

सार्वजनिक विद्युत आपूर्ति  
PUBLIC ELECTRICITY SUPPLY

अखिल भारत सांख्यिकी  
ALL INDIA STATISTICS

1996-97

सामान्य अवलोकन  
GENERAL REVIEW



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

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



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

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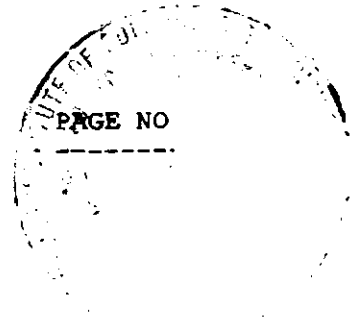
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# FOREWORD

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

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

We would welcome any suggestion for improving the publication.

Dated 17.5.1999

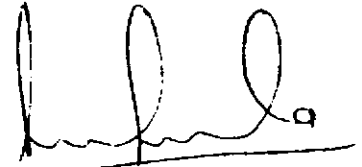


(R.N. SRIVASTAVA)  
CHAIRMAN CEA

# PREFACE

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

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



**(K. N. SINHA)**  
**MEMBER (PLANNING)**

# INTRODUCTION

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

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



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CHIEF ENGINEER