सत्यमेव जयते

अखिल भारतीय विद्युत सांख्यिकी

All India Electricity Statistics

सामान्य पुनर्विलोकन 2025

(2023-24 के आंकड़े समाविष्ट)

General Review 2025

(Containing Data for the Year 2023-24)

भारत सरकार
विद्युत मंत्रालय
केंद्रीय विद्युत प्राधिकरण
नई दिल्ली
नवंबर 2025

Government of India

Ministry of Power

Central Electricity Authority

New Delhi

November 2025

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(Published in fulfilment of CEA's obligation under Section 73(i) & (j) of the Electricity Act 2003)

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Ghanshyam Prasad
Chairperson
Central Electricity Authority
Govt. of India

FOREWORD

In fulfilment of its statutory obligations under the Electricity Act, 2003, Central Electricity Authority publishes the statistics related to generation, transmission, trading, distribution and utilization of electricity by different sectors in the country on annual basis. The publication **"All India Electricity Statistics - General Review 2025"** is a step in this direction. The information contained in this publication would be useful in working out the various growth rates and consumption trends to facilitate future planning both at Central and State level. It also helps for assessment of the achievement of various sectors of electricity in the country.

The data for this publication has been collected from various organizations of the Indian Electricity Sector. The report contains a wealth of data, including Installed capacity, Electrical Energy Generation, Transmission and Distribution Network capacity, Captive Power Plants and Electricity Consumption etc. It contains data on various categories of Electricity Consumption like domestic, agriculture, industrial power, street lighting, water pumping schemes, traction etc., and also details about the number of consumers and the connected load.

As per the available data, the installed capacity including captive plants during the year 2023-24 has increased by 5.75 % over the previous year and the total electricity generated in the country including that from captive plants during the year 2023-24 has registered a growth of 7.02 % over the previous year. The share of renewable energy resources (Utilities and non-utilities) (excluding Hydro above 25MW) in total installed capacity has increased from 26.74% to 29.18% and the share of generation from these sources in total generation has increased from 11.60 % to 11.98 % in the country during the year 2023-24.

The cooperation of all utilities/ organizations who have furnished the requisite information, making this publication possible, is gratefully acknowledged. I hope that "All India Electricity Statistics - General Review 2025" will fulfill the expectations of all stakeholders who are involved in the development of electricity sector in India.

November, 2025

(GHANSHYAM PRASAD)

सत्यमेव जयते

घनश्याम प्रसाद
अध्यक्ष
केंद्रीय विद्युत प्राधिकरण
भारत सरकार

प्राक्कथन

विद्युत अधिनियम 2003 के प्रावधानों के अनुसार केंद्रीय विद्युत प्राधिकरण द्वारा पर देश के विभिन्न क्षेत्रों द्वारा विद्युत उत्पादन, पारेषण, ट्रेडिंग, वितरण और उपभोग संबंधी वार्षिक आधार पर आंकड़े सार्वजनिक किए जाते हैं। "अखिल भारतीय विद्युत सांख्यिकी - सामान्य पुनर्विलोकन 2025" का प्रकाशन इस दिशा में एक कदम है। इस प्रकाशन में शामिल सूचना, देश में विभिन्न विकास दरों और उपभोग रूझानों के आकलन में उपयोगी होगी, जिससे केंद्र और राज्य दोनों स्तरों पर भावी योजनायें बनाने में आसानी होगी । इससे देश में विद्युत के विभिन्न क्षेत्रों की उपलब्धियो का आकलन करने में भी मदद मिलती है।

"अखिल भारतीय विद्युत सांख्यिकी - सामान्य पुनर्विलोकन" के लिए आंकड़े भारतीय विद्युत क्षेत्र के विभिन्न संगठनों से संग्रहित किये गये हैं। इस रिपोर्ट में प्रचुर मात्रा में डेटा शामिल है, जिसमें स्थापित क्षमता, विद्युत ऊर्जा उत्पादन, ट्रांसमिशन और वितरण नेटवर्क क्षमता, कैप्टिव पावर प्लांट और बिजली की खपत आदि शामिल हैं। इसमें विद्युत उपभोग की भिन्न श्रेणियों जैसे घरेलू, कृषि, औद्योगिक विद्युत, स्ट्रीट लाईट, जल पंपिंग की योजनाएं, ट्रेक्शन इत्यादि संबंधी आंकड़े और उपभोक्ताओं की संख्या तथा संबद्ध लोड के ब्यौरे भी शामिल हैं।

उपलब्ध आंकड़ों के अनुसार, वर्ष 2023-24 के दौरान विद्युत उत्पादन क्षमता पिछले वर्ष की तुलना में 5.75% बढ़ी हैं और इस वर्ष कुल विद्युत उर्जा उत्पादन, जिसमें कैप्टिव प्लांट भी शामिल हैं, पिछले वर्ष की तुलना में 7.02 % बढ़ा हैं। वर्ष 2023-24 के दौरान, देश में कुल स्थापित विद्युत उत्पादन क्षमता में, अक्षय ऊर्जा स्रोतों (यूटिलिटि और गैर यूटिलिटि) (25 मेगावाट से अधिक जल विद्युत को छोड़कर) की स्थापित क्षमता की हिस्सेदारी 26.74% से बढ़कर 29.18 % रही और इन स्त्रोतों से उत्पादन की हिस्सेदारी, कुल विद्युत उत्पादन में 11.60 % से बढ़कर 11.98 % रही हैं ।

मैं उन सभी यूटिलिटियों /संगठनों के सहयोग के लिए, उनके प्रति आभार प्रकट करता हूँ, जिन्होंने समय पर अपेक्षित सूचना प्रस्तुत करके इस प्रकाशन को सम्भव बनाया | मुझे आशा है कि "अखिल भारतीय विद्युत सांख्यिकी सामान्य पुनर्विलोकन 2025" भारत के, विद्युत क्षेत्र के विकास में शामिल सभी हितधारकों की अपेक्षाओं को पूरी करेगा।

नवम्बर, 2025

(घनश्याम प्रसाद)

सत्यमेव जयते

Balan Alagarsamy
Member (Planning)
Central Electricity Authority

PREFACE

Collection, analysis and compilation of annual All India Electricity Statistics has been an important task being accomplished by Central Electricity Authority (CEA) in fulfillment of its obligation under the Electricity Act, 2003. The "All India Electricity Statistics-General Review 2025" incorporates important statistics/ data on installed capacity, electric energy generation and utilization of electric energy along with the transmission and distribution losses, per capita consumption. This publication also contain energy utilization by various categories of electricity consumers like domestic, commercial, irrigation, industries (LV /MV, HV /EHV), public lighting, public water works, etc. Data pertaining to utility sources and Captive Power Plants in Industries having demand of 0.5 MW and above have also been included in the Report. The State wise/ Sector wise/ Category wise/ Mode wise data is compiled in the form of Tables, Charts/Graphs and write-up to convey the information in a clear manner to all its users.

The non-availability of complete data/information in respect of certain utilities for the FY 2023-24 is a major constraint and so I request the Power Utilities to provide the requisite input data on priority and in timely manner so that "All India Electricity Statistics-General Review" could be finalized in time.

The "All India Electricity Statistics- General Review 2025" containing data for FY 2023-24 has been compiled based on the data/information received from Power Utilities and Captive Power Plants. I am sure that the information contained in the publication shall be of immense value to all those associated with Power Sector of India for the planning of their activities. The comments/observations/ suggestions for improvement of this publication would be welcome and the same would be taken care of in our next issue of the report "All India Electricity Statistics-General Review".

