jammu & Kashmir	0.00	148.32	143.78	136.00
	Punjab	0.00	5542.86	(D)	225.97
	Rajasthan	149.38	2957.41	440.61	258.35
	Uttar Pradesh	680.00	8194.00	394.00	0.00
	Sub-Total	829.38	20407.88	1075.62	905.38
WESTERN REGION	Gujarat	274.04	6959.71	215.96	0.00
	Madhya Pradesh	564.23	3296.86	356.51	0.00
	Maharashtra	361.62	8177.08	886.43	336.69
	Sub-Total	1199.89	18433.65	1458.90	336.69
SOUTHERN REGION	Andhra Pradesh	378.60	7007.28	508.08	82.12
	Karnataka	0.00	4523.21	61.78	9.97
	Kerala	0.00	224.00	84.00	0.00
	Tamil Nadu	228.00	4448.00	255.00	581.00
	Sub-Total	606.60	16202.49	908.86	673.09
EASTERN REGION	Bihar	327.02	1617.11	125.36	0.00
	Orissa	204.51	269.75	111.96	463.18
	West Bengal	426.01	651.00	48.47	0.00
	Sub-Total	957.54	2537.86	285.79	463.18
NORTH EASTERN REGION	Assam	0.00	35.92	31.25	267.56
	Meghalaya	0.00	1.50	15.53	46.10
	Sub-Total	0.00	37.42	46.78	313.66
	Total (All India)	3593.41	57619.30	3775.95	2692.00

Note: - (D)-Included in Agriculture category.

Miscellaneous: Includes supply to non-traction, non-industrial, MES, Irrigation Board, Projects under construction, etc.

TABLE No.57

ENERGY SALES BY PRIVATE LICENSEES
CATEGORYWISE-REGIONWISE/STATEWISE DURING 1991-92

(GWH)

REGION	STATE/UTs	Total energy sold to ultimate consumers	Domestic	Commercial
NORTHERN REGION	Jammu & Kashmir	21.50	4.50	2.00
	Rajasthan	55.00	9.00	5.00
	Uttar Pradesh	84.47	21.35	2.11
	Sub-Total	160.97	34.85	9.11
WESTERN REGION	Gujarat	3082.70	606.38	332.92
	Madhya Pradesh	195.96	48.93	7.28
	Maharashtra	6039.71	1539.12	508.60
	Sub-Total	9318.37	2194.43	848.80
SOUTHERN REGION	Andhra Pradesh	298.32	53.39	7.68
	Karnataka	52.08	7.40	0.94
	Kerala	29.15	5.25	0.71
	Tamil Nadu	106.18	23.77	4.96
	Sub-Total	485.73	89.81	14.29
EASTERN REGION	Bihar	52.50	8.00	4.00
	Orissa	20.67	8.43	0.95
	West Bengal	4462.12	1303.73	670.04
	Sub-Total	4535.29	1320.16	674.99
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)		14500.36	3639.25	1547.19

TABLE No.57 (Contd.)

		(GWH)			
REGION	STATE/UTs	Industrial Power (Low & Medium voltage)	Industrial Power (High voltage)	Public Lighting	Traction
NORTHERN REGION	Jammu & Kashmir	2.50	0.00	0.50	0.00
	Rajasthan	7.00	0.00	4.00	0.00
	Uttar Pradesh	8.81	16.68	0.03	0.00
	Sub-Total	18.31	16.68	4.53	0.00
WESTERN REGION	Gujarat	865.26	1053.88	24.40	0.00
	Madhya Pradesh	18.03	0.00	2.03	0.00
	Maharashtra	555.50	2583.59	45.89	568.00
	Sub-Total	1438.79	3637.47	72.32	568.00
SOUTHERN REGION	Andhra Pradesh	20.87	0.00	4.02	0.00
	Karnataka	4.89	2.63	0.79	0.00
	Kerala	1.40	19.59	0.05	0.00
	Tamil Nadu	7.06	5.53	2.40	0.00
	Sub-Total	34.22	27.75	7.26	0.00
EASTERN REGION	Bihar	8.00	5.00	0.50	0.00
	Orissa	9.48	0.00	0.07	0.00
	West Bengal	489.26	1644.42	50.00	45.00
	Sub-Total	506.74	1649.42	50.57	45.00
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)	1998.06	5331.32	134.68	613.00

TABLE No.57 (Contd.)

		(GWH)		
REGION	STATE/UTs	Agricultural	Public Water Works & Sewage Pumping	Miscell- aneous
NORTHERN REGION	Jammu & Kashmir	2.00	5.00	5.00
	Rajasthan	28.00	2.00	0.00
	Uttar Pradesh	35.49	0.00	0.00
	Sub-Total	65.49	7.00	5.00
WESTERN REGION	Gujarat	16.87	112.19	70.80
	Madhya Pradesh	108.88	2.90	7.91
	Maharashtra	229.38	9.47	0.16
	Sub-Total	355.13	124.56	78.87
SOUTHERN REGION	Andhra Pradesh	211.66	0.00	0.70
	Karnataka	35.42	0.00	0.01
	Kerala	0.00	0.00	2.15
	Tamil Nadu	59.93	1.20	1.33
	Sub-Total	307.01	1.20	4.19
EASTERN REGION	Bihar	27.00	0.00	0.00
	Orissa	1.74	0.00	0.00
	West Bengal	0.86	178.35	80.46
	Sub-Total	29.60	178.35	80.46
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)	757.23	311.11	168.52

TABLE No. 58

ENERGY SALES TO ULTIMATE CONSUMERS BY ELECTRICITY DEPARTMENTS,
CENTRAL SECTOR, CORPORATIONS/GOVT. UNDERTAKINGS AND MUNICIPALITIES
CATEGORYWISE/REGIONWISE/STATEWISE DURING 1991-92

(GWH)

Region	State/U.Ts	Total Energy Sold	Domestic	Commercial
I. MUNICIPALITIES				
NORTHERN REGION	Punjab	263.48	106.47	35.95
	D.E.S.U.	6290.00	2900.00	1098.00
	N.D.M.C.	631.41	126.28	257.56
WESTERN REGION	Maharashtra	2247.98	883.96	961.86
SOUTHERN REGION	Kerala	33.73	12.42	11.48
	Tamil Nadu	337.59	153.68	96.49
Sub-Total		9804.19	4182.81	2461.34
II. GOVT. DEPTT./CENTRAL SECTOR UNDERTAKINGS/CORPORATION				
NORTHERN REGION	Delhi (M.E.S.)	107.00	0.00	0.00
	Punjab (B.B.M.B.)	187.30	0.00	0.00
	H.P. (Bairasiul)	56.00	31.00	0.00
	Rajasthan (R.A.P.P.)	121.04	0.00	0.00
	Chandigarh	442.96	150.87	70.47
	Delhi (B.T.P.S.)	12.48	12.48	0.00
	U.P. (S.S.T.P.S.+R.S.T.P.S.)	30.87	30.87	0.00
	J.&K. (Salal)	19.00	19.00	0.00
WESTERN REGION	Goa	529.51	139.97	40.72
	Daman & Diu	78.59	8.25	4.37
	Dadra & Nagar Haveli	146.95	4.45	2.29
	M.P. (KSTPS+VSTPS)	53.00	50.00	0.00
SOUTHERN REGION	Andhra Pradesh (T.B. Dam, Hampi, Machkund+RSTPS+A.P. Gas Power Corp.)	280.95	28.08	0.00
	Pondicherry	611.92	64.12	20.06
	Lakshadweep	8.62	5.78	1.92
	Tamil Nadu (Neyveli-I&II+ M.A.P.P.)	755.36	0.00	0.00
EASTERN REGION	D.V.C. (in Bihar)	2243.53	0.00	0.07
	D.V.C. (In West Bengal)	554.29	0.00	0.07
	Sikkim	49.19	22.82	9.97
	West Bengal (D.P.L.)	223.50	19.00	2.00
	A & N Islands	39.42	16.19	11.33
	Farakka (West Bengal)	12.00	12.00	0.00
NORTH EASTERN REGION	Manipur	198.21	85.23	13.87
	Nagaland	92.78	31.16	8.18
	Tripura	138.76	38.88	16.66
	Arunachal Pradesh	49.80	18.34	6.75
	Mizoram	48.59	33.60	2.85
	Meghalaya (NEEPCO)	6.10	6.10	0.00
Sub-Total		7097.72	828.19	211.58
Total (I & II)		16901.91	5011.00	2672.92

TABLE No. 5B (Contd.)

		(GWH)			
Region	State/U.Ts	Industrial Power (Low & Medium Voltage)	Industrial Power (High Voltage)	Public Lighting	Traction
I. MUNICIPALITIES					
NORTHERN REGION	Punjab	58.27	35.30	2.62	0.00
	D.E.S.U.	1255.00	610.00	145.00	0.00
	N.D.M.C.	247.57	0.00	(B)	0.00
WESTERN REGION	Maharashtra	172.87	178.63	30.69	0.00
SOUTHERN REGION	Kerala	3.58	1.56	3.56	0.00
	Tamil Nadu	51.39	19.78	10.26	0.00
Sub-Total		1788.68	845.27	192.13	0.00
II. GOVT. DEPTT./CENTRAL SECTOR UNDERTAKINGS/CORPORATION					
NORTHERN REGION	Delhi (M.E.S.)	0.00	0.00	0.00	0.00
	Punjab (B.B.M.B.)	0.00	148.51	0.00	0.00
	H.P. (Bairasul)	0.00	0.00	0.00	0.00
	Rajasthan (R.A.P.P.)	0.00	121.04	0.00	0.00
	Chandigarh	63.22	126.94	13.22	0.00
	Delhi (B.T.P.S.)	0.00	0.00	0.00	0.00
	U.P. (S.S.T.P.S.+R.S.T.P.S.)	0.00	0.00	0.00	0.00
	J.&K. (Salal)	0.00	0.00	0.00	0.00
WESTERN REGION	Goa	31.81	256.84	9.39	0.00
	Daman & Diu	15.73	47.57	0.87	0.00
	Dadra & Nagar Haveli	10.42	128.34	0.48	0.00
	M.P. (KSTPS+VSTPS)	0.00	0.00	0.00	0.00
SOUTHERN REGION	Andhra Pradesh (T.B. Dam, Hampi, Machkund+RSTPS+A.P. Gas Power Corp.)	0.00	252.87	0.00	0.00
	Pondicherry	29.50	396.53	5.56	0.00
	Lakshadweep	0.42	0.00	0.50	0.00
	Tamil Nadu (Neyveli-I&II+M.A.P.P.)	0.00	755.36	0.00	0.00
EASTERN REGION	D.V.C. (in Bihar)	0.00	2008.75	0.00	205.70
	D.V.C. (in West Bengal)	0.00	446.77	0.00	107.45
	Sikkim	8.58	0.00	7.82	0.00
	West Bengal (D.P.L.)	3.00	185.00	1.00	0.00
	A & N Islands	4.64	0.00	1.65	0.00
	Farakka (West Bengal)	0.00	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	17.84	23.79	7.93	0.00
	Nagaland	6.33	22.60	1.86	0.00
	Tripura	33.23	0.00	4.16	0.00
	Arunachal Pradesh	1.61	3.10	7.73	0.00
	Mizoram	1.15	0.00	3.84	0.00
	Meghalaya (NEEPCO)	0.00	0.00	0.00	0.00
Sub-Total		227.48	4924.01	66.01	313.15
Total (I & II)		2016.16	5769.28	258.14	313.15

TABLE No. 58 (Contd.)

