



सत्यमेव जयते

अखिल भारतीय विद्युत सांख्यिकी All India Electricity Statistics

सामान्य पुनर्विलोकन 2016
(2014-2015 के आंकड़े समाविष्ट)

General Review 2016
(CONTAINING DATA FOR THE YEAR 2014-2015)

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केन्द्रीय विद्युत प्राधिकरण
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अप्रैल 2016

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अध्यक्ष
केंद्रीय विद्युत प्राधिकरण

प्राक्कथन

विद्युत अधिनियम 2003 के प्रावधानों के अनुसार केंद्रीय विद्युत प्राधिकरण द्वारा समय-समय पर देश के विभिन्न क्षेत्रों द्वारा विद्युत उत्पादन, पारेक्षण, ट्रेडिंग, वितरण और उपभोग संबंधी आंकड़े सार्वजनिक किए जाते हैं। “अखिल भारतीय विद्युत सांख्यिकी – सामान्य पुनर्विलोकन” प्रकाशन इस दिशा में एक कदम है।

“अखिल भारतीय विद्युत सांख्यिकी – सामान्य पुनर्विलोकन” के लिए आंकड़े भारतीय विद्युत क्षेत्र की यूटिलिटी और गैर-यूटिलिटी, केंद्रीय विद्युत विनियामक आयोग, निति आयोग, नवीन और नवीकरणीय ऊर्जा स्रोत मंत्रालय और अन्य सरकारी संगठन और विद्युत उपभोक्ताओं की विशिष्ट श्रेणियों से संग्रहित/प्राप्त किए जाते हैं। विद्युत् उत्पादन क्षमता पिछले वर्ष की तुलना में 10.04% बढ़ी है। वर्ष 2014-15 में कुल विद्युत् उर्जा उत्पादन, जिसमें कैप्टिव प्लांट भी शामिल हैं, पिछले वर्ष की तुलना में 8.78% बढ़ी है। देश में विद्युत् उत्पादन बढ़ाकर सभी को विश्वसनीय और अच्छी गुणवत्ता प्रदान करने के लिए कई कदम उठाए गए हैं। उन सभी यूटिलिटिया/संगठनों के सहयोग के प्रति आभार प्रकट किया जाता है जिन्होंने समय पर अपेक्षित सूचना प्रस्तुत की। विद्युत क्षेत्र के वे सभी संगठन जिन्होंने समय पर सूचना प्रस्तुत की और विशेषकर वे जिन्होंने समय पर सूचना प्रस्तुत नहीं की, सभी से अनुरोध है कि वे निर्धारित अवधि के भीतर पूर्ण आंकड़े/सूचना उपलब्ध कराकर इस प्रकाशन के अगले अंक को यथासमय प्रकाशित करने के हमारे प्रयास को सुदृढ़ करें।

मुझे आशा है कि “अखिल भारतीय विद्युत सांख्यिकी सामान्य पुनर्विलोकन 2016” भारत के विद्युत क्षेत्र के विकास में शामिल सभी अंशदायकों की अपेक्षाओं को पूरी करेगा।

अप्रैल, 2016

मेजर सिंह
(मेजर सिंह)



Major Singh
Chairperson
Central Electricity Authority

FOREWORD

In fulfilment of its statutory obligations under the Electricity Act, 2003, Central Electricity Authority makes public from time to time, the Statistics concerning generation, transmission, trading, distribution and utilization of electricity by different sectors in the country. The publication “All India Electricity Statistics - General Review” is a step in this direction.

The data for this publication is collected /obtained from Utilities & Non-Utilities of the Indian Electricity Sector, Central Electricity Regulatory Commission, erstwhile Planning Commission (now NITI Aayog), Ministry of New and Renewable Energy Sources and other formations of Government and specific categories of electricity consumers. The installed generation capacity has increased by 10.04% over the previous year. The total electricity produced in the country including that from captive plants during the year 2014-15 has registered a growth of 8.78% over the previous year. A number of initiatives have been taken to increase power generation in the country in order to provide reliable and quality power to all. The cooperation of all utilities/organizations who have timely furnished the requisite information is gratefully acknowledged. All the organizations in the power sector who furnished the information and especially those who did not furnish the information on time are requested to strengthen our endeavour in bringing out next issue of this publication in time by providing complete data/information within the stipulated period.

I hope that “All India Electricity Statistics - General Review 2016” shall fulfill the expectations of all stakeholders who are involved in the development of electricity sector in India.