November, 2025

(BALAN ALAGARSAMY)

सत्यमेव जयते

बालन अलगरसामी
सदस्य (योजना)
केंद्रीय विद्युत प्राधिकरण

प्रस्तावना

वार्षिक अखिल भारतीय विद्युत सांख्यिकी का संग्रह, विश्लेषण और संकलन विद्युत अधिनियम, 2003 के तहत अपने दायित्व को पूरा करने में केंद्रीय विद्युत प्राधिकरण (सीईए) द्वारा पूरा किया जाने वाला एक महत्वपूर्ण कार्य है। "अखिल भारतीय विद्युत सांख्यिकी-सामान्य पुनर्विलोकन 2025" में स्थापित क्षमता, विद्युत ऊर्जा उत्पादन और विद्युत ऊर्जा के उपयोग के साथ-साथ पारेषण और वितरण हानि, प्रति व्यक्ति खपत पर महत्वपूर्ण आंकड़े/डेटा शामिल हैं। इस प्रकाशन में घरेलू, वाणिज्यिक, सिंचाई, उद्योग (एलवी/एमवी, एचवी/ईएचवी), ट्रैक्शन, सार्वजनिक प्रकाश व्यवस्था, सार्वजनिक जल कार्य आदि जैसे बिजली उपभोक्ताओं की विभिन्न श्रेणियों द्वारा ऊर्जा उपयोग भी शामिल है। इस रिपोर्ट में 0.5 मेगावाट और उससे अधिक की मांग वाले उद्योगों में उपयोगिता स्रोतों और कैप्टिव पावर प्लांट से संबंधित डेटा को भी रिपोर्ट में शामिल किया गया है। राज्यवार/क्षेत्रवार/श्रेणीवार/मोडवार डेटा को अपने सभी उपयोगकर्ताओं तक स्पष्ट तरीके से जानकारी पहुंचाने के लिए तालिकाओं, चार्ट/ग्राफ़ और राइट-अप के रूप में संकलित किया जाता है।

वित्त वर्ष 2023-24 के लिए कुछ उपयोगिताओं के संबंध में पूर्ण डेटा/जानकारी की अनुपलब्धता एक बड़ी बाधा है और इसलिए मैं पावर यूटिलिटीज से अनुरोध करता हूं कि वे प्राथमिकता पर और समय पर अपेक्षित इनपुट डेटा प्रदान करें ताकि "अखिल भारतीय विद्युत सांख्यिकी-सामान्य पुनर्विलोकन" को समय पर अंतिम रूप दिया जा सके।

वित्त वर्ष 2023-24 के डेटा वाले "अखिल भारतीय विद्युत सांख्यिकी-सामान्य पुनर्विलोकन-2025" को पावर यूटिलिटीज और कैप्टिव पावर प्लांट्स से प्राप्त डेटा/जानकारी के आधार पर संकलित किया गया है । मुझे विश्वास है कि प्रकाशन में शामिल जानकारी भारत के विद्युत क्षेत्र से जुड़े सभी लोगों के लिए अपनी गतिविधियों की योजना बनाने के लिए अत्यधिक मूल्यवान होगी। इस प्रकाशन में सुधार के लिए टिप्पणियों/ प्रेक्षणों/ सुझावों का स्वागत है और अखिल भारतीय सांख्यिकी-सामान्य पुनर्विलोकन के अगले अंक में इन सुझावों को ध्यान में रखा जाएगा।

नवम्बर, 2025

(बालन अलगरसामी)

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ACKNOWLEDGEMENT

This publication "All India Electricity Statistics- General Review 2025" contains countrywide sectoral and category-wise statistics relating to generation, transmission, distribution and consumption of electricity in the country. The All India Electricity Statistics is published by CEA on annual basis in fulfillment of its obligation under the Electricity Act, 2003. The data for this publication are collected from various Power Utilities in public and private sector, Electricity Departments and Non-Utilities of India under specific consumer categories. With large number of organizations, the work of data collection, validation and analysis is a time taking activity but done in CEA in an efficient manner.

I would like to thank the officers of PDM&LF Division have put their sincere efforts in compilation/preparation of this publication through constant follow-up with Power Utilities for data collection. The contribution made by Ms. Kiran Meena, Director; Shri Gourav Jausja, Deputy Director; Shri Pooran Chand, Deputy Director; Shri Laxmi Narayan, Assistant Director and Shri Keshav Singh, Assistant Director is gratefully acknowledged. Shri Dhananjay Kumar, Sr. Statistical Officer provided administrative support in bringing out this publication.

This compilation has been possible due to active co-operation of all central, state and private sector Power utilities/Organizations, who have furnished the requisite information in timely manner. All efforts have been made to incorporate the data on electricity sector and maintain accuracy through various analytical checks and data validation by our teams. However, any discrepancy, may be brought to our notice which will be gratefully acknowledged and taken care of in the next issue of "All India Electricity Statistics-General Review".

November, 2025

(IRFAN AHMAD)

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आभार

"अखिल भारतीय विद्युत सांख्यिकी सामान्य पुनर्विलोकन-2025" के इस प्रकाशन में विभिन्न क्षेत्रों/ श्रेणियों द्वारा विद्युत के उत्पादन, पारेषण, संवितरण और खपत से संबंधित देशव्यापी आंकड़े अंतर्निहित हैं। भारतीय विद्युत क्षेत्र के वार्षिक आँकड़े सीईए द्वारा विद्युत अधिनियम, 2003 के तहत अपने दायित्व को पूरा करने में महत्वपूर्ण कार्य रहा है। 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।

पीडीएमएंडएलएफ प्रभाग के अधिकारियों ने डेटा संग्रह के लिए निरंतर अनुवर्ती कार्रवाई के माध्यम से इस प्रकाशन के संकलन में अपने ईमानदार प्रयास किए हैं। श्रीमती किरण मीणा, निदेशक; श्री गौरव जसूजा, उप निदेशक; श्री पूरण चन्द, उप निदेशक; श्री लक्ष्मी नारायण, सहायक निदेशक एवं श्री केशव सिंह, सहायक निदेशक द्वारा दिए गए योगदान के लिए मैं उनका आभार प्रकट करता हूँ। इस प्रकाशन को जारी किए जाने में श्री धनंजय कुमार, वरिष्ठ सांख्यिकी अधिकारी ने प्रशासनिक सहयोग किया है।

यह संकलन सभी केंद्रीय, राज्य और निजी क्षेत्र की विद्युत उपयोगिताओं/संगठनों के सक्रिय सहयोग के कारण संभव हुआ है, जिन्होंने अपेक्षित जानकारी प्रदान की है। विद्युत क्षेत्र के डेटा को शामिल करने और सटीकता बनाए रखने के लिए सभी प्रयास किए गए हैं। यदि इस सामान्य पुनर्विलोकन में कोई विसंगति देखी जाती है, तो उसे हमारे ध्यान में लाया जा सकता है, जिसे विद्युत सांख्यिकी-सामान्य पुनर्विलोकन के अगले अंक में कृतज्ञतापूर्वक स्वीकार किया जाएगा और उस पर ध्यान दिया जाएगा।

नवम्बर, 2025

(इरफ़ान अहमद)

GLOSSARY

(Containing Definitions, Expansion of Abbreviations)

A & W	As & When
APPGCL	Andhra Pradesh Power Generation Corporation Limited
APTRANSCO	Transmission Corporation of Andhra Pradesh Limited
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 (MU) of Electrical Energy)
HPGCL	Haryana Power Generation Corporation Limited
HV	High Voltage
HVPNL	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 Limited
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 Utpadan 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 Utpadan Nigam Limited
UPPCL	Uttar Pradesh Power Corporation Limited
UPRVUNL	Uttar Pradesh Rajya Vidyut Utpadan 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.
VVNL	Vishwesharaiah 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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Chapter 1

Review of Growth of Indian Electricity Sector

In the pre-independence era, the power supply was mainly in the hands of Private Sector that too restricted to the urban areas. Power development in India commenced with the Commissioning of first hydro unit of 130 kW (2x65 kW) generators at Sidrapong in Darjeeling during 1897, followed by first steam driven power plant rated 1000 kW (3x500 HP boilers) two years later at Calcutta in 1899 by CESC.