		(GWH)		
Region	State/U.Ts	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous
I. MUNICIPALITIES				
NORTHERN REGION	Punjab	0.32	9.67	14.88
	D.E.S.U.	45.00	237.00	0.00
	N.D.M.C.	0.00	0.00	0.00
WESTERN REGION	Maharashtra	0.00	19.97	0.00
SOUTHERN REGION	Kerala	0.13	0.00	1.00
	Tamil Nadu	1.91	3.39	0.69
Sub-Total		47.36	270.03	16.57
II. GOVT. DEPTT./CENTRAL SECTOR UNDERTAKINGS/CORPORATION				
NORTHERN REGION	Delhi (M.E.S.)	0.00	0.00	107.00
	Punjab (B.B.M.B.)	0.00	0.00	38.79
	H.P. (Bairasiul)	0.00	0.00	25.00
	Rajasthan (R.A.P.P.)	0.00	0.00	0.00
	Chandigarh	1.68	(A)	16.56
	Delhi (B.T.P.S.)	0.00	0.00	0.00
	U.P. (S.S.T.P.S.+R.S.T.P.S.)	0.00	0.00	0.00
J.&K. (Salal)	0.00	0.00	0.00	
WESTERN REGION	Goa	17.61	33.17	0.00
	Daman & Diu	1.33	0.47	0.00
	Dadra & Nagar Haveli	0.59	0.38	0.00
	M.P. (KSTPS+VSTPS)	0.00	0.00	3.00
SOUTHERN REGION	Andhra Pradesh (T.B. Dam & Hampi + Machkund+RSTPS+A.P. Gas Power Corp.)	0.00	0.00	0.00
	Pondicherry	84.49	7.47	4.19
	Lakshadweep	0.00	0.00	0.00
	Tamil Nadu (Neyveli-I&II+M.A.P.P.)	0.00	0.00	0.00
EASTERN REGION	D.V.C. (in Bihar)	0.00	0.00	29.01
	D.V.C. (in West Bengal)	0.00	0.00	0.00
	Sikkim	0.00	0.00	0.00
	West Bengal (D.P.L.)	0.00	13.00	0.50
	A & N Islands	0.00	0.29	5.32
	Farakka (West Bengal)	0.00	0.00	0.00
NORTH EASTERN REGION	Manipur	3.96	5.95	39.64
	Nagaland	0.00	2.39	20.26
	Tripura	23.62	22.21	0.00
	Arunachal Pradesh	0.00	0.74	11.53
	Mizoram	0.00	5.55	1.60
	Meghalaya (NEEPCO)	0.00	0.00	0.00
Sub-Total		133.28	91.62	302.40
Total (I & II)		180.64	361.65	318.97

(A) Included in Industrial LV & MV category.

TABLE No. 59

 PATTERN OF ENERGY SALES (CATEGORYWISE)
 REGIONWISE/STATEWISE DURING 1991-92

REGION	Name of the State / U.T.s	Total Sales (Gwh)	% age to Total Sales	
			Domestic	Commercial
NORTHERN REGION	Haryana	7138.81	18.09	2.86
	Himachal Pradesh	1078.02	26.35	7.77
	Jammu & Kashmir	1479.50	26.07	16.20
	Punjab	12522.16	13.43	2.85
	Rajasthan	9727.54	10.88	4.73
	Uttar Pradesh	20896.34	19.64	6.81
	Chandigarh	442.96	34.06	15.91
	Delhi	7040.89	43.16	19.25
	Sub-Total	60326.22	19.88	6.95
WESTERN REGION	Gujarat	18933.84	11.14	3.79
	Madhya Pradesh	15024.07	18.02	3.42
	Maharashtra	33354.22	16.70	6.66
	Goa	529.51	26.43	7.69
	Daman & Diu	78.59	10.50	5.56
	D.&N. Haveli	146.95	3.03	1.56
		Sub-Total	68067.18	15.49
SOUTHERN REGION	Andhra Pradesh	17937.15	14.05	3.13
	Karnataka	12533.82	15.45	2.24
	Kerala	5538.88	30.88	10.44
	Tamil Nadu	17691.13	16.74	6.63
	Pondicherry	611.92	10.48	3.28
	Lakshadweep	8.62	67.06	22.27
	Sub-Total	54321.52	16.93	4.81
EASTERN REGION	Bihar	7569.17	6.04	3.65
	Orissa	5618.55	17.44	3.80
	West Bengal	9364.00	22.95	10.49
	A.&N. Islands	39.42	41.07	28.74
	Sikkim	49.19	46.39	20.27
	Sub-Total	22640.33	16.01	6.60
NORTH EASTERN REGION	Assam	1537.54	15.82	9.64
	Manipur	198.21	43.00	7.00
	Meghalaya	223.77	20.15	15.61
	Nagaland	92.78	33.58	8.82
	Tripura	138.76	28.02	12.01
	Arunachal Pradesh	49.80	36.83	13.55
	Mizoram	48.59	69.15	5.87
	Sub-Total	2289.45	21.64	10.11
	Total (All India)	207644.70	17.27	5.79

For foot note please see table No. 55.

TABLE No. 59 (CONTD.)

REGION	Name of the State / U.T.s	% age to Total Sales		
		Industrial Power	Public Lighting	Traction
NORTHERN REGION	Haryana	24.76	0.39	0.00
	Himachal Pradesh	53.99	0.30	0.00
	Jammu & Kashmir	25.04	2.94	0.00
	Punjab	36.91	0.23	0.00
	Rajasthan	44.45	0.51	1.54
	Uttar Pradesh	28.04	1.00	3.25
	Chandigarh	42.93	2.99	0.00
	Delhi	30.00	2.06	0.00
	Sub-Total	32.87	0.86	1.37
WESTERN REGION	Gujarat	44.12	0.55	1.45
	Madhya Pradesh	49.07	0.60	3.76
	Maharashtra	43.95	0.94	2.79
	Goa	54.51	1.77	0.00
	Daman & Diu	80.54	1.11	0.00
	D.&N. Haveli	94.42	0.33	0.00
	Sub-Total	45.36	0.76	2.60
SOUTHERN REGION	Andhra Pradesh	36.37	0.80	2.11
	Karnataka	44.16	1.21	0.00
	Kerala	50.99	2.07	0.00
	Tamil Nadu	44.27	0.82	1.29
	Pondicherry	69.62	0.91	0.00
	Lakshadweep	4.87	5.80	0.00
	Sub-Total	42.60	1.03	1.12
EASTERN REGION	Bihar	59.20	0.31	7.04
	Orissa	59.63	0.43	3.64
	West Bengal	49.20	0.80	6.18
	A.&N. Islands	11.77	4.18	0.00
	Sikkim	17.44	15.90	0.00
	Sub-Total	55.00	0.58	5.81
NORTH EASTERN REGION	Assam	52.39	0.38	0.00
	Manipur	21.00	4.00	0.00
	Meghalaya	34.64	1.39	0.00
	Nagaland	31.18	2.00	0.00
	Tripura	23.95	3.00	0.00
	Arunachal Pradesh	9.46	15.52	0.00
Mizoram	2.37	7.90	0.00	
	Sub-Total	43.36	1.51	0.00
	Total (All India)	42.04	0.85	2.18

TABLE No. 59 (CONTD.)

REGION	Name of the State / U.T.s	% age to Total Sales		
		Agriculture	Public Water Works	Miscellaneous
NORTHERN REGION	Haryana	49.53	1.36	3.01
	Himachal Pradesh	2.76	0.00	8.83
	Jammu & Kashmir	10.16	10.06	9.53
	Punjab	44.27	0.08 (A)	2.23
	Rajasthan	30.69	4.55	2.65
	Uttar Pradesh	39.38	1.88	0.00
	Chandigarh Delhi	0.38 0.64	0.00 3.37	3.74 1.52
	Sub-Total	34.02	2.20	1.85
WESTERN REGION	Gujarat	36.85	1.73	0.37
	Madhya Pradesh	22.67	2.39	0.07
	Maharashtra	25.20	2.75	1.01
	Goa	3.33	6.26	0.00
	Daman & Diu	1.69	0.60	0.00
	D.&N. Haveli	0.40	0.26	0.00
	Sub-Total	27.63	2.41	0.61
SOUTHERN REGION	Andhra Pradesh	40.25	2.83	0.46
	Karnataka	36.37	0.49	0.08
	Kerala	4.05	1.51	0.06
	Tamil Nadu	25.49	1.46	3.30
	Lakshadweep	13.81	1.22	0.68
	Pondicherry	0.00	0.00	0.00
	Sub-Total	30.55	1.70	1.26
EASTERN REGION	Bihar	21.72	1.66	0.38
	Orissa	4.83	1.99	8.24
	West Bengal	6.96	2.56	0.86
	A.&N. Islands	0.00	0.74	13.50
	Sikkim	0.00	0.00	0.00
	Sub-Total	11.34	2.11	2.55
NORTH EASTERN REGION	Assam	2.34	2.03	17.40
	Manipur	2.00	3.00	20.00
	Meghalaya	0.67	6.94	20.60
	Nagaland	0.00	2.58	21.84
	Tripura	17.02	16.00	0.00
	Arunachal Pradesh	0.00	1.49	23.15
	Mizoram	0.00	11.42	3.29
	Sub-Total	2.84	3.65	16.89
	Total (All India)	28.20	2.14	1.53

(A) It does not include energy consumption by consumers of Punjab State Electricity Board.

TABLE No. 60
 ANNUAL PER CAPITA CONSUMPTION OF ELECTRICITY
 (UTILITIES+NON-UTILITIES)
 CATEGORYWISE/REGIONWISE/STATEWISE DURING 1991-92

REGION	Name of the State / U.T.s	Population * (Million)	UTILITIES	
			Domestic	Commercial
(KWH)				
NORTHERN REGION	Haryana	16.69	77.40	12.23
	Himachal Pradesh	5.22	54.43	16.04
	Jammu & Kashmir	7.84	49.20	30.58
	Punjab	20.48	82.13	17.45
	Rajasthan	44.55	23.76	10.32
	Uttar Pradesh	140.84	29.13	10.10
	Chandigarh	0.65	232.11	108.42
	Delhi	9.64	315.22	140.62
	Sub-Total	245.91	48.78	17.05
WESTERN REGION	Gujarat	41.68	50.60	17.24
	Madhya Pradesh	67.16	40.32	7.64
	Maharashtra	80.05	69.60	27.74
	Goa	1.18	118.62	34.51
	Daman & Diu	0.10	82.50	43.70
	D.&N. Haveli	0.14	31.79	16.36
	Sub-Total	190.31	55.39	18.39
SOUTHERN REGION	Andhra Pradesh	67.35	37.41	8.32
	Karnataka	45.37	42.68	6.20
	Kerala	29.30	58.38	19.73
	Tamil Nadu	56.31	52.59	20.82
	Pondicherry	0.82	78.20	24.46
	Lakshadweep	0.05	115.60	38.40
	Sub-Total	199.20	46.17	13.13
EASTERN REGION	Bihar	87.39	5.23	3.16
	Orissa	32.02	30.59	6.67
	West Bengal	69.02	31.13	14.23
	A.&N. Islands	0.29	55.83	39.07
	Sikkim	0.41	55.66	24.32
	Sub-Total	189.13	19.16	7.90
NORTH EASTERN REGION	Assam	22.60	10.76	6.56
	Manipur	1.86	45.82	7.46
	Meghalaya	1.80	25.05	19.41
	Nagaland	1.24	25.13	6.60
	Tripura	2.81	13.84	5.93
	Arunachal Pradesh	0.88	20.84	7.67
Mizoram	0.70	48.00	4.07	
	Sub-Total	31.89	15.54	7.26
	Total (All India)	856.44	41.86	14.05

* Estimated population as on 1st October, 1991, obtained from the Office of the Registrar General of India, except Assam, which has been estimated by this office.

TABLE No. 60 (Contd.)