April, 2016


(MAJOR SINGH)



प्रहलाद
मुख्य अभियंता (पी.डी.एम.)
केंद्रीय विद्युत प्राधिकरण

आभार

इस प्रकाशन 'सामान्य पुनर्विलोकन-2016' में विभिन्न क्षेत्रों/श्रेणियों द्वारा विद्युत के उत्पादन, पारेषण, संवितरण और खपत से संबंधित देशव्यापी आंकड़े अंतर्निहित हैं। इस प्रकाशन के लिए आंकड़े सरकारी और निजी दोनों क्षेत्रों में विद्युत क्षेत्र की यूटिलिटियों, विद्युत विभाग और भारत की गैर-यूटिलिटियों और विशिष्ट श्रेणी के उपभोक्ताओं से एकत्रित किए गए हैं। विश्वसनीय आंकड़ों की उपलब्धता विद्युत के विभिन्न क्षेत्रों में निर्णय करने को सुगम बनाने के लिए विभिन्न संकेतकों को तैयार करने के लिए एक महत्वपूर्ण इनपुट है। संगठनों की बड़ी संख्या के कारण आंकड़ा संग्रहण का कार्य निश्चय ही बहुत जटिल हो गया है। योजनाओं और नीति निर्माण में पारस्परिक लाभ के लिए सभी प्रकार के आंकड़ों के प्रबंधन के कार्य राज्यों में एक केंद्रीय आंकड़ा पूलिंग और प्रकाशन संगठन के होने से यह संकलन भली-भांति किया जा सकेगा।

आंकड़ों का यह संकलन सभी यूटिलिटियों, संगठनों के सक्रिय सहयोग का ही परिणाम है जिन्होंने अपेक्षित जानकारी को उपलब्ध कराया और उनके इस योगदान के लिए हम हार्दिक आभार प्रकट करते हैं। श्री मेजर सिंह, अध्यक्ष, के.वि.प्रा. ने इस पुनर्विलोकन की तैयारी में गहरी रुचि ली और हमारा महत्वपूर्ण मार्ग दर्शन किया।

पी.डी.एम. प्रभाग के अधिकारियों ने इस प्रकाशन के आंकड़ों के संकलन के लिए अपनी निरंतर निगरानी के माध्यम से असाधारण प्रयास किया है। श्री सतबीर सिंह, निदेशक; श्री अंजुम परवेज, उप निदेशक; श्री सुमीत कुमार, सहायक निदेशक एवं श्री डी.सी. उबराल, सांख्यिकी सहायक द्वारा दिए गए योगदान के लिए मैं उनका आभार प्रकट करता हूँ। इस प्रकाशन को जारी किए जाने में श्री यू.के. गुप्ता एवं श्री आर.आर. शर्मा, वरिष्ठ सांख्यिकी अधिकारी ने प्रशासनिक सहयोग एवं श्री दीपक कुमार शर्मा, निजी सचिव ने सचिवालयी सहायता प्रदान की। इस पुनर्विलोकन को तैयार करने में क्षेत्रीय विद्युत सर्वेक्षण कार्यालयों (आर.पी.एस.ओ.), के.वि.प्रा द्वारा महत्वपूर्ण इनपुट प्रदान किए गए।

इस पुनर्विलोकन में विद्युत क्षेत्र के आंकड़ों को समाविष्ट करने और इनकी विशुद्धता को बनाए रखने के लिए हर संभव प्रयास किए गए हैं। इस पुनर्विलोकन में यदि कोई विसंगति पाई जाती है तो इसे कृपया हमारे ध्यान में लाया जाए जिसके लिए हम आपके आभारी रहेंगे।

अप्रैल, 2016



(प्रहलाद)



Prahlad
Chief Engineer (PDM)
Central Electricity Authority

ACKNOWLEDGEMENT

This publication “General Review 2016” contains countrywide statistics relating to generation, transmission, distribution and consumption of electricity by different sectors/categories. The data for this publication are collected from Utilities of Electricity Sector in public and private sectors, Electricity Departments and Non-Utilities of India and specific category consumers. The availability of reliable data is an important input to work out various indicators for facilitation of decision making in various sectors of electricity. With large number of organizations, the work of data collection has indeed become very complex. States would be well served in having a central data pooling and publishing organization for management of all the data for the mutual benefit in planning and policy making.

This compilation is a result of active co-operation of all utilities/organizations, who have furnished the requisite information and their contribution is sincerely acknowledged. Shri Major Singh, Chairperson, CEA took keen interest and guided valuably in preparation of this review.

The Officers of PDM Division had to put extraordinary efforts in compilation of this publication through constant follow-up for data collection. The contribution made by Shri Satbir Singh, Director; Shri Anzum Parwej, Deputy Director; Shri Sumeet Kumar, Assistant Director and Shri D.C. Dabral, Statistical Assistant is gratefully acknowledged. Shri U.K. Gupta, Sr. Statistical Officer provided administrative support and Shri Deepak Kumar Sharma, PS rendered secretarial assistance in bringing out this publication. The vital inputs provided by Regional Power Survey Offices (RPSOs) of CEA for preparation of this Review are acknowledged with thanks.