After independence, with the formation of State Electricity Boards (SEBs) in the various states of the country in the early 50s, a significant step was taken in bringing out systematic growth of power supply industry all over the country. A number of multipurpose hydro projects and installation of thermal and nuclear stations were taken up and thus power generation activity started increasing significantly.

The participation of Central Govt. in power generation programme started with the creation of two generating corporations viz. National Thermal Power Corporation (NTPC) for coal/gas-based capacity addition and National Hydro Power Corporation (NHPC) for Hydro development during the year 1975, which gave a fillip to the growth of power sector in the country. The setting up of Nuclear Power Corporation Ltd. (NPCIL) started the addition of nuclear based Capacity. In transmission Sector, Power Grid Corporation of India Ltd. (PGCIL) gave further boost to the power development programme. The Central Government has historically played a leading role in providing for energy needs of the nation.

Introduction of Electricity Act-2003

To liberalize the development of power sector, the Government brought Electricity Act-2003 into force in June, 2003. It replaced the three existing legislations namely, Indian Electricity Act 1910, the Electricity (Supply) Act 1948 and Electricity Regulatory Commission Act, 1998.

Further, the Electricity Act-2003 consolidates laws relating to generation, transmission, distribution, trading and use of electricity. It provides measures conducive to development of electricity industry, promoting competition therein, protecting interest of consumers and supply of electricity to all areas, rationalization of electricity tariff, ensuring transparent policies regarding subsidies, promotion of efficient and environmentally benign policies,

constitution of Central Electricity Authority, Regulatory Commissions and establishment of Appellate Tribunal and for matters connected therewith or incidental thereto

The Electricity Act-2003 spurred the electricity growth due to introduction of some major aspects as follows:

a) **Increased competition:** The Act removed the need for government approval for private power plants, which led to a significant increase in private investment and the development of new generating capacity.

b) **Open Access:** It mandated that transmission and distribution companies allow non-discriminatory open access to their networks, enabling large consumers to buy power from any producer.

c) **Market liberalization:** By dismantling the single-buyer model and licensing trading as a distinct activity, the Act helped create a more competitive market structure.

d) **Improved efficiency:** The unbundling of State Electricity Boards (SEBs) into separate generation, transmission, and distribution entities aimed to improve operational efficiency and transparency.

e) **Consumer protection:** The Act created national and state-level regulatory bodies e.g. CERC and SERCs to ensure transparent tariff structures and protect consumer interests.

f) **Universal access to Electricity:** A key objective was to ensure the supply of electricity to all areas, including both rural and urban areas.

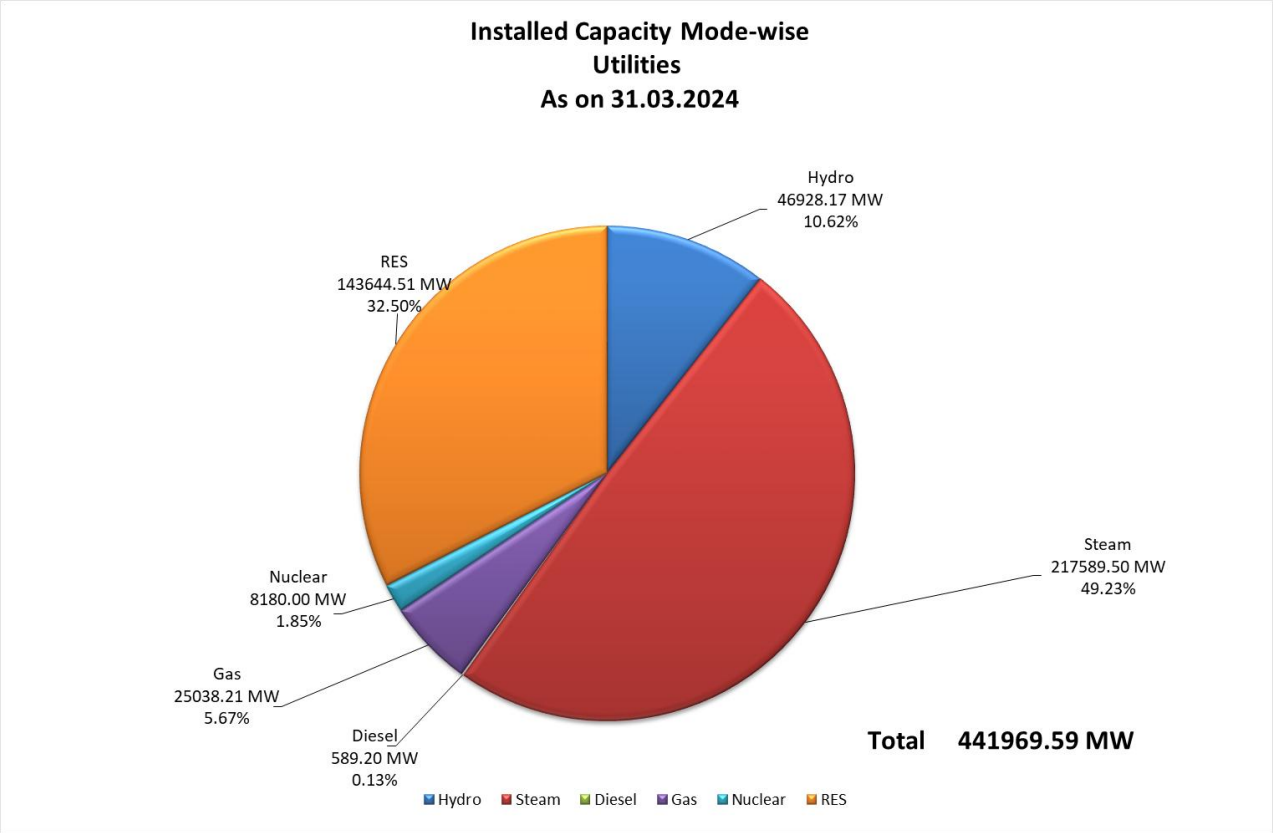
g) **Renewable energy promotion:** The Act included provisions, such as Renewable Purchase Obligations (RPOs), and set preferential tariffs and competitive bidding to encourage renewable energy development.