REGION	Name of the State / U.T.s	UTILITIES		
		Industrial Public Water Works, Traction & Misc.	Public Lighting	Agriculture
NORTHERN REGION	Haryana	124.61	1.66	211.83
	Himachal Pradesh	129.72	0.62	5.71
	Jammu & Kashmir	84.21	5.55	19.17
	Punjab	239.81	1.38	270.66
	Rajasthan	116.14	1.12	67.01
	Uttar Pradesh	49.23	1.48	58.43
	Chandigarh	318.03	20.34	2.58
	Delhi	254.83	15.04	4.67
	Sub-Total	93.93	2.11	83.45
WESTERN REGION	Gujarat	216.55	2.50	167.38
	Madhya Pradesh	123.70	1.34	50.71
	Maharashtra	210.39	3.92	105.02
	Goa	272.73	7.96	14.92
	Daman & Diu	637.70	8.70	13.30
	D.&N. Haveli	993.85	3.43	4.21
	Sub-Total	182.32	2.73	98.83
SOUTHERN REGION	Andhra Pradesh	111.26	2.14	107.19
	Karnataka	123.56	3.34	100.48
	Kerala	99.37	3.91	7.65
	Tamil Nadu	158.10	2.57	80.09
	Pondicherry	533.76	6.78	103.04
	Lakshadweep	8.40	10.00	0.00
	Sub-Total	127.27	2.82	83.31
EASTERN REGION	Bihar	59.15	0.26	18.81
	Orissa	128.99	0.74	8.48
	West Bengal	79.78	1.09	9.44
	A.&N. Islands	35.34	5.69	0.00
	Sikkim	20.93	19.07	0.00
	Sub-Total	78.37	0.70	13.58
NORTH EASTERN REGION	Assam	48.86	0.26	1.59
	Manipur	46.89	4.26	2.13
	Meghalaya	77.30	1.73	0.83
	Nagaland	41.59	1.50	0.00
	Tripura	19.72	1.48	8.41
	Arunachal Pradesh	19.30	8.78	0.00
	Mizoram	11.85	5.49	0.00
	Sub-Total	45.87	1.08	2.04
	Total (All India)	116.11	2.06	68.37

TABLE No. 60 (Contd.)

		(KWH)		
REGION	Name of the State / U.T.s	Total Utilities	KWH from Self Generation of non-Utilities	Total (Utilities & Non-Utilities)
NORTHERN REGION	Haryana	427.73	32.42	460.15
	Himachal Pradesh	206.52	0.22	206.74
	Jammu & Kashmir	188.71	0.00	188.71
	Punjab	611.43	10.97	622.4
	Rajasthan	218.35	14.05	232.4
	Uttar Pradesh	148.37	26.00	174.37
	Chandigarh	681.48	11.85	693.33
	Delhi	730.38	15.95	746.33
	Sub-Total	245.32	21.21	266.53
WESTERN REGION	Gujarat	454.27	53.11	507.38
	Madhya Pradesh	223.71	43.47	267.18
	Maharashtra	416.67	15.17	431.84
	Goa	448.74	50.42	499.16
	Daman & Diu	785.90	0.00	785.90
	D.&N. Haveli	1049.64	0.00	1049.64
	Sub-Total	357.66	33.67	391.33
SOUTHERN REGION	Andhra Pradesh	266.32	21.95	288.27
	Karnataka	276.26	22.89	299.15
	Kerala	189.04	6.59	195.63
	Tamil Nadu	314.17	19.49	333.66
	Pondicherry	746.24	16.05	762.29
	Lakshadweep	172.40	0.00	172.40
	Sub-Total	272.70	19.18	291.88
EASTERN REGION	Bihar	86.61	28.08	114.69
	Orissa	175.47	122.89	298.36
	West Bengal	135.67	15.38	151.05
	A.&N. Islands	135.93	0.00	135.93
	Sikkim	119.98	0.00	119.98
	Sub-Total	119.71	39.39	159.10
NORTH EASTERN REGION	Assam	68.03	30.11	98.14
	Manipur	106.56	0.00	106.56
	Meghalaya	124.32	0.00	124.32
	Nagaland	74.82	1.88	76.70
	Tripura	49.38	0.00	49.38
	Arunachal Pradesh	56.59	0.00	56.59
	Mizoram	69.41	0.00	69.41
	Sub-Total	71.79	21.41	93.20
	Total (All India)	242.45	27.53	269.98

PER CAPITA CONSUMPTION OF ELECTRICITY IN VARIOUS REGIONS

(1991-92)

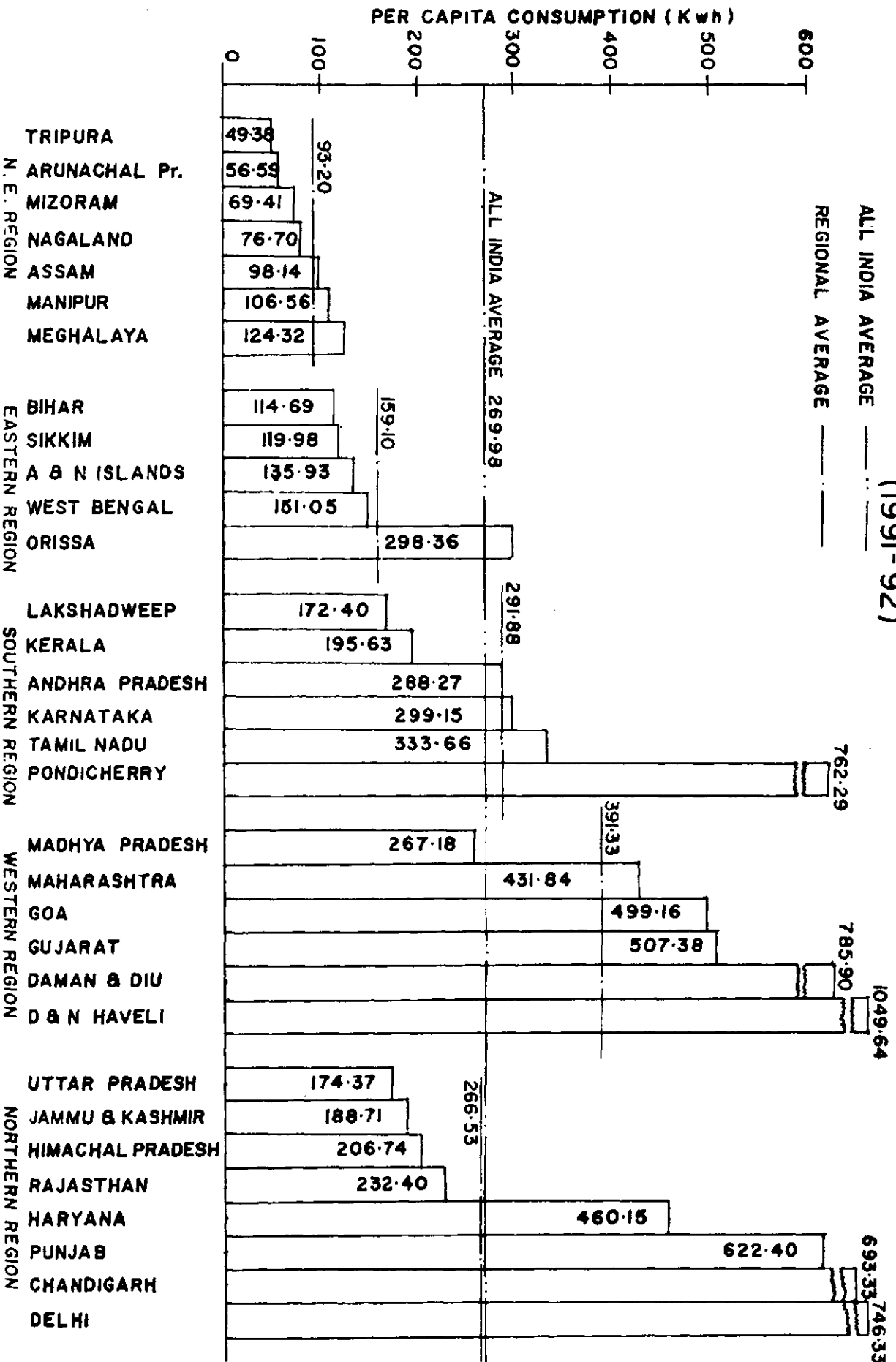


TABLE No. 61

ENERGY CONSUMPTION PER SQUARE KILOMETER AND PER THOUSAND POPULATION (UTILITIES ONLY) REGIONWISE/STATEWISE DURING 1991-92

REGION	Name of the State / U.T.s	Population (Million) a	Area in 1000 Sq.Kms. b	Total Energy sold (GWH)
NORTHERN REGION	Haryana	16.69	44.21	7138.81
	Himachal Pradesh	5.22	55.67	1078.02
	Jammu & Kashmir	7.84	222.24	1479.50
	Punjab	20.48	50.36	12522.16
	Rajasthan	44.55	342.24	9727.54
	Uttar Pradesh	140.84	294.41	20896.34
	Chandigarh	0.65	0.11	442.96
	Delhi	9.64	1.48	7040.89
	Sub-Total	245.91	1010.72	60326.22
WESTERN REGION	Gujarat	41.68	196.02	18933.84
	Madhya Pradesh	67.16	443.45	15024.07
	Maharashtra	80.05	307.69	33354.22
	Goa	1.18	3.70	529.51
	Daman & Diu	0.10	0.11	78.59
	D.&N. Haveli	0.14	0.49	146.95
	Sub-Total	190.31	951.46	68067.18
SOUTHERN REGION	Andhra Pradesh	67.35	275.07	17937.15
	Karnataka	45.37	191.79	12533.82
	Kerala	29.30	38.86	5538.88
	Tamil Nadu	56.31	130.06	17691.13
	Pondicherry	0.82	0.49	611.92
	Lakshadweep	0.05	0.03	8.62
	Sub-Total	199.20	636.30	54321.52
EASTERN REGION	Bihar	87.39	173.88	7569.17 (A)
	Orissa	32.02	155.71	5618.55
	West Bengal	69.02	88.75	9364.00 (A)
	A.&N. Islands	0.29	8.25	39.42
	Sikkim	0.41	7.10	49.19
	Sub-Total	189.13	433.69	22640.33
NORTH EASTERN REGION	Assam	22.60	78.44	1537.54
	Manipur	1.86	22.33	198.21
	Meghalaya	1.80	22.43	223.77
	Nagaland	1.24	16.58	92.78
	Tripura	2.81	10.49	138.76
	Arunachal Pradesh	0.88	83.74	49.80
	Mizoram	0.70	21.08	48.59
	Sub-Total	31.89	255.09	2289.45
	Total (All India)	856.44	3287.26	207644.70

Note: b- Source for area figures is "Statistical Abstract India-1990" published by the Central Statistical Organisation.

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

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

TABLE No. 61 (Contd.)