All efforts have been made to incorporate the data on electricity sector and maintain accuracy. Any discrepancy, if noticed in this review, may be brought to our notice which will be gratefully acknowledged.

April, 2016


(PRAHLAD)

GLOSSARY

Containing Definitions, Expansion of Abbreviations

A & W	As & When
APPGCL	Andhra Pradesh Power Generation Corporation Limited
APTRANSCO	Power Transmission Corporation of Andhra Pradesh
BBMB	Bhakra Beas Management Board
CCGT	Combine Cycle Gas Turbine
Ckt.Kms.	Circuit kilometers
CSP	Central Sector Project
Deptt.	Department
DVC	Damodar Valley Corporation
E	Estimated
ER	Eastern Region
GRIDCO	Grid Corporation of Orissa Limited
GWh	Giga Watt Hour (equivalent to 1 Million unit of Electrical Energy)
HPGCL	Haryana Power Generation Corporation Limited
HV	High Voltage
HVPL	Haryana Vidyut Prasaran Nigam Limited
IPGCL	Indra Prastha Generation Corporation Limited
KL	Kilo Litre
KPTCL	Karnataka Power Transmission Corporation Limited
kV	Kilo Volt
kVA	Kilo Volt Ampere
kW	Kilo Watt
kWh	Kilo Watt Hour
LSHS	Low Sulphur Heavy Stock
LV	Low Voltage
MMSCM	Million Metric Standard Cubic Metre
MPPGCL	Madhya Pradesh Power Generation Corporation Limited
MPPTCL	Madhya Pradesh Power Transmission Corporation Limited
MT	Metric Tonne
MV	Medium Voltage
MVA	Mega Volt Ampere
MW	Mega Watt(equivalent to 1000 Kilo Watt)
NA	Not Available
NEEPCO	North Eastern Electric Power Corporation Limited
NER	North- Eastern Region
NHDC	Narmada Hydro Development Corporation Limited
NHPC	National Hydro Electric Power Corporation Limited
NON-UTILITIES	Non-Utilities shall mean captive generating plant which means a power plant set up by any person to generate electricity primarily for own use and includes power plant set up by any Co-Operative society or association of persons for generating electricity primarily for use of members of such Co-Operative society or association.

NPCIL	Nuclear Power Corporation of India Limited
NR	Northern Region
NTPC	National Thermal Power Corporation
OH	Over Head
OHPCL	Orissa Hydro Power Corporation Limited
OP	Off Peak
OPGCL	Orissa Power Generation Corporation Limited
OPTCL	Orissa Power Transmission Corporation Limited
P	Peak
PDC	Power Development Corporation
PPCL	Pragati Power Corporation Limited
PTCUL	Power Transmission Corporation of Uttarakhand Limited
R	Repeated
RES	Renewable Energy Sources (Includes Electric Generation due to (a) Wind (b) Bio-Mass Power (c) Solar Power (d) Urban & Industrial Wastes & (e) Small Hydro Power Projects of capacity less than or equal to 25 MW.
RRVUNL	Rajasthan Rajya Vidyut Utpadam Nigam Limited
RTC	Round the Clock
RVPNL	Rajasthan Rajya Vidyut Prasaran Nigam Limited
SEB	State Electricity Board
SJVNL	Satluj Jal Vidyut Nigam Limited
SR	Southern Region
SSNNL	Sardar Sarovar Narmada Nigam Limited
STPS	Super Thermal Power Station
THDCIL	Tehri Hydro Development Corporation of India Ltd.
UG	Under Ground
Utg.	Undertaking
UJVNL	Uttaranchal Jal Vidyut Nigam Limited
UN	United Nations
UPCL	Uttarakhand Power Corporation Limited
UPJVUNL	Uttar Pradesh Jal Vidyut Utpadam Nigam Limited
UPPCL	Uttar Pradesh Power Corporation Limited
UPRVUNL	Uttar Pradesh Rajya Vidyut Utpadam Nigam Limited
UT	Union Territory
UTILITIES	Utility means the electric lines or electrical plant, and includes all lands, buildings, works & materials attached thereto belonging to any person acting as a generating company or licensee under the provisions of the Electricity Act, 2003.
VNLL	Vishwesharaiyah Vidyut Nigam Limited
WBPDCL	West Bengal Power Development Corporation Limited
WR	Western Region
The expansion of other abbreviations are given at the various tables of the publication wherever required.	

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