Major growth analyses of the power sector in the country from 1950 up to 31st March, 2024 is reviewed below:

1. Installed Electricity Generation Capacity

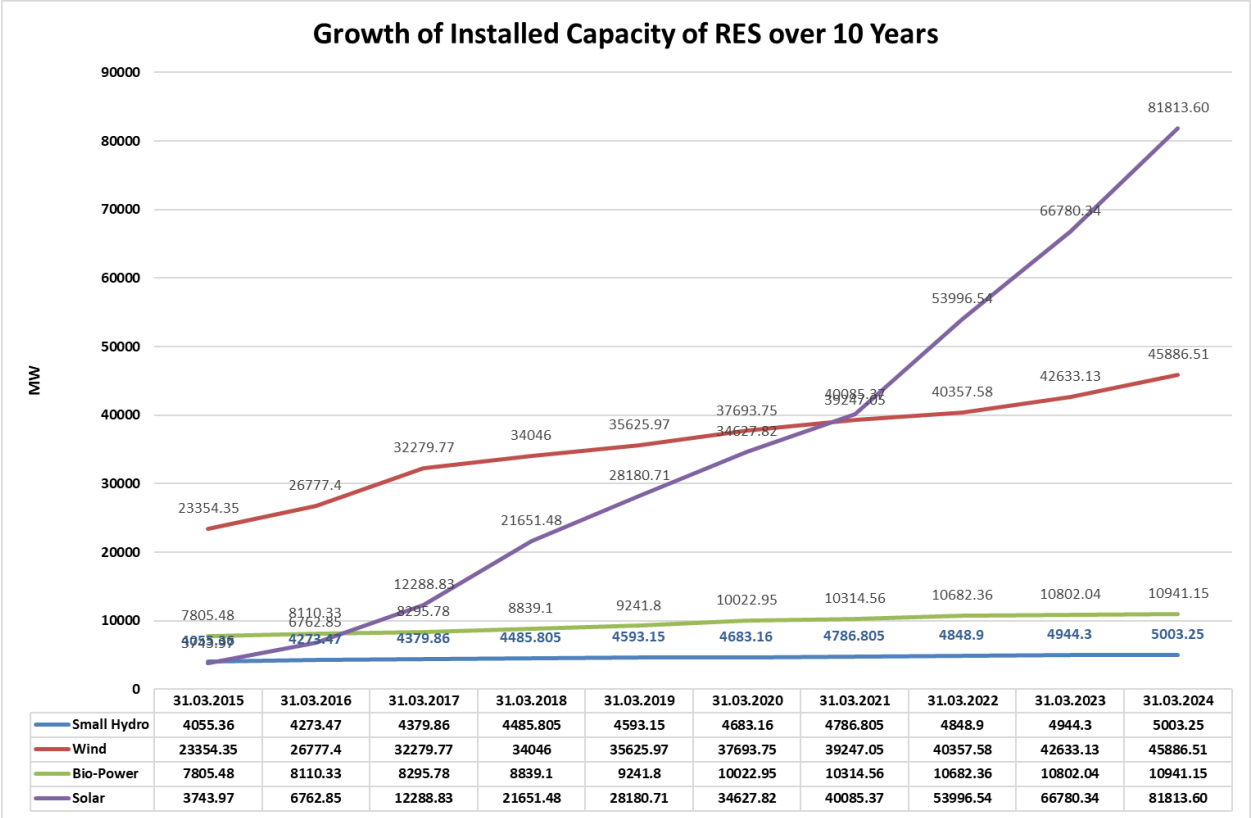
- The total installed capacity of utilities was only 1713 MW as on 31.12.1950.

- **As on 31st March 2024,** the All India installed capacity (excluding captive capacity) has increased to 441969.59 MW consisting of 46928.17 MW hydro, 243216.91MW thermal, 8180.00 MW nuclear and 143644.50 MW renewable energy taking into account the addition of new capacity and up-ration/de-ration of existing capacity and retirement of old and inefficient units at the end of the year 2023-24.

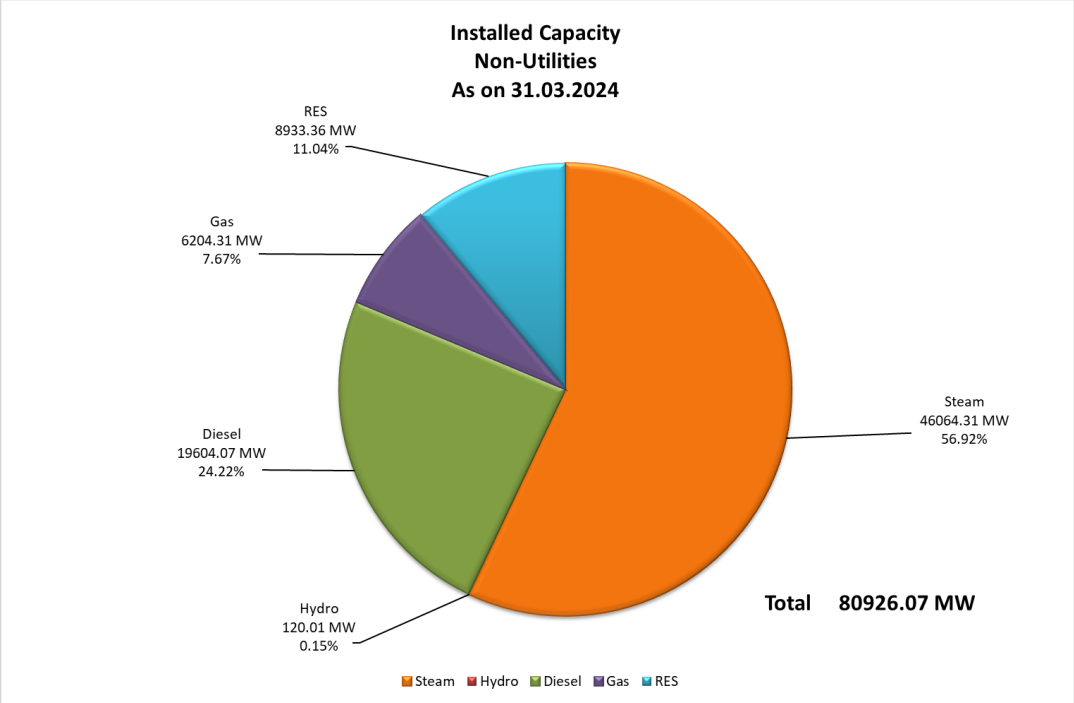


The details of growth of installed capacity (conventional & RES) is given at **Table 1.2.**

- During the period 2014-24 the Installed Capacity of RES (excluding large Hydro) has grown from 34988 MW as on 31.03.2014 to 143644.505 MW as on 31.03.2024 registering a CAGR of 15.17%.



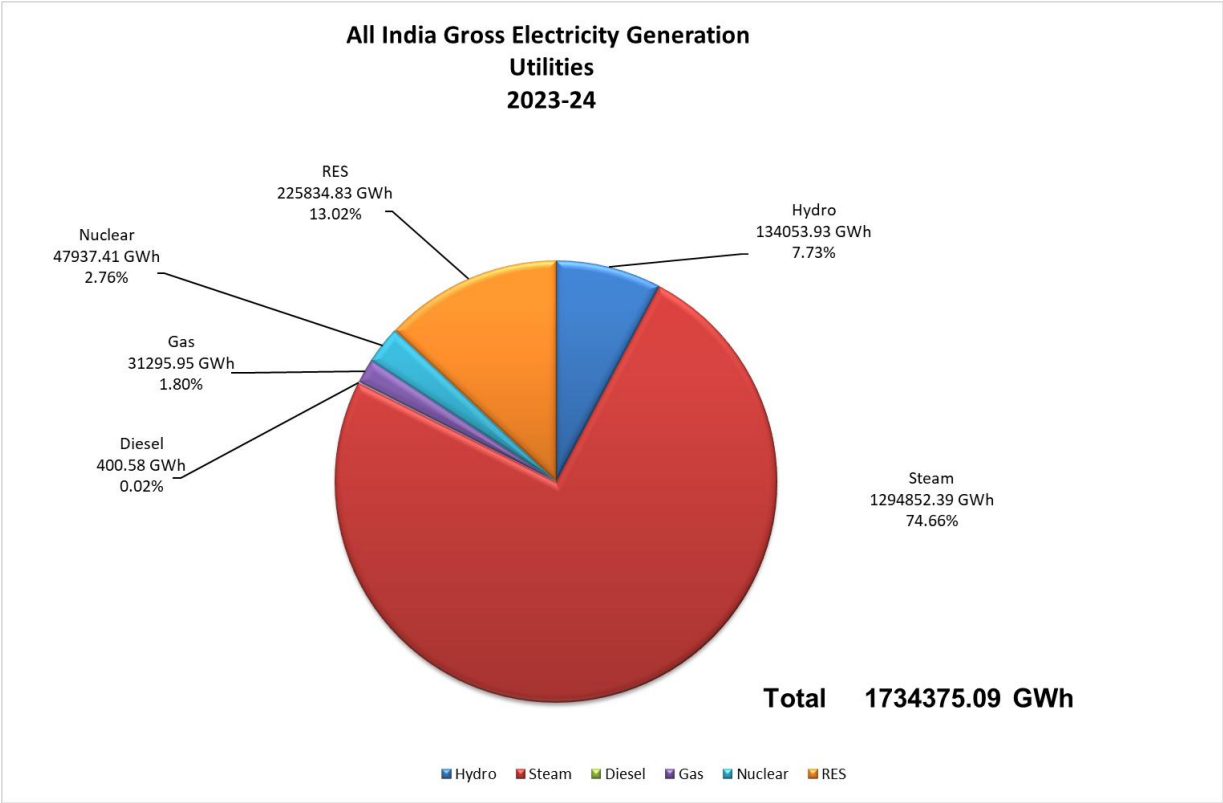
- The total installed capacity of captive power plants in industries having demand of 0.5 MW & above, at the end of the fiscal year 2023-24 has grown to 80926.07 MW out of which the contribution of hydro was 120.01 MW, steam 46064.31 MW, diesel 19604.07 MW, gas 6204.31 MW, and RES 8933.82 MW.