REGION	Name of the State / U.T.s	Energy Consumed per thousand of population (kwh)	Energy Consumed per Sq. km. (kwh)
NORTHERN REGION	Haryana	427730	161475
	Himachal Pradesh	206517	19364
	Jammu & Kashmir	188712	6657
	Punjab	611434	248653
	Rajasthan	218351	28423
	Uttar Pradesh	148369	70977
	Chandigarh	681477	4026909
	Delhi	730383	4757358
	Sub-Total	245318	59686
WESTERN REGION	Gujarat	454267	96591
	Madhya Pradesh	223706	33880
	Maharashtra	416667	108402
	Goa	448737	143111
	Daman & Diu	785900	714455
	D.&N. Haveli	1049643	299898
	Sub-Total	357665	71540
SOUTHERN REGION	Andhra Pradesh	266327	65209
	Karnataka	276258	65352
	Kerala	189040	142534
	Tamil Nadu	314174	136023
	Pondicherry	746244	1248816
	Lakshadweep	172400	287333
	Sub-Total	272698	85371
EASTERN REGION	Bihar	86614	43531
	Orissa	175470	36083
	West Bengal	135671	105510
	A.&N. Islands	135931	4778
	Sikkim	119976	6928
	Sub-Total	119708	52204
NORTH EASTERN REGION	Assam	68033	19601
	Manipur	106565	8876
	Meghalaya	124317	9976
	Nagaland	74823	5596
	Tripura	49381	13228
	Arunachal Pradesh	56591	595
	Mizoram	69414	2305
	Sub-Total	71792	8975
	Total (All India)	242451	63166

TABLE No. 62

ELECTRICAL ACCIDENTS DURING 1991-92

State/U.Ts./ Central Undertakings	Total		Power Houses & Sub-Stations			
			Electric Supply Undertaking		Industrial Undertaking	
	Fatal	Non- ² Fatal	Fatal	Non- Fatal	Fatal	Non- Fatal
Andhra Pradesh	167+154*	96	0	0	0	0
Assam	0	0	0	0	0	0
Bihar	1	9	0	0	0	5
Goa	0	0	0	0	0	0
Gujarat	390+466*	339	5+6*	38	24	8
Haryana	0	0	0	0	0	0
Himachal Pradesh	22+19*	75	0	4	0	0
Jammu & Kashmir	0	0	0	0	0	0
Karnataka	0	0	0	0	0	0
Kerala	0	0	0	0	0	0
Madhya Pradesh	394+459*	282	15+6*	23	0	0
Maharashtra	549+440*	531	7	34	1	7
Manipur	14+10*	4	1	0	0	0
Meghalaya	12+29*	9	0	0	0	0
Nagaland	3+1*	2	1	0	1	0
Orissa	84+11*	19	4+1*	2	0	0
Punjab	0	0	0	0	0	0
Rajasthan	74+6*	84	5	15	2	0
Sikkim	0	0	0	0	0	0
Tamil Nadu	248	120	5	5	0	0
Tripura	7+1*	19+16*	1+1*	1	0	0
Uttar Pradesh	0	0	0	0	0	0
West Bengal	0	0	0	0	0	0
Mines	12	12	0	0	0	0
Central Govt. Installations	23	62	0	0	0	0
Railways	23	45	0	7	1	2
UNION TERRITORIES						
A.&N. Islands	7+5*	4	0	0	0	0
Arunachal Pradesh	0	0	0	0	0	0
Chandigarh	1	3	0	0	0	0
D.&N.Haveli	1+2*	1	0	0	0	0
Delhi	0	0	0	0	0	0
Daman & Diu	0	0	0	0	0	0
Lakshadweep	0	0	0	0	0	0
Mizoram	1	2	0	0	0	0
Pondicherry	0	0	0	0	0	0
Total (All India)	2033+1603*	1718+16*	44+14*	129	29	22

* - Accidents involving animals.

Note: Data in respect of Assam, Goa, Haryana, J & K, Karnataka, Kerala, Punjab, Sikkim, U.P., West Bengal, Arunachal Pradesh, Delhi, Daman & Diu, Lakshadweep & Pondocherry are not available.

TABLE NO. 62 (Contd.)

ELECTRICAL ACCIDENTS DURING 1991-92

State/U.Ts./ Central Undertakings	TRANSMISSION		LINES	
	Electric Supply Undertaking		Industrial Undertaking	
	Non- Fatal	Non- Fatal	Fatal	Non- Fatal
Andhra Pradesh	0	0	0	0
Assam	0	0	0	0
Bihar	0	0	0	0
Goa	0	0	0	0
Gujarat	28+4*	26	16+2*	0
Haryana	0	0	0	0
Himachal Pradesh	1	5	0	0
Jammu & Kashmir	0	0	0	0
Karnataka	0	0	0	0
Kerala	0	0	0	0
Madhya Pradesh	85+88*	83	0	0
Maharashtra	53+30*	86	1	7
Manipur	4+1*	3	0	0
Meghalaya	12+27*	8	0	0
Nagaland	0	1	0	0
Orissa	21+2*	4	0	0
Punjab	0	0	0	0
Rajasthan	18+5*	18	1	0
Sikkim	0	0	0	0
Tamil Nadu	0	0	0	0
Tripura	3	5	0	0
Uttar Pradesh	0	0	0	0
West Bengal	0	0	0	0
Mines	0	0	10	9
Central Govt. Installations	22	62	0	0
Railways	0	0	1	1
UNION TERRITORIES				
A.&N. Islands	0	0	0	0
Arunachal Pradesh	0	0	0	0
Chandigarh	0	0	0	0
D.&N.Haveli	0	0	0	0
Delhi	0	0	0	0
Damand & Diu	0	0	0	0
Lakshadweep	0	0	0	0
Mizoram	1	0	0	0
Pondicherry	0	0	0	0
Total (All India)	247+159*	302	29+2*	17

* - Accidents involving animals.

TABLE NO. 62 (Contd.)

ELECTRICAL ACCIDENTS DURING 1991-92

State/U.Ts./ Central Undertakings	DISTRIBUTION LINES			
	Electric Supply Undertaking		Industrial Undertaking	
	Fatal	Non- Fatal	Fatal	Non- Fatal
Andhra Pradesh	167+154*	96	0	0
Assam	0	0	0	0
Bihar	0	0	1	4
Goa	0	0	0	0
Gujarat	199+430*	253	118+24*	14
Haryana	0	0	0	0
Himachal Pradesh	21+19*	66	0	0
Jammu & Kashmir	0	0	0	0
Karnataka	0	0	0	0
Kerala	0	0	0	0
Madhya Pradesh	163+349*	145	131+16*	31
Maharashtra	326+407*	360	161+3*	37
Manipur	0	0	9+9*	1
Meghalaya	2*	1	0	0
Nagaland	1+1*	0	0	0
Orissa	57+8*	12	2	1
Punjab	0	0	0	0
Rajasthan	47+1*	51	1	0
Sikkim	0	0	0	0
Tamil Nadu	199	105	44	10
Tripura	4	13+16*	0	0
Uttar Pradesh	0	0	0	0
West Bengal	0	0	0	0
Mines	0	0	2	3
Central Govt. Installations	1	0	0	0
Railways	11	11	10	24
UNION TERRITORIES				
A.&N. Islands	7+5*	4	0	0
Arunachal Pradesh	0	0	0	0
Chandigarh	1	3	0	0
D.&N.Haveli	1+2*	1	0	0
Delhi	0	0	0	0
Damand & Diu	0	0	0	0
Lakshadweep	0	0	0	0
Mizoram	0	2	0	0
Pondicherry	0	0	0	0
Total (All India)	1205+1376*	1123+16*	479+52*	125

* - Accidents involving animals.

SECTION IX

Consumers & Connected Load

SECTION - IX

CONSUMERS AND CONNECTED LOAD

During the year under review 4.56 million additional electricity connections were given to different categories of consumers bringing the total number of consumers to 74.19 millions as on 31st March,1992 recording an increase of 6.55% over the previous year. The corresponding connected load of all categories of consumers rose to 1,35,664.90 MW as compared to 1,20,901.20 MW as on 31.3.1991 registering an increase of 12.21% 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 46,966 MW followed by domestic and agricultural sectors having connected load of 38,979 MW and 34,562 MW respectively.

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

TABLE No.63

CLASSIFICATION OF CONSUMERS AND CONNECTED LOAD (UTILITIES)
REGIONWISE/STATEWISE AS ON 31.3.1992

Region	State/U.T.s	Total		Domestic	
		Connected Load(KW)	Consumers	Connected Load(KW)	Consumers
NORTHERN REGION	Haryana	4968559	2690095	1153066	1978454
	Himachal Pradesh	1250027	1008336	668450	886774
	Jammu & Kashmir (R)	455872	504012	138377	423056
	Punjab	7889215	4028281	2202400	2836171
	Rajasthan	6093721	3420437	1297249	2429176
	Uttar Pradesh	10508802	4815303	2917250	3611882
	Chandigarh (R)	453384	125171	263287	108131
	Delhi	2877615	1852721	1378124	1536540
	Sub-Total	34497195	18444356	10018203	13810204
WESTERN REGION	Gujarat	12700946	6280308	2827616	4766617
	Madhya Pradesh	8312452	6067936	1444978	4410584
	Maharashtra	21731034	11034707	5827897	7776460
	Goa	4672657	261001	4433994	216441
	D.&N. Haveli	39226	15784	3378	13428
	Daman & Diu	54948	21615	10298	17131
	Sub-Total	47511263	23681351	14548155	17200661
SOUTHERN REGION	Andhra Pradesh	11831723	7425555	2353967	5347327
	Karnataka	9056433	5792897	2892392	4145220
	Kerala	5530046	3739173	1884050	2787108
	Tamil Nadu	14526430	8731689	3888034	6040674
	Lakshadweep	10776	12427	7032	10247
	Pondicherry	307467	113199	60957	80207
		Sub-Total	41262875	25814940	11086432
EASTERN REGION	Bihar	2825606	1539311	459268	891806
	Orissa (R)	2241987	930662	508531	710740
	West Bengal (R)	4745350	2675469	1542784	1966856
	D.V.C. (R)	520030	50	0	0
	A.&N. Islands	30408	38799	12761	30375
	Sikkim (R)	12122	32638	9595	27159
	Sub-Total	10375503	5216929	2532939	3626936
NORTH EASTERN REGION	Assam	1463735	566721	495144	330096
	Manipur (R)	51699	96731	37152	92137
	Meghalaya	111359	84125	34403	71181
	Nagaland (R)	74870	70373	38328	57599
	Tripura (R)	135876	97020	60032	75040
	Arunachal Pradesh	74851	57292	38386	41582
	Mizoram	105677	57609	89790	55038
	Sub-Total	2018067	1029871	793235	722673
	Total (All India)	135664903	74187447	38978964	53771257

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

TABLE No.63 (Contd.)

		COMMERCIAL INDUSTRIAL			
		(L.V. & M.V.)			
Region	State/U.T.s	Connected Load(KW)	Consumers	Connected Load(KW)	Consumers
NORTHERN REGION	Haryana	195193	264587	795788	68956
	Himachal Pradesh	166005	97821	341468	19507
	Jammu & Kashmir (R)	44387	61330	150262	11179
	Punjab	556794	444865	1375454	113686
	Rajasthan	398603	459467	1170129	106156
	Uttar Pradesh	827453	450212	2265295	179583
	Chandigarh (R)	94339	13689	34897	2314
	Delhi	265466	230424	781796	60911
	Sub-Total	2548240	2022395	6915089	562292
WESTERN REGION	Gujarat	834485	729161	2881992	261579
	Madhya Pradesh	491051	546640	973923	93270
	Maharashtra	1662802	1194209	3006309	280986
	D.&N. Haveli	2055	1278	8218	272
	Goa	72094	32556	96241	6185
	Daman & Diu	3880	2698	22164	647
	Sub-Total	3066367	2506542	6988847	642939
SOUTHERN REGION	Andhra Pradesh	366443	542521	2041199	133781
	Karnataka	221669	552271	1371438	233737
	Kerala	411754	636449	933475	67591
	Tamil Nadu	874543	1023143	2272835	272350
	Lakshadweep	2285	1998	1271	142
	Pondicherry	28289	18859	48445	3278
	Sub-Total	1904983	2775241	6668663	710879
EASTERN REGION	Bihar	212000	287234	608224	84203
	Orissa (R)	127179	150538	361084	22329
	West Bengal (R)	661297	531366	1315875	107988
	D.V.C. (R)	30	5	0	30
	A.&N. Islands	7095	7502	7764	345
	Sikkim (R)	300	5305	1910	174
	Sub-Total	1007901	981950	2294857	215069
NORTH EASTERN REGION	Assam	139324	88741	67477	6330
	Manipur (R)	4070	3199	5943	1067
	Meghalaya	13256	11576	26736	822
	Nagaland (R)	5126	10784	10145	957
	Tripura (R)	16965	16965	36510	3651
	Arunachal Pradesh	17498	9579	1402	128
	Mizoram	6842	2286	780	244
	Sub-Total	203081	143130	148993	13199
	Total (All India)	8730572	8429258	23016449	2144378

TABLE NO. 63 (Contdd.)