Growth of captive power plant details are given at **Table 1.5.**

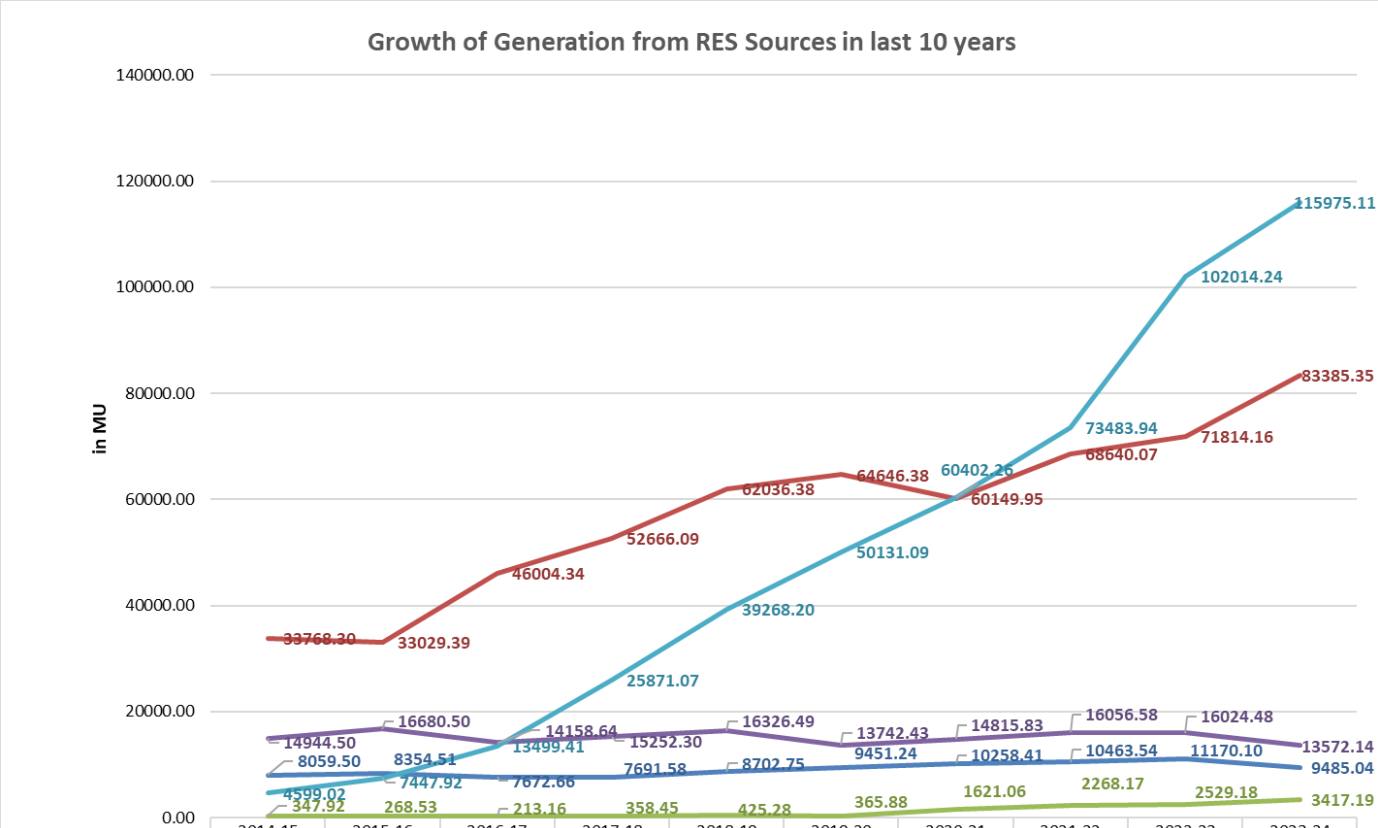
2. Gross Electricity Generation

- All India gross electricity generation which was 5106 GWh during the year ending 31.12.1950 grew up to 1734375.09 GWh (excluding generation from captive plants) during the year 2023-24 constituting 134053.93 GWh Hydro, 1326548.92 GWh Thermal, 47937.41 GWh Nuclear and 225834.83 GWh RES (Renewable Energy Sources).



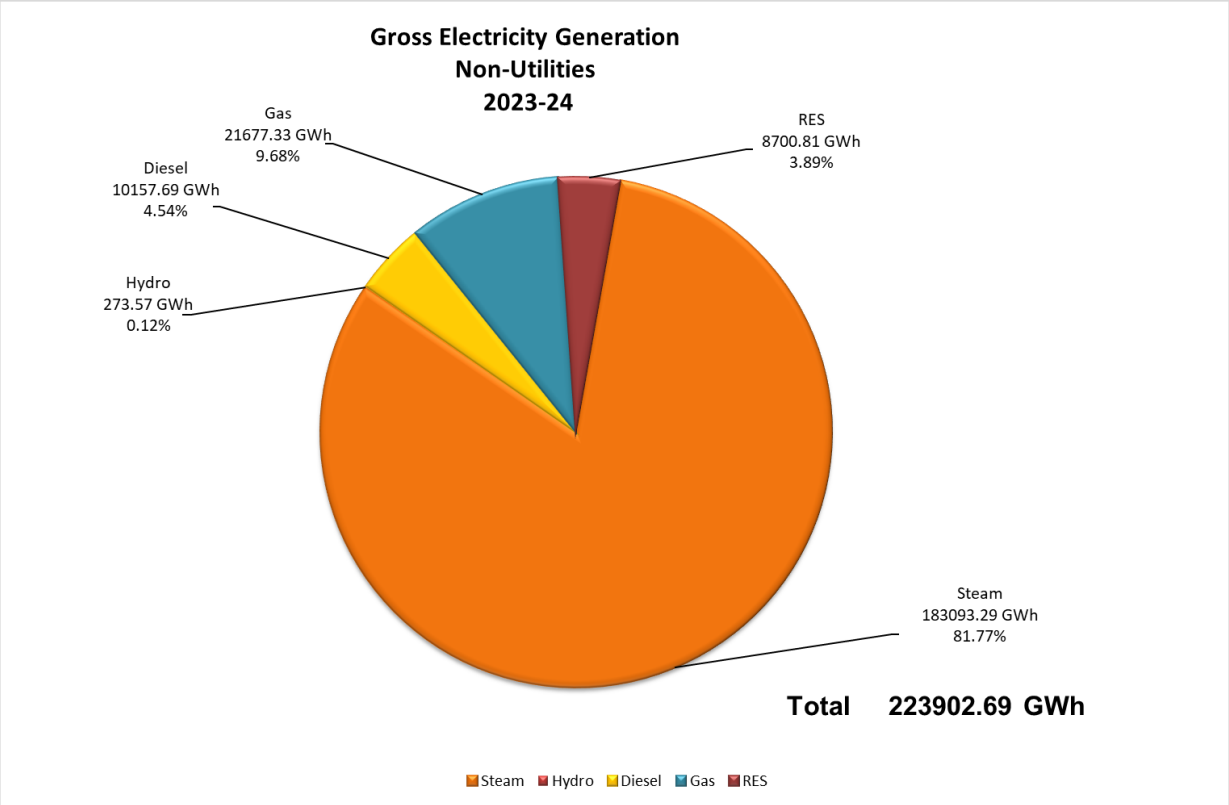
Yearly details of generation growth are given at **Table 1.3.**

- During the period 2014-24 the Generation from RES (excluding large Hydro) has grown from 65520 GWh during FY 2013-14 to 225834.83 GWh during FY2023-24 registering a CAGR of **13.17%**.



	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Small Hydro	8059.50	8354.51	7672.66	7691.58	8702.75	9451.24	10258.41	10463.54	11170.10	9485.04
Wind	33768.30	33029.39	46004.34	52666.09	62036.38	64646.38	60149.95	68640.07	71814.16	83385.35
Waste to Energy	347.92	268.53	213.16	358.45	425.28	365.88	1621.06	2268.17	2529.18	3417.19
Biomass	14944.50	16680.50	14158.64	15252.30	16326.49	13742.43	14815.83	16056.58	16024.48	13572.14
Solar	4599.02	7447.92	13499.41	25871.07	39268.20	50131.09	60402.26	73483.94	102014.24	115975.11

- Electricity generated from the captive electricity generation plants during the year 2023-24 was 223902.69 GWh, constituting 273.57 GWh from hydro, 183093.29 GWh from steam, 10157.69 GWh from diesel, 21677.33 GWh from gas and 8700.81 GWh from RES.



Details are given at **Table 1.6**.

3. Electric Power System Losses

- The electricity lost in transformation, transmission and distribution system and electricity unaccounted worked out to 288884.98 GWh during the year 2023-24 representing 17.63% of the total available electricity.

- Amongst all the regions percentage system losses were maximum in Northern Eastern Region i.e. 20.11%.

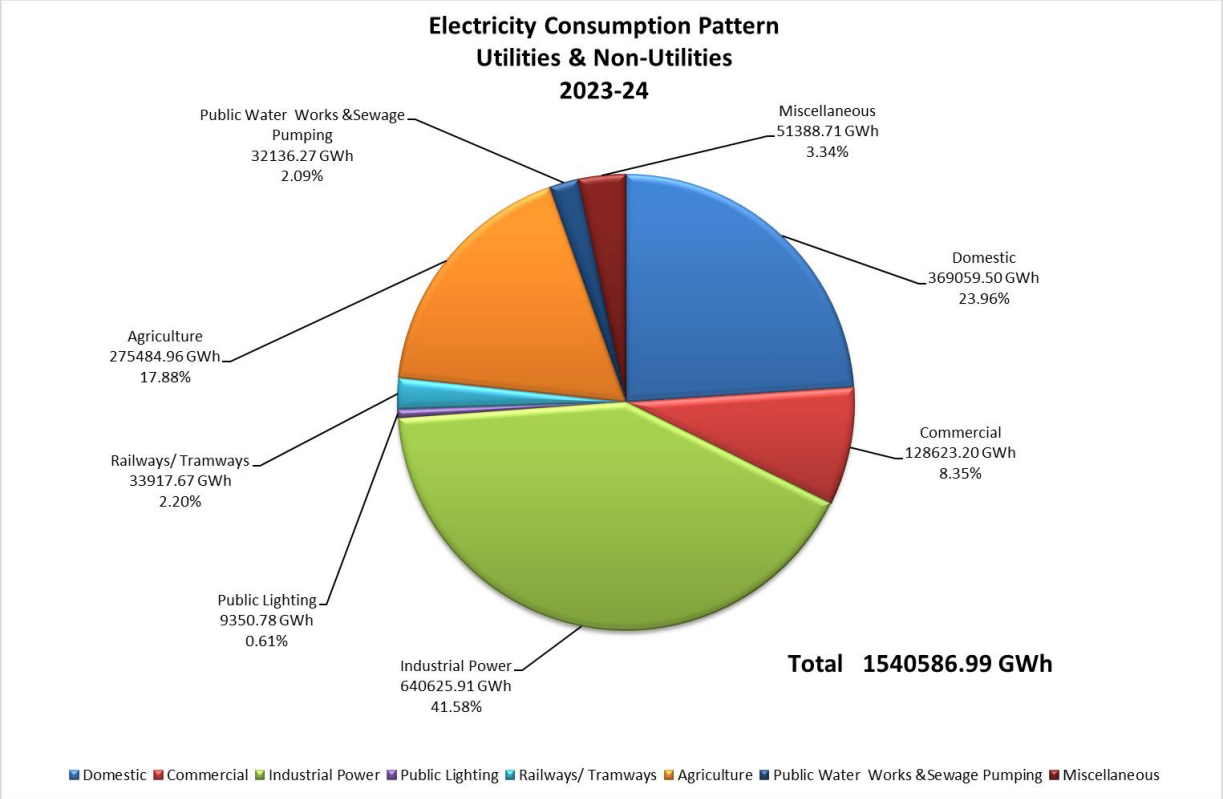
- This was followed by Northern Region with 19.79%, Southern Region with 16.09% losses and Western Region with 16.05%.

4. Electricity Consumption (Utility+Non-Utility)

- The consumption of electricity was 5610 GWh as on 31.12.1950. The consumption has been increased to 1539819 GWh during the year 2023-24.

Details are given at **Table 1.4 & 1.7.**

- The Industrial, Domestic and Agricultural categories constitute the major categories of consumers of electricity with a total of more than 83.86%, comprising of about 41.60%, 23.97% and 17.89% respectively of the total consumption including non-utilities.



5. Rural Electrification

- The total number of villages electrified as on 31.12.1950 was 3061.
- The total number of villages electrified as on 31.03.2023 rose to 597464 representing 100% of the total number of villages so far as per new definition of villages electrification reported in February 2004.