Region	State/U.T.s	INDUSTRIAL H.V.		PUBLIC LIGHTING	
		Connected Load(KW)	Consumers	Connected Load(KW)	Consumers
NORTHERN REGION	Har yana	885566	2008	9593	5505
	Himachal Pradesh (C)		(C)	1453	309
	Jammu & Kashmir (R)	2091	69	3222	54
	Punjab	1480380	1896	8426	828
	Rajasthan	1011319	838	20407	6200
	Uttar Pradesh	1227310	1240	37472	25179
	Chandigarh (R)	40422	124	4280	323
	Delhi	291413	475	46594	1879
	Sub-Total	4938501	6650	131447	40277
WESTERN REGION	Gujarat	2027433	2656	137205	16846
	Madhya Pradesh	2172967	1660	42546	26681
	Maharashtra	3980457	6969	108440	42932
	D.&N. Haveli	24351	149	23	104
	Goa	49427	302	9361	797 (E)
	Daman & Diu	15737	101	210	101
	Sub-Total	8270372	11837	297785	87461
SOUTHERN REGION	Andhra Pradesh	2081195	3764	59857	51061
	Karnataka	1470852	2195	35065	15741
	Kerala	1729535	1192	30582	7250
	Tamil Nadu	2707467	3286	55975	59891
	Lakshadweep	0	0	188	40
	Pondicherry	114507	131	2939	628 (E)
	Sub-Total	8103556	10568	184606	134611
EASTERN REGION	Bihar	571020	1508	13057	6175
	Orissa (R)	771605	447	15967	4060
	West Bengal (R)	597805	3069	16995	520
	D.V.C. (R)	425000	3	0	0
	A.&N. Islands	0	0	379	171
	Sikkim	0	0	67	0
	Sub-Total	2365430	5027	46465	10926
NORTH EASTERN REGION	Assam	265075	1462	7168	625
	Manipur (R)	0	0	2028	307
	Meghalaya	0	0	711	226
	Nagaland (R)	5000	1	5022	923
	Tripura (R)	0	0	1851	240
	Arunachal Pradesh	1398	26	7407	190
	Mizoram	0	0	1625	1
	Sub-Total	271473	1489	25812	2512
	Total (All India)	23949332	35571	686115	275787

(C)-included in industrial low and medium voltage.
(E)-Estimated

TABLE NO. 63 (Contd.)

Region	State/U.T.s	TRACTION		AGRICULTURE	
		Connected Load (KW)	Consumers	Connected Load(KW)	Consumers
NORTHERN REGION	Haryana	0	0	1766185	366976
	Himachal Pradesh	0	0	40721	3841
	Jammu & Kashmir (R)	0	0	32933	867
	Punjab	0	0	2106821	630502
	Rajasthan	41875	7	1904901	400928
	Uttar Pradesh	164050	7	2935476	543631
	Chandigarh (R)	0	0	1588	325
Delhi	0	0	76547	22411	
	Sub-Total	205925	14	8865172	1969481
WESTERN REGION	Gujarat	87470	10	3346358	487912
	Madhya Pradesh	302302	39	2753623	956984
	Maharashtra	328243	40	6033174	1698855
	D.&N. Haveli	0	0	1136	470
	Goa	0	0	10901	4523
	Daman & Diu	0	0	2317	891
	Sub-Total	718015	89	12147509	3149635
SOUTHERN REGION	Andhra Pradesh	222000	20	4220763	1284806
	Karnataka	0	0	2940875	827722
	Kerala	0	0	469140	238624
	Tamil Nadu	88284	12	4466061	1273918
	Lakshadweep	0	0	0	0
	Pondicherry	0	0	48079	9603
	Sub-Total	310284	32	12144918	3634673
EASTERN REGION	Bihar	116000	11	796037	267073
	Orissa (R)	80998	10	229376	40275
	West Bengal (R)	151425	25	300264	64103
	D.V.C. (R)	90000	9	0	0
	A.&N. Islands	0	0	0	0
	Sikkim (R)	0	0	0	0
	Sub-Total	438423	55	1325677	371451
NORTH EASTERN REGION	Assam	0	0	63420	2114
	Manipur (R)	0	0	2506	21
	Meghalaya	0	0	801	32
	Nagaland (R)	0	0	0	0
	Tripura (R)	0	0	12318	926
	Arunachal Pradesh	0	0	0	0
	Mizoram	0	0	0	0
	Sub-Total	0	0	79045	3093
	Total (All India)	1672647	190	34562321	9128333

TABLE NO. 63 (Contd.)

Region	State/U.T.s	PUBLIC WATER WORKS		MISCELLANEOUS	
		Connected Load(KW)	Consumers	Connected Load(KW)	Consumers
NORTHERN REGION	Haryana	52306	3252	110862	357
	Himachal Pradesh	0	0	31930	84
	Jammu & Kashmir (R)	23438	698	61162	6759
	Punjab	F	F	158940	333
	Rajasthan	171067	13305	78171	4360
	Uttar Pradesh	123962	3553	10534	16
	Chandigarh (R)	6757	235	7814	10
	Delhi	37675	81	0	0
	Sub-Total	415205	21124	459413	11919
WESTERN REGION	Gujarat	531712	15139	26675	388
	Madhya Pradesh	123552	10059	7510	22019
	Maharashtra	462431	33928	321281	328
	D.&N. Haveli	65	83	0	0
	Goa	639	197	0	0
	Daman & Diu	348	46	0	0
	Sub-Total	1118747	59452	355466	22735
SOUTHERN REGION	Andhra Pradesh	(G)	(G)	486299	62275
	Karnataka	124142	16011	0	0
	Kerala	71510	959	0	0
	Tamil Nadu	143670	31365	29561	27050
	Lakshadweep	0	0	0	0
	Pondicherr	3485	14	766	479
	Sub-Total	342807	48349	516626	89804
EASTERN REGION	Bihar	50000	1301	0	0
	Orissa (R)	33796	1032	113451	1231
	West Bengal (R)	36421	1358	72484	184
	D.V.C. (R)	0	0	5000	3
	A.&N. Islands	152	34	2257	372
	Sikkim (R)	0	0	250	0
	Sub-Total	170369	3725	193442	1790
NORTH EASTERN REGION	Assam	24596	1118	401531	136235
	Manipur (R)	0	0	0	0
	Meghalaya	8703	106	26749	182
	Nagaland (R)	778	20	10471	89
	Tripura (R)	7890	167	310	31
	Arunachal Pradesh	46	77	8714	5710
	Mizoram	3880	1	2760	39
	Sub-Total	45893	1489	450535	142286
	Total (All India)	2093021	134139	1975482	268534

Note: In certain cases figures for the year 91-92 may not be consistent with the previous years figures because of improper reporting or revision of last year data by Electricity Board/Licensees.

(G) Included in industrial high voltage.

(F) consumers and connected load of Punjab SEB are included in agricultural category.

TABLE NO. 64
 AVERAGE ELECTRICITY CONSUMPTION PER CONSUMER
 REGIONWISE/STATEWISE/CATEGORYWISE DURING 1991-92

(IN THOUSAND KWH)

Region	State/U.T.s	Total Average all categories	Domestic	Commercial
NORTHERN REGION	Haryana	2.65	0.65	0.77
	Himachal Pradesh	1.07	0.32	0.86
	Jammu & Kashmir	2.94	0.91	3.91
	Punjab	3.10	0.59	0.80
	Rajasthan	2.84	0.44	1.00
	Uttar Pradesh	4.34	1.14	3.16
	Chandigarh	3.54	1.39	5.15
	Delhi	3.55	1.98	5.88
	Sub-Total	3.27	0.87	2.07
WESTERN REGION	Gujarat	3.01	0.44	0.99
	Madhya Pradesh	2.48	0.61	0.94
	Maharashtra	3.02	0.72	1.86
	Goa	2.03	0.65	1.25
	Daman & Diu	3.64	0.48	1.62
	D.&N. Haveli	9.31	0.33	1.79
	Sub-Total	2.87	0.61	1.40
SOUTHERN REGION	Andhra Pradesh	2.38	0.47	1.03
	Karnataka	2.16	0.47	0.51
	Kerala	1.48	0.61	0.91
	Tamil Nadu	2.03	0.49	1.15
	Pondicherry	5.41	0.80	1.06
	Lakshadweep	0.69	0.56	0.96
	Sub-Total	2.10	0.50	0.94
EASTERN REGION	Bihar	4.92	0.51	0.96
	Orissa	6.04	1.38	1.42
	West Bengal	3.50	1.09	1.85
	A.&N. Islands	1.02	0.53	1.51
	Sikkim	1.51	0.84	1.88
	Sub-Total	4.34	1.00	1.52
NORTH EASTERN REGION	Assam	2.71	0.74	1.67
	Manipur	2.05	0.93	4.34
	Meghalaya	2.66	0.63	3.02
	Nagaland	1.32	0.54	0.76
	Tripura	1.43	0.52	0.98
	Arunachal Pradesh	0.87	0.44	0.70
	Mizoram	0.84	0.61	1.25
	Sub-Total	2.22	0.69	1.62
	Total (All India)	2.80	0.67	1.43

For Notes: Please see Table No.53 & 61

TABLE NO. 64 (Contd.)

(IN THOUSAND RUHS)

Region	State/U.T.s	Industrial L.V. & M.V.	Industrial H.V.	Public Lighting
NORTHERN REGION	Haryana	7.26	631.10	5.04
	Himachal Pradesh	29.83	0.00	10.42
	Jammu & Kashmir	33.14	0.00	805.43
	Punjab	10.86	1786.42	34.06
	Rajasthan	8.42	4092.88	8.07
	Uttar Pradesh	13.02	2839.26	8.30
	Chandigarh	27.32	1023.71	40.93
Delhi	24.67	1284.21	77.17	
	Sub-Total	13.31	1855.90	12.91
WESTERN REGION	Gujarat	9.14	2244.61	6.18
	Madhya Pradesh	8.04	3789.73	3.38
	Maharashtra	7.65	1794.90	7.32
	Goa	5.14	850.46	11.78
	Daman & Diu	24.31	470.99	8.61
	D.&N. Haveli	38.31	861.34	4.62
	Sub-Total	8.32	2156.46	5.93
SOUTHERN REGION	Andhra Pradesh	7.36	1471.93	2.82
	Karnataka	3.44	2154.87	9.62
	Kerala	5.86	2037.04	15.81
	Tamil Nadu	5.96	1889.43	2.42
	Pondicherry	9.00	3026.95	8.85
	Lakshadweep	2.96	0.00	12.50
	Sub-Total	5.40	1826.61	4.17
EASTERN REGION	Bihar	2.63	2824.68	3.76
	Orissa	25.56	6218.81	5.87
	West Bengal	7.98	1220.53	144.23
	A.&N. Islands	13.45	0.00	9.64
	Sikkim	49.31	0.00	0.00
	Sub-Total	7.75	2145.46	12.04
NORTH EASTERN REGION	Assam	69.43	250.32	9.42
	Manipur	16.72	0.00	25.83
	Meghalaya	94.28	0.00	13.76
	Nagaland	6.61	22600.00	2.01
	Tripura	9.10	0.00	17.33
	Arunachal Pradesh	12.58	119.23	40.68
	Mizoram	4.71	0.00	3840.00
	Sub-Total	43.73	279.01	13.75
	Total (All India)	8.82	1922.13	6.40

For Notes: Please see Table No.53 & 61

TABLE NO. 64 (Contd.)