Details are given at **Table 1.1.**

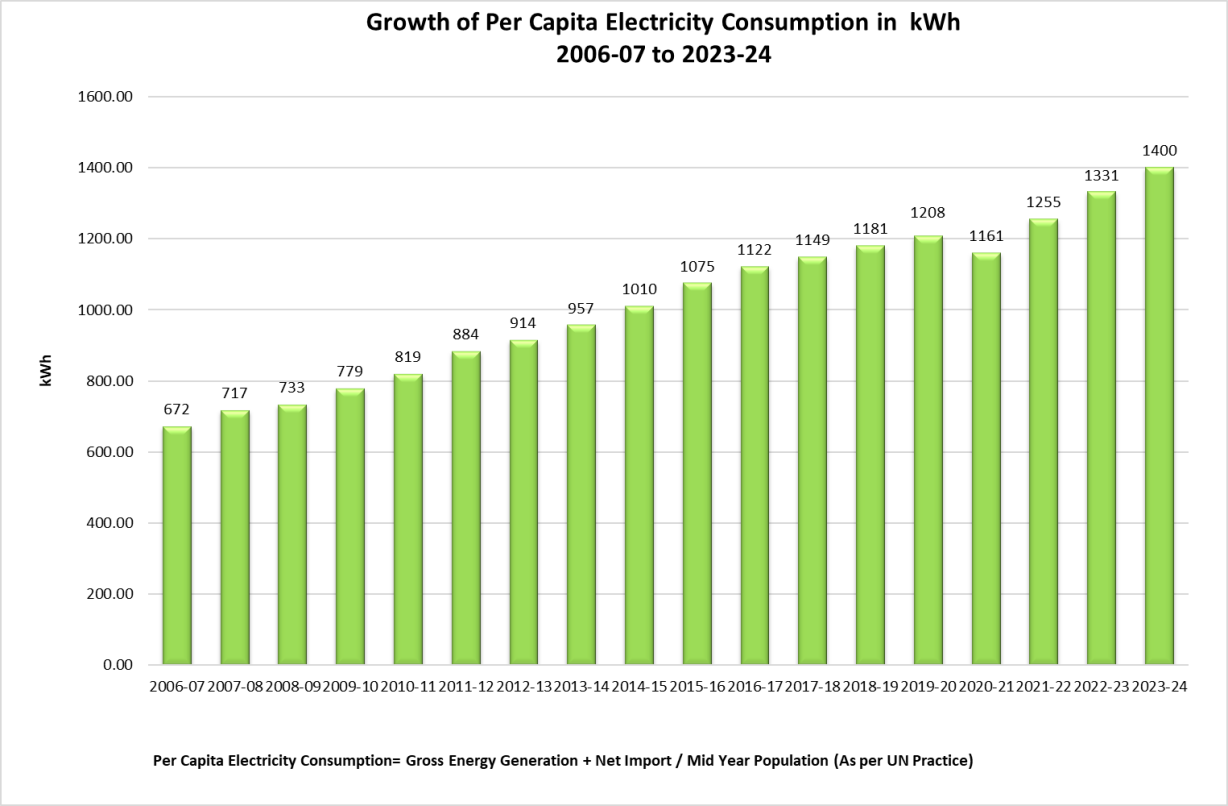
6. Transmission & Distribution Lines

- The length of transmission and distribution lines which was 29271 ckt. kms as on 31.12.1950 rose to 14706316 ckt. kms as on 31st March 2024.

Details are given at **Table 1.1.**

7. Per Capita Electricity Consumption

- The per capita electricity consumption which was 18.17 kWh during 1950, has increased to 1400 kWh during the year 2023-24.



Details are given at **Table 1.1.**

Key indices of plan-wise growth of the Indian Electricity Sector are given in the tables contained in the next part of this Chapter.

Table 1.0
Overview of All India Installed Capacity, Generation and Per Capita Consumption of Electricity
2023-24

A Installed Capacity as on 31.03.2024

(i) Utilities **(MW)**

Sector	Hydro	Thermal				Nuclear	RES	Grand Total
		Steam	Gas	Diesel	Total Thermal			
1	2	3	4	5	6 (3+4+5)	7	8	9 (2+6+7+8)
State Sector	27254.45	70587.50	7012.06	280.31	**77879.87**	0.00	2535.11	**107669.43**
Central Sector	15742.72	71660.00	7237.91	0.00	**78897.91**	8180.00	1632.30	**104452.93**
Private Sector	3931.00	75342.00	10788.24	308.89	**86439.13**	0.00	139477.09	**229847.22**
All India Total	**46928.17**	**217589.50**	**14249.97**	**589.20**	**243216.91**	**8180.00**	**143644.50**	**441969.59**
(ii) Non-Utilities								**80926.52**
(iii) Total All India Installed Capacity (Utilities + Non-Utilities)								**522896.11**

B Generation for 2023-24

(i) Utilities **(GWh)**

Sector	Hydro	Thermal				Nuclear	RES	Grand Total
		Steam	Gas	Diesel	Total Thermal			
1	2	3	4	5	6 (3+4+5)	7	8	9 (2+6+7+8)
State Sector	61667.65	392323.26	11451.31	155.14	403929.71	0.00	4645.86	**470243.22**
Central Sector	58145.83	460311.65	12215.86	0.00	472527.51	47937.41	7814.11	**586424.86**
Private Sector	14240.45	442217.48	7628.78	245.44	450091.70	0.00	213374.85	**677707.00**
All India Total	**134053.93**	**1294852.39**	**31295.95**	**400.58**	**1326548.92**	**47937.41**	**225834.82**	**1734375.08**
(ii) Non-Utilities								**223902.69**
(iii) All India Total Generation (Utilities + Non-Utilities)								**1958277.77**
(iv) Net Import (+)/Export (-) outside the Country								**-5147.95**
(v) Total Energy available in the Country								**1953129.82**

C Per Capita Consumption for 2023-24(KWh) **1400**

D Growth

	2021-22		2022-23		2023-24	
	Value	% Growth	Value	% Growth	Value	% Growth
1. Installed Capacity (MW)	**399496.61**	**4.54**	**416058.89**	**4.15**	**441969.59**	**6.23**
2. Generation (GWh)	**1484463.08**	**8.10**	**1617904.85**	**8.99**	**1734375.08**	**7.20**
3.Per Capita Consumption (KWh)	**1255**	**8.15**	**1331**	**6.06**	**1400**	**5.18**

Note:
(i) RES-Renewable Energy Sources
(ii) % Growth is calculated over previous year

Table 1.1
Plan-wise Growth of Electricity Sector

Sl. No.	As on	Installed Capacity (MW)	Installed Capacity (MW)	No.of villages electrified	Length of T & D Lines (CKt. Kms.)	Per capita Electricity Consumption (kWh)
		Utilities	Non-Utilities			
1	31.12.1950	1713	588	3061	29271	18
2	31.03.1956 (End of 1st Plan)	2886	760	7294	85427	31
3	31.03.1961 (End of 2nd Plan)	4653	1001	21754	157887	46
4	31.03.1966 (End of 3rd Plan)	9027	1146	45148	541704	74
5	31.03.1969 (End of 3 Annual Plans)	12957	1339	73739	886301	98
6	31.03.1974 (End of 4th Plan)	16664	1793	156729	1546097	126
7	31.03.1979 (End of 5th Plan)	26680	2618	232770	2145919	172
8	31.03.1980 (End of Annual Plan)	28448	2860	249799	2351609	172
9	31.03.1985 (End of 6th Plan)	42585	5120	370332	3211956	229
10	31.03.1990 (End of 7th Plan)	63636	8116	470838	4407501	329
11	31.03.1992 (End of 2 Annual Plans)	69065	9301	487170	4574200	348
12	31.03.1997 (End of 8th Plan)	85795	12079	498836	5140993	465
13	31.03.2002 (End of 9th Plan)	105046	17145	512153	6030148	559
14	31.03.2007 (End of 10th Plan)	132329	22335	482864	6939894	672
15	31.03.2008 (1st year of 11th Plan)	143061	24986	487347	7287413	717
16	31.03.2009 (2nd year of 11th Plan)	147965	26674	497236	7487977	734
17	31.03.2010 (3rd year of 11th Plan)	159398	31517	500920	7801098	779
18	31.03.2011 (4th year of 11th Plan)	173626	34444	547034	8365301	819
19	31.03.2012 (End of 11th Plan)	199877	39375	556633	8726092	884
20	31.03.2013 (1st year of 12th Plan)	223344	40726	560552	9080556	914
21	31.03.2014 (2nd year of 12th Plan)	249416	42258	571782	9312634	957
22	31.03.2015 (3rd year of 12th Plan)	275895	44657	578957	9972918	1010
23	31.03.2016 (4th year of 12th Plan)	306330	48279	586065	10316547	1075
24	31.03.2017 (End of 12th Plan)	328146	51529	592972	10686448	1122
25	31.03.2018 (End of Annual Plan)	345631	54933	597121	11958511	1149
26	31.03.2019 (End of Annual Plan)	357871	75207	597464	12682649	1181
27	31.03.2020 (End of Annual Plan)	371334	76239	597464	13279315	1208
28	31.03.2021 (End of Annual Plan)	383521	78508	597464	13679477	1161
29	31.03.2022 (End of Annual Plan)	399497	76732	597464	13979990	1255
30	31.03.2023 (End of Annual Plan)	416059	78400	597464	14423639	1331
31	31.03.2024 (End of Annual Plan)	441970	80926	597464	14706316	1400