(IN THOUSAND KWH)

Region	State/Uts	Traction	Agricul- tural	Public Water Works
NORTHERN REGION	Haryana	0.00	9.63	29.90
	Himachal Pradesh	0.00	7.76	0.00
	Jammu & Kashmir	0.00	173.38	213.15
	Punjab	0.00	8.79	0.00
	Rajasthan	21340.00	7.45	33.27
	Uttar Pradesh	97142.86	15.14	110.89
	Chandigarh	0.00	5.17	0.00
	Delhi	0.00	2.01	2925.93
	Sub-Total	59241.43	10.42	62.93
WESTERN REGION	Gujarat	27404.00	14.30	21.68
	Madhya Pradesh	14467.45	3.56	35.73
	Maharashtra	23240.50	4.95	26.99
	Goa	0.00	3.89	168.38
	Daman & Diu	0.00	1.49	10.22
	D.&N. Haveli	0.00	1.26	4.58
		Sub-Total	19863.93	5.97
SOUTHERN REGION	Andhra Pradesh	18930.00	5.62	0.00
	Karnataka	0.00	5.51	3.86
	Kerala	0.00	0.94	87.59
	Tamil Nadu	19000.00	3.54	8.28
	Pondicherry	0.00	8.80	533.57
	Lakshadweep	0.00	0.00	0.00
	Sub-Total	18956.25	4.57	9.87
EASTERN REGION	Bihar	48429.09	6.16	96.36
	Orissa	20451.00	6.74	108.49
	West Bengal	23168.40	10.17	176.60
	A.&N. Islands	0.00	0.00	8.53
	Sikkim	0.00	0.00	0.00
	Sub-Total	23921.64	6.91	128.17
NORTH EASTERN REGION	Assam	0.00	16.99	27.95
	Manipur	0.00	188.57	0.00
	Meghalaya	0.00	46.87	146.51
	Nagaland	0.00	0.00	119.50
	Tripura	0.00	25.51	132.99
	Arunachal Pradesh	0.00	0.00	9.61
	Mizoram	0.00	0.00	5550.00
	Sub-Total	0.00	21.02	56.16
	Total (All India)	23787.16	6.41	33.16

For Notes: Please see Table No.53 & 61

TABLE NO. 65
 AVERAGE CONNECTED LOAD PER CONSUMER
 REGIONWISE/STATEWISE/CATEGORYWISE
 AS ON 31.3.1992

(IN KW)

Region	State/U.T.s	Total Average all categories	Domestic	Commercial
NORTHERN REGION	Haryana	1.85	0.58	0.74
	Himachal Pradesh	1.24	0.75	1.70
	Jammu & Kashmir	0.90	0.33	0.72
	Punjab	1.96	0.78	1.25
	Rajasthan	1.78	0.53	0.87
	Uttar Pradesh	2.18	0.81	1.84
	Chandigarh	3.62	2.43	6.89
	Delhi	1.55	0.90	1.15
	Sub-Total	1.87	0.72	1.26
WESTERN REGION	Gujarat	2.02	0.59	1.14
	Madhya Pradesh	1.37	0.33	0.90
	Maharashtra	1.97	0.75	1.39
	Goa	17.90	20.48	2.21
	Daman & Diu	2.54	0.60	1.44
	D.&N. Haveli	2.49	0.25	1.60
	Sub-Total	2.00	0.85	1.22
SOUTHERN REGION	Andhra Pradesh	1.59	0.44	0.68
	Karnataka	1.56	0.70	0.40
	Kerala	1.48	0.68	0.65
	Tamil Nadu	1.66	0.64	0.85
	Lakshadweep	0.87	0.69	1.14
	Pondicherry	2.72	0.76	1.50
	Sub-Total	1.60	0.60	0.69
EASTERN REGION	Bihar	1.83	0.52	0.74
	Orissa	2.41	0.72	0.85
	West Bengal	1.77	0.78	1.24
	D.V.C.	10400.60	0.00	6.00
	A.&N. Islands	0.78	0.42	0.95
	Sikkim	0.37	0.35	0.06
	Sub-Total	1.99	0.70	1.03
NORTH EASTERN REGION	Assam	2.58	1.50	1.57
	Manipur	0.53	0.40	1.27
	Meghalaya	1.32	0.48	1.15
	Nagaland	1.06	0.67	0.48
	Tripura	1.40	0.80	1.00
	Arunachal Pradesh	1.30	0.92	1.83
	Mizoram	1.83	1.63	2.99
	Sub-Total	1.96	1.10	1.41
	Total (All India)	1.83	0.72	1.04

TABLE NO. 65 (Contd.)

		(IN KW)		
Region	State/U.T.s	Industrial L.V.& M.V.	Industrial H.V.	Public Lighting
NORTHERN REGION	Haryana	11.54	441.02	1.74
	Himachal Pradesh	17.50	0.00	4.70
	Jammu & Kashmir	13.44	30.30	59.67
	Punjab	12.10	780.79	10.18
	Rajasthan	11.02	1206.82	3.29
	Uttar Pradesh	12.61	989.77	1.49
	Chandigarh	15.08	325.98	13.25
	Delhi	12.83	613.50	24.80
	Sub-Total	12.30	742.63	3.26
WESTERN REGION	Gujarat	11.02	763.34	8.14
	Madhya Pradesh	10.44	1309.02	1.59
	Maharashtra	10.70	571.17	2.53
	Goa	15.56	163.67	11.75
	Daman & Diu	34.26	155.81	2.08
	D.&N. Haveli	30.21	163.43	0.22
	Sub-Total	10.87	698.69	3.40
SOUTHERN REGION	Andhra Pradesh	15.26	552.92	1.17
	Karnataka	5.86	670.09	2.23
	Kerala	13.81	1450.95	4.22
	Tamil Nadu	8.35	823.94	0.93
	Lakshadweep	8.95	0.00	4.70
	Pondicherry	14.78	874.10	4.68
	Sub-Total	9.38	766.80	1.37
EASTERN REGION	Bihar	7.22	378.66	2.11
	Orissa	16.17	1726.19	3.93
	West Bengal	12.19	194.79	32.68
	D.V.C.	0.00	14166.67	0.00
	A.&N. Islands	22.50	0.00	2.21
	Sikkim	10.98	0.00	0.00
	Sub-Total	10.67	470.55	4.25
NORTH EASTERN REGION	Assam	10.66	181.31	11.47
	Manipur	5.57	0.00	6.60
	Meghalaya	32.53	0.00	3.15
	Nagaland	10.60	5000.00	5.44
	Tripura	10.00	0.00	7.71
	Arunachal Pradesh	10.95	53.76	38.98
	Mizoram	3.20	0.00	1625.00
	Sub-Total	10.42	182.32	10.28
	Total (All India)	10.73	673.28	2.49

For Notes: Please see Table No. 61

TABLE NO. 65 (Contd.)

(IN KW)

Region	State/U.T.s	Traction	Agricul- tural	Public Water Works
NORTHERN REGION	Haryana	0.00	4.81	16.08
	Himachal Pradesh	0.00	10.60	0.00
	Jammu & Kashmir	0.00	37.99	33.58
	Punjab	0.00	3.34	0.00
	Rajasthan	5982.14	4.75	12.86
	Uttar Pradesh	23435.71	5.40	34.89
	Chandigarh	0.00	4.89	28.75
	Delhi	0.00	3.42	465.12
	Sub-Total	14708.93	4.50	19.66
WESTERN REGION	Gujarat	8747.00	6.86	35.12
	Madhya Pradesh	7751.33	2.88	12.28
	Maharashtra	8206.08	3.55	13.63
	Goa	0.00	2.41	3.24
	Daman & Diu	0.00	2.60	7.57
	D.&N. Haveli	0.00	2.42	0.78
	Sub-Total	8067.58	3.86	18.82
SOUTHERN REGION	Andhra Pradesh	11100.00	3.29	0.00
	Karnataka	0.00	3.55	7.75
	Kerala	0.00	1.97	74.57
	Tamil Nadu	7357.00	3.51	4.58
	Lakshadweep	0.00	0.00	0.00
	Pondicherry	0.00	5.01	248.93
	Sub-Total	9696.38	3.34	7.09
EASTERN REGION	Bihar	10545.45	2.98	38.43
	Orissa	8099.80	5.70	32.75
	West Bengal	6057.00	4.68	63.64
	D.V.C.	10000.00	0.00	0.00
	A.&N. Islands	0.00	0.00	4.47
	Sikkim	0.00	0.00	0.00
	Sub-Total	7971.33	3.57	45.74
NORTH EASTERN REGION	Assam	0.00	30.00	22.00
	Manipur	0.00	119.33	0.00
	Meghalaya	0.00	25.03	82.10
	Nagaland	0.00	0.00	38.90
	Tripura	0.00	13.30	47.25
	Arunachal Pradesh	0.00	0.00	0.60
	Mizoram	0.00	0.00	3880.00
	Sub-Total	0.00	25.56	30.82
	Total (All India)	9033.45	3.79	15.60

For Notes: Please see Table No.61

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 1991-92; 6046 villages were electrified bringing the total number of villages electrified to 4,87,170 as on 31st March, 1992 which represents 84.1 percent of the total registered villages in the country. The States of Punjab, H.P., Gujarat, Haryana, Goa, Karnataka and Kerala and the Union Territories of Chandigarh, Delhi, Pondicherry, Daman & Diu, Lakshadweep, Dadra & Nagar Haveli and Andaman & Nicobar Islands have already achieved 100% electrification of villages in their territories. Other States/U.Ts. which are likely to achieve 100% rural electrification in the near future are Tamil Nadu (99.9%), Nagaland (98.8%), Assam (97.6%).

On the regional basis, the Southern Region tops with 99.2% of villages electrified followed by Western Region (94.6%), North-Eastern Region (90.8%), Northern Region (80.6%) and Eastern Region (71.0%). The rural population on all India basis enjoying the benefits of village electrification was 85.2% as on 31st March, 1992. All the 4,029 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 93,91,188 as on 31st March, 1992. Maharashtra have maximum number of energised pump sets (17,03,161) followed by Tamil Nadu (13,59,748).

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

TABLE No. 66

TOWNS ELECTRIFIED IN VARIOUS POPULATION GROUPS
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1992

Region	Name of the State / U.T.s	Total No. of Towns (1981 Census)	POPULATION GROUPS (1981 CENSUS)		
			Below 5000	5000 to 9999	10000 to 19999
NORTHERN REGION	Haryana	81	2	23	25
	Himachal Pradesh	47	30	9	5
	Jammu & Kashmir	58	24	20	9
	Punjab	134	14	40	36
	Rajasthan	201	1	23	101
	Uttar Pradesh	704	87	236	215
	Chandigarh	4	1	0	1
	Delhi	30	0	15	4
	Sub-Total	1259	159	366	394
WESTERN REGION	Gujarat	255	13	61	86
	Madhya Pradesh	327	5	114	119
	Maharashtra	307	16	48	100
	Goa, Daman & Diu **	17	4	5	3
	D.&N. Haveli	1	0	1	0
	Sub-Total	907	38	229	308
SOUTHERN REGION	Andhra Pradesh	252	5	31	71
	Karnataka	281	17	51	112
	Kerala	106	1	6	21
	Tamil Nadu	434	70	90	123
	Lakshadweep	3	0	3	0
	Pondicherry	6	1	1	1
	Sub-Total	1082	94	182	328
EASTERN REGION	Bihar	220	5	29	72
	Orissa	108	3	25	40
	West Bengal	291	20	63	92
	A.&N. Islands	1	0	0	0
	Sikkim	8	7	0	0
	Sub-Total	628	35	117	204
NORTH EASTERN REGION	Assam *	80 *	8 *	23 *	26 *
	Manipur	32	16	9	4
	Meghalaya	12	3	3	2
	Nagaland	7	0	3	2
	Tripura	10	2	2	4
	Arunachal Pradesh	6	1	5	0
	Mizoram	6	0	4	1
	Sub-Total	153	30	49	39
	Total (All India)	4029	356	943	1273

* As per 1971 Census. ** Figures for Daman & Diu are included in Goa.

TABLE No. 66 (Contd.)
TOWNS ELECTRIFIED IN VARIOUS POPULATION GROUPS
REGIONWISE/STATEWISE - AS ON 31ST MARCH, 1992

Region	Name of the State / U.T.s	POPULATION GROUPS (1981 CENSUS)			Total No. of Towns electrified
		20,000 to 49,999	50,000 to 99,999	Over 1 Lakh	
NORTHERN REGION	Haryana	15	7	9	81
	Himachal Pradesh	2	1	0	47
	Jammu & Kashmir	5	0	2	58
	Punjab	27	10	7	134
	Rajasthan	55	10	11	201
	Uttar Pradesh	98	38	30	704
	Chandigarh	1	0	1	4
Delhi	5	4	2	30	
	Sub-Total	208	70	62	1259
WESTERN REGION	Gujarat	57	27	11	255
	Madhya Pradesh	48	27	14	327
	Maharashtra	89	25	29	307
	Goa, Daman & Diu **	2	3	0	17
	D.&N. Haveli	0	0	0	1
	Sub-Total	196	82	54	907
SOUTHERN REGION	Andhra Pradesh	91	33	21	252
	Karnataka	71	16	14	281
	Kerala	64	8	6	106
	Tamil Nadu	89	41	21	434
	Lakshadweep	0	0	0	3
	Pondicherry	1	1	1	6
	Sub-Total	316	99	63	1082
EASTERN REGION	Bihar	75	25	14	220
	Orissa	26	8	6	108
	West Bengal	52	40	24	291
	A.&N. Islands	1	0	0	1
	Sikkim	1	0	0	8
	Sub-Total	155	73	44	628
NORTH EASTERN REGION	Assam	9 *	5 *	1 *	80 (72)*
	Manipur	2	0	1	32
	Meghalaya	3	0	1	12
	Nagaland	2	0	0	7
	Tripura	1	0	1	10
	Arunachal Pradesh	0	0	0	6
	Mizoram	0	1	0	6
	Sub-Total	17	6	4	153
	Total (All India)	892	330	227	4029

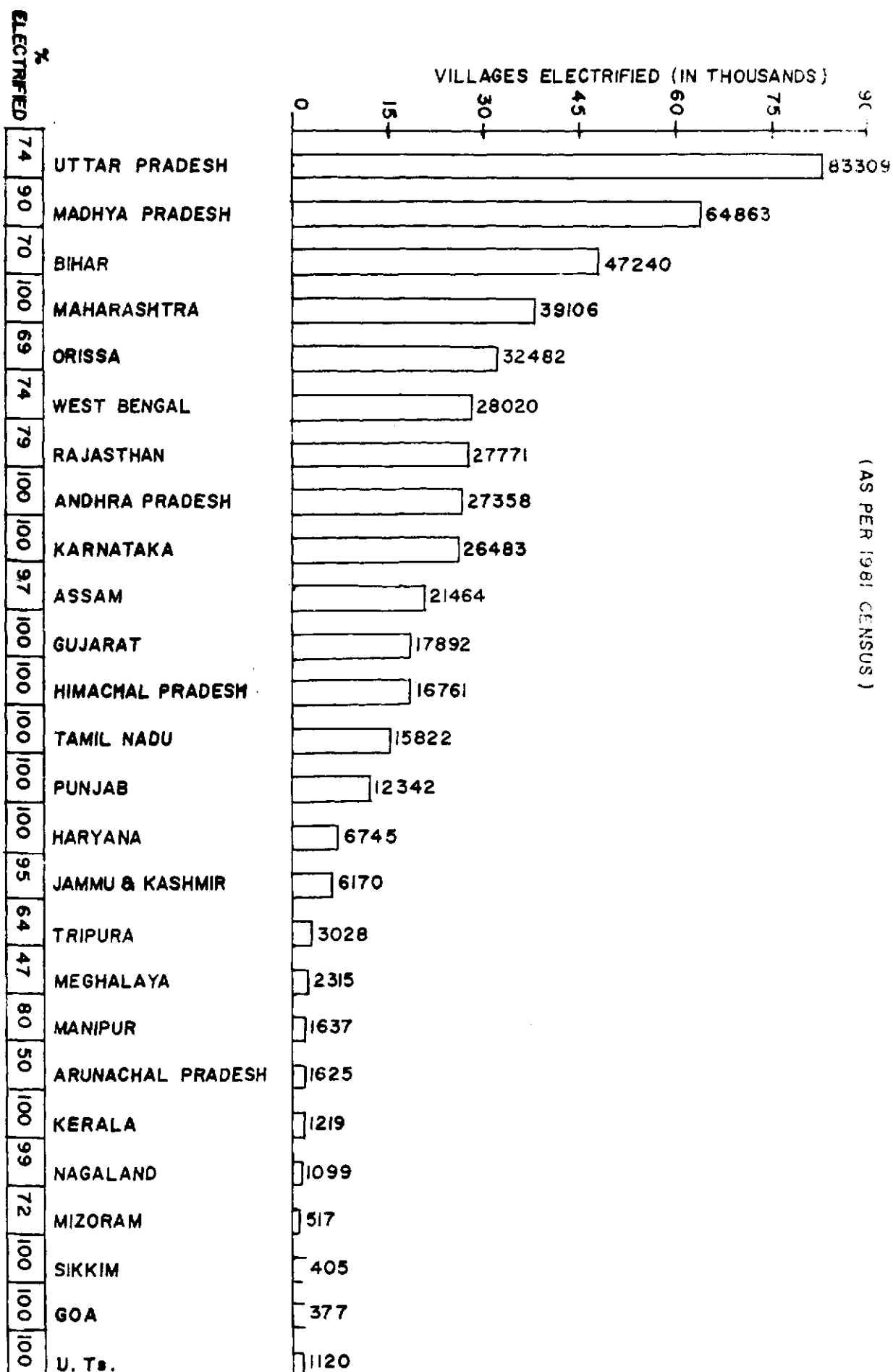
* As per 1971 Census. ** Figures for Daman & Diu are included in Goa.
Source: Statistical Abstract- 1990 India.

TABLE No. 67

VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS (1981 CENSUS)
AND RURAL POPULATION BENEFITTED BY ELECTRICITY REGIONWISE/STATEWISE
AS ON 31ST MARCH, 1992.

Region	Name of the State / U.T.s	Total No. of Villages	Villages Electrified in Various Population Groups		
			Below 500	500 to 999	1000 to 1999
NORTHERN REGION	Haryana	6745	1499	1776	1883
	Himachal Pradesh	16807	15062	1241	363
	Jammu & Kashmir (+)	6477	3614	1560	763
	Punjab	12342	4434	3712	2819
	Rajasthan	34968	12369	7716	5107
	Uttar Pradesh (+)	112566	37937	22982	15401
	Chandigarh	24	6	6	5
	Delhi	214	18	36	73
	Sub-Total	190143	74939	39029	26414
WESTERN REGION	Gujarat	18114	4636	4956	5108
	Madhya Pradesh	71352	41644	16088	5947
	Maharashtra	39354	13571	12300	8940
	Goa	386	111	54	95
	Daman & Diu	26	9	2	7
	D.&N. Haveli	70	14	16	27
	Sub-Total	129302	59785	33416	20124
SOUTHERN REGION	Andhra Pradesh	27379	8837	5227	6464
	Karnataka	27028	10809	7321	5219
	Kerala	1219	5	2	13
	Tamil Nadu	15831	2524	3169	4568
	Lakshadweep	7	1	0	1
	Pondicherry	291	126	83	52
	Sub-Total	71755	22302	15802	16317
EASTERN REGION	Bihar (+)	67546	22250	11903	7992
	Orissa	46553	20204	8093	3358
	West Bengal (+)	38024	9874	7810	6022
	A.&N. Islands	491	406	54	23
	Sikkim	440	202	136	59
	Sub-Total	153054	52936	27996	17454
NORTH EASTERN REGION	Assam	21995	10159	5786	2971
	Manipur (+)	2035	1133	245	170
	Meghalaya	4902	1934	272	85
	Nagaland	1112	668	239	143
	Tripura (4727)*	856	2278	458	222
	Arunachal Pradesh (+)	3257	1400	146	62
	Mizoram (+)	721	317	120	50
	Sub-Total	34878	17889	7266	3703
	Total (All India)	579132	227851	123509	84012

* As per 1971 Census.
(+) Population groupwise breakup estimated.



VILLAGES ELECTRIFIED AS ON 31-3-1982

(AS PER 1981 CENSUS)

TABLE No. 67 (Contd.)

VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS (1981 CENSUS)
AND RURAL POPULATION BENEFITTED BY ELECTRICITY REGIONWISE/STATEWISE
AS ON 31ST MARCH, 1992.

Region	Name of the State / U.T.s	Total electrified as on 31.3.92	Villages Electrified in Various Population Group		
			2000 to 4999	5000 to 9999	10,000 & above.
NORTHERN REGION	Haryana	6745	1346	221	20
	Himachal Pradesh	16761 ++	92	3	0
	Jammu & Kashmir	6170	223	10	0
	Punjab	12342	1256	120	1
	Rajasthan	27771	2252	309	18
	Uttar Pradesh	83309	6237	700	52
	Chandigarh	24	7	0	0
	Delhi	214	72	15	0
	Sub-Total	153336	11485	1378	91
WESTERN REGION	Gujarat	17892 ++	2725	418	49
	Madhya Pradesh	64863	1291	89	4
	Maharashtra	39106 ++	3600	579	116
	Goa	377 ++	85	31	1
	Daman & Diu	26	5	3	0
	D.&N. Haveli	67	7	3	0
		Sub-Total	122331	7713	1123
SOUTHERN REGION	Andhra Pradesh	27358 ++	5609	1058	163
	Karnataka	26483 ++	2709	393	32
	Kerala	1219	72	222	905
	Tamil Nadu	15822	4379	1000	182
	Lakshadweep	7	4	1	0
	Pondicherry	291	24	6	0
	Sub-Total	71180	12797	2680	1282
EASTERN REGION	Bihar	47240	4075	850	170
	Orissa	32482	803	22	2
	West Bengal	28020	3550	682	82
	A.&N. Islands	491	8	0	0
	Sikkim	405 +	8	0	0
	Sub-Total	108638	8444	1554	254
NORTH EASTERN REGION	Assam	21464 *	730	26	0
	Manipur	1637	80	9	0
	Meghalaya	2315	24	0	0
	Nagaland	1099	41	7	1
	Tripura	3028 *	69	1	0
	Arunachal Pradesh	1625	15	2	0
	Mizoram	517	30	0	0
	Sub-Total	31685	989	45	1
	Total (All India)	487170	41428	6780	1798

* As per 1971 Census. + Population groupwise breakup estimated.
++ Balance villages non-feasible.

TABLE No. 67 (Contd.)

VILLAGES ELECTRIFIED IN VARIOUS POPULATION GROUPS (1981 CENSUS)
AND RURAL POPULATION BENEFITTED BY ELECTRICITY REGIONWISE/STATEWISE
AS ON 31ST MARCH, 1992.

Region	Name of the State / U.T.s	% age electrified	Villages electrified during 1991-92	Total Population (Lakhs) 1981 Census	Rural Population covered (Lakhs) 1981 Census	% Population covered 1981 Census.
SOUTHERN REGION	Haryana	100.00	0	100.95	100.95	100.00
	Himachal Pradesh	100.00	0	39.55	39.55	100.00
	Jammu & Kashmir	95.30	17	47.27	25.89 (a)	54.80
	Punjab	100.00	0	121.41	121.41	100.00
	Rajasthan	79.40	754	270.51	249.00 **	92.00
	Uttar Pradesh	74.00	744	909.63	824.14	90.60
	Chandigarh	100.00	0	0.29	0.29	100.00
	Delhi	100.00	0	4.52	4.52	100.00
	Sub-Total	80.60	1515	1494.13	1365.75	91.40
WESTERN REGION	Gujarat	100.00	0	234.84	234.84	100.00
	Madhya Pradesh	90.90	1856	415.92	319.62 *	76.90
	Maharashtra	100.00	0	407.91	407.91	100.00
	Goa	100.00	0	6.85	6.85	100.00
	Daman & Diu	100.00	0	0.50	0.50	100.00
	D.&N. Haveli	100.00	0	0.97	0.97	100.00
	Sub-Total	94.60	1856	1066.99	970.69	91.00
SOUTHERN REGION	Andhra Pradesh	100.00	0	410.62	410.62	100.00
	Karnataka	100.00	0	264.06	264.06	100.00
	Kerala	100.00	0	206.82	206.82	100.00
	Tamil Nadu	99.90	7	324.56	324.56	100.00
	Lakshadweep	100.00	0	0.22	0.22	100.00
	Pondicherry	100.00	0	2.88	2.88	100.00
	Sub-Total	99.20	7	1209.16	1209.16	100.00
EASTERN REGION	Bihar	69.90	517	611.96	224.90 (b)	36.80
	Orissa	69.80	1011	232.60	189.94 (e)	81.70
	West Bengal	73.70	436	401.34	352.75	87.90
	A.&N. Islands	100.00	0	1.39	1.39	100.00
	Sikkim	92.00	0	2.65	2.65	100.00
	Sub-Total	71.00	1964	1249.94	771.63	61.70
NORTH EASTERN REGION	Assam	97.60	120	178.50	120.83 (d)	67.70
	Manipur	80.40	150	10.46	7.10 (e)	67.90
	Meghalaya	47.20	44	10.94	6.92 (f)	63.30
	Nagaland	98.80	0	6.55	6.53 (f)	99.70
	Tripura	64.10	200	18.28	12.37	67.70
	Arunachal Pradesh	49.90	130	5.90	2.00 (c)	33.00
	Mizoram	71.70	60	3.72	2.79 (g)	75.00
	Sub-Total	90.80	704	234.35	158.54	67.70
	Total (All India)	84.10	6046	5254.57	4475.77	85.20

* As per 1971 Census.

0 Centpercent villages electrified.

** Provisional

(a) as on 31.12.79

(e) as on 31.3.89

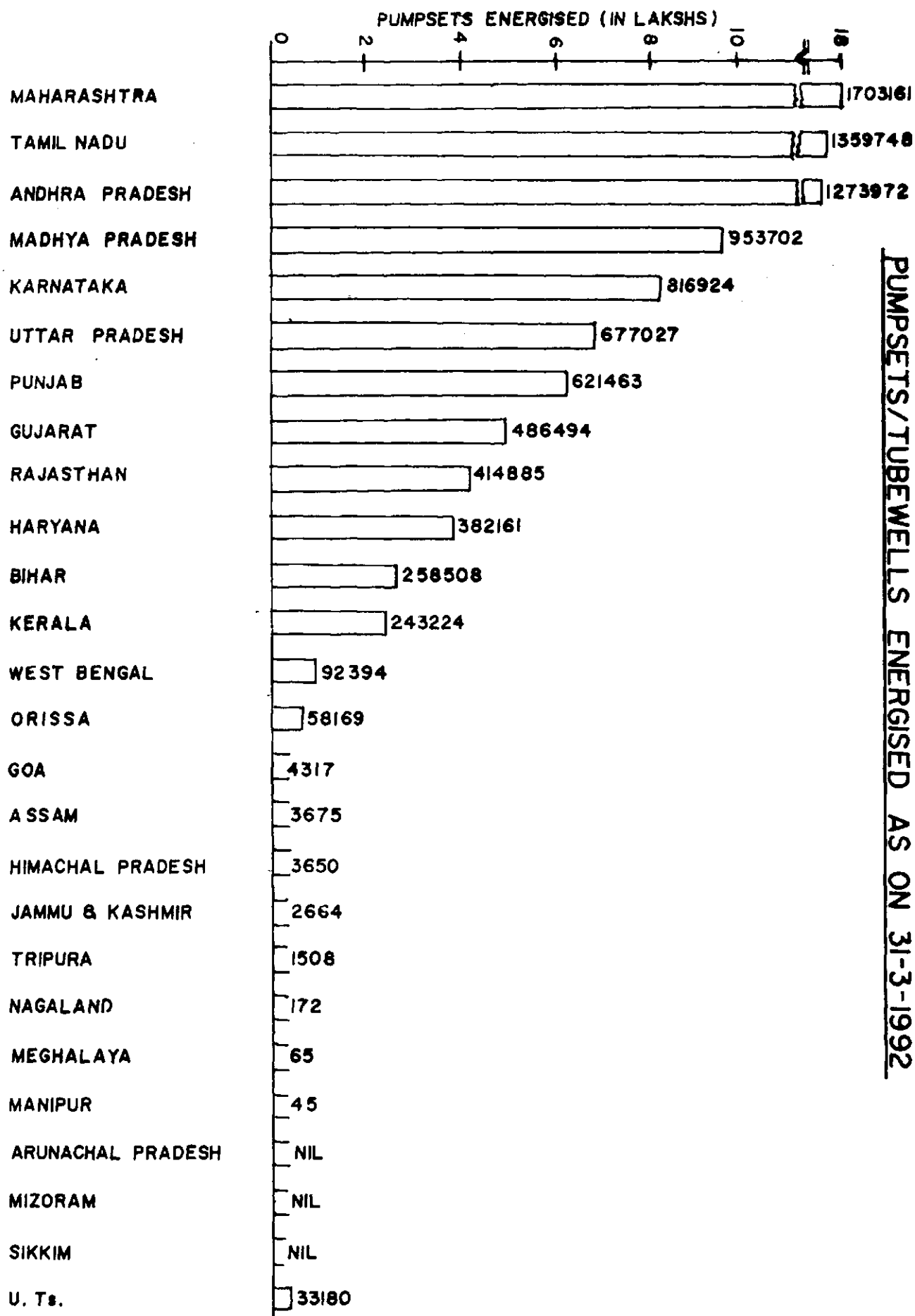
(b) as on 30.4.80

(f) as on 31.3.91

(c) as on 31.3.85

(g) as on 31.7.91

(d) as on 31.3.88



PUMPSETS/TUBEWELLS ENERGISED AS ON 31-3-1992

TABLE No. 6B
IRRIGATION PUMPSETS/TUBEWELLS ENERGISED-REGIONWISE/STATEWISE
AS ON 31ST MARCH, 1992

Region	Name of the State / U.T.s	No. of pumpsets energised	AGRICULTURAL CONSUMPTION	
			Quantum (GWH)	% to total in the State
NORTHERN REGION	Haryana	382161	3535.49	49.53
	Himachal Pradesh	3650	29.80	2.76
	Jammu & Kashmir	2664	150.32	10.16
	Punjab	621463	5543.18	44.27
	Rajasthan	414885	2985.41	30.69
	Uttar Pradesh	677027	8229.49	39.38
	Chandigarh	623	1.68	0.38
	Delhi	21874	45.00	0.64
	Sub-Total	2124347	20520.37	34.02
WESTERN REGION	Gujarat	486494	6976.58	36.85
	Madhya Pradesh	953702	3405.74	22.67
	Maharashtra	1703161	8406.46	25.20
	Goa	4317	17.61	3.33
	Daman & Diu	664	1.33	1.69
	D.&N. Haveli	416	0.59	0.40
	Sub-Total	3148754	18808.31	27.63
SOUTHERN REGION	Andhra Pradesh	1273972	7218.94	40.25
	Karnataka	816924	4558.63	36.37
	Kerala	243224	224.13	4.05
	Tamil Nadu	1359748	4509.84	25.49
	Pondicherry	9602	84.49	13.81
	Lakshadweep	0	0.00	0.00
	Sub-Total	3703470	16596.03	30.55
EASTERN REGION	Bihar	258508	1644.11	21.72
	Orissa	58169	271.49	4.83
	West Bengal	92394	651.86	6.96
	A.&N. Islands	1	0.00	0.00
	Sikkim	0	0.00	0.00
	Sub-Total	409072	2567.46	11.34
NORTH EASTERN REGION	Assam	3675	35.92	2.34
	Manipur	45	3.96	2.00
	Meghalaya	65	1.50	0.67
	Nagaland	172	0.00	0.00
	Tripura	1508	23.62	17.02
	Arunachal Pradesh	0	0.00	0.00
	Mizoram	0	0.00	0.00
	Sub-Total	5465	65.00	2.84
	Total (All India)	9391108	58557.17	28.20

TABLE No. 68
IRRIGATION PUMPSETS/TUBEWELLS ENERGISED-REGIONWISE/STATEWISE
AS ON 31ST MARCH, 1992

Region	Name of the State / U.T.s	Agricultural connected load (KW)	Average Capacity per pumpset (KW)	Average Consumption per pump set (KWH)	Consumption per unit of connected load (KWH/KW)
NORTHERN REGION	Haryana	1766185	4.62	9251	2002
	Himachal Pradesh	40721	11.15	8164	732
	Jammu & Kashmir (R)	32933	12.36	56426	4565
	Punjab	2106821	3.39	8920	2631
	Rajasthan	1904901	4.59	7195	1567
	Uttar Pradesh	2935476	4.33	1215	2806
	Chandigarh	1588	2.54	2696	1061
	Delhi	76547	3.49	2057	5893
	Sub-Total	8865172	4.17	9659	2316
WESTERN REGION	Gujarat	3346358	6.87	14340	2087
	Madhya Pradesh	2753623	2.88	3571	1239
	Maharashtra	6033174	3.54	4935	1394
	Goa	10901	2.52	4079	1618
	Daman & Diu	2317	3.48	2003	5755
	D.&N. Haveli	1136	2.73	1418	5194
	Sub-Total	12147509	3.85	5973	1551
SOUTHERN REGION	Andhra Pradesh	4220763	0.33	5666	1716
	Karnataka	2940875	3.59	5580	1554
	Kerala	469140	1.92	921	479
	Tamil Nadu	4466061	3.28	3316	1010
	Pondicherry	48079	5.00	8799	1759
	Lakshadweep	0	0.00	0	0
	Sub-Total	12144918	0.33	4481	1357
EASTERN REGION	Bihar	796037	3.07	6359	2071
	Orissa	229376	3.94	4667	1184
	West Bengal	300264	2.48	7055	284
	A.&N. Islands	0	40.00	0	0
	Sikkim	0	0.00	0	0
		Sub-Total	1325677	3.24	6276
NORTH EASTERN REGION	Assam	63420	17.25	9774	566
	Manipur	2506	55.68	88000	158
	Meghalaya	801	12.32	23076	1873
	Nagaland	0	0.00	0	0
	Tripura	12318	8.16	15663	1919
	Arunachal Pradesh	0	0.00	0	0
	Mizoram	0	0.00	0	0
	Sub-Total	79045	14.46	11893	822
	Total (All India)	34562321	3.68	6235	1694

R = Repeated