Table 1.2
Growth of Installed Capacity - Mode-wise
Utilities Only

(MW)

Sl. No.	As on	Hydro	Thermal (including Steam, Gas & Diesel)	Nuclear	RES	Total
1	31.12.1950	560	1153	0	0	1713
2	31.03.1956 (End of 1st Plan)	1061	1825	0	0	2886
3	31.03.1961 (End of 2nd Plan)	1917	2736	0	0	4653
4	31.03.1966 (End of 3rd Plan)	4124	4903	0	0	9027
5	31.03.1969 (End of 3 Annual Plans)	5907	7050	0	0	12957
6	31.03.1974 (End of 4th Plan)	6966	9058	640	0	16664
7	31.03.1979 (End of 5th Plan)	10833	15207	640	0	26680
8	31.03.1980 (End of Annual Plan)	11384	16424	640	0	28448
9	31.03.1985 (End of 6th Plan)	14460	27030	1095	0	42585
10	31.03.1990 (End of 7th Plan)	18307	43746	1565	18	63636
11	31.03.1992 (End of 2 Annual Plans)	19194	48054	1785	32	69065
12	31.03.1997 (End of 8th Plan)	21658	61010	2225	902	85795
13	31.03.2002 (End of 9th Plan)	26269	74429	2720	1628	105046
14	31.03.2007 (End of 10th Plan)	34654	86014	3900	7761	132329
15	31.03.2008 (1st year of 11th Plan)	35909	91907	4120	11125	143061
16	31.03.2009 (2nd year of 11th Plan)	36878	93725	4120	13242	147965
17	31.03.2010 (3rd year of 11th Plan)	36863	102454	4560	15521	159398
18	31.03.2011 (4th year of 11th Plan)	37567	112824	4780	18455	173626
19	31.03.2012 (End of 11th Plan)	38990	131603	4780	24504	199877
20	31.03.2013 (1st year of 12th Plan)	39491	151531	4780	27542	223344
21	31.03.2014 (2nd year of 12th Plan)	40531	168255	4780	35850	249416
22	31.03.2015 (3rd year of 12th Plan)	41267	188898	5780	39950	275895
23	31.03.2016 (4th year of 12th Plan)	42783	210675	5780	47091	306330
24	31.03.2017 (End of 12th Plan)	44478	218330	6780	58558	328146
25	31.03.2018 (End of Annual Plan)	45293	222907	6780	70651	345631
26	31.03.2019 (End of Annual Plan)	45399	226279	6780	79412	357871
27	31.03.2020 (End of Annual Plan)	45699	230600	6780	88255	371334
28	31.03.2021 (End of Annual Plan)	46209	234728	6780	95803	383521
29	31.03.2022 (End of Annual Plan)	46723	236109	6780	109885	399497
30	31.03.2023 (End of Annual Plan)	46850	237269	6780	125160	416059
30	31.03.2024 (End of Annual Plan)	46928	243217	8180	143645	441970

RES : Renewable Energy Sources. Includes Solar, Small Hydro Projects, Wind, Bio Power Baggasse, Bio Power-Waste to Energy

Table 1.3
Growth of Gross Electricity Generation - Mode-wise
Utilities Only

(GWh)

Sl. No.	During financial year	Hydro	Thermal (including Steam, Gas & Diesel)	Nuclear	RES	Total
1	1950	2519	2587	0	0	5106
2	1955-56 (End of 1st Plan)	4295	5367	0	0	9662
3	1960-61 (End of 2nd Plan)	7837	9100	0	0	16937
4	1965-66 (End of 3rd Plan)	15225	17765	0	0	32990
5	1968-69 (End of 3 Annual Plans)	20723	26711	0	0	47434
6	1973-74 (End of 4th Plan)	28972	35321	2396	0	66689
7	1978-79 (End of 5th Plan)	47159	52594	2770	0	102523
8	1979-80 (End of Annual Plan)	45478	56273	2876	0	104627
9	1984-85 (End of 6th Plan)	53948	98836	4075	0	156859
10	1989-90 (End of 7th Plan)	62116	178690	4625	6	245438
11	1991-92 (End of 2 Annual Plans)	72757	208708	5525	38	287029
12	1996-97 (End of 8th Plan)	68901	317042	9071	876	395889
13	2001-02 (End of 9th Plan)	73580	422300	19475	2085	517439
14	2006-07 (End of 10th Plan)	113502	528490	18802	9860	670654
15	2007-08 (1st year of 11th Plan)	120877	560072	16957	25210	723116
16	2008-09 (2nd year of 11th Plan)	110098	588282	14927	27860	741167
17	2009-10 (3rd year of 11th Plan)	104059	640208	18636	36947	799850
18	2010-11 (4th year of 11th Plan)	114415	664822	26266	39245	844748
19	2011-12 (End of 11th Plan)	130511	708427	32287	51226	922451
20	2012-13 (1st year of 12th Plan)	113720	760454	32866	57449	964489
21	2013-14 (2nd year of 12th Plan)	134847	792054	34228	65520	1026649
22	2014-15 (3rd year of 12th Plan)	129244	877941	36102	61719	1105006
23	2015-16 (4th year of 11th Plan)	121377	943013	37413	65781	1167584
24	2016-17 (End of 12th Plan)	122378	993516	37916	81548	1235358
25	2017-18 (End of Annual Plan)	126123	1037146	38346	101839	1303455
26	2018-19 (End of Annual Plan)	134894	1072314	37813	126759	1371779
27	2019-20 (End of Annual Plan)	155769	1042838	46472	138337	1383417
28	2020-21 (End of Annual Plan)	150300	1032611	43029	147248	1373187
29	2021-22 (End of Annual Plan)	151627	1114811	47112	170912	1484463
30	2022-23 (End of Annual Plan)	162099	1206390	45861	203553	1617903
31	2023-24 (End of Annual Plan)	134054	1326549	47937	225835	1734375

Note: 1. RES Generation upto 2013-2014 as per normative generation. RES Generation during 2014-2015 onwards are as per actual generation received from utilities.

Table 1.4
Plan-wise Growth of Electricity Consumption - Category-Wise
Utilities & Non-Utilities

(GWh)

Sl. No.	During financial year	Domestic	Commercial	Industrial	Traction	Agriculture	Others	Total
1	1950	525	309	4057	308	162	249	5610
2	1955-56 (End of 1st Plan)	934	546	7514	405	316	435	10150
3	1960-61 (End of 2nd Plan)	1492	848	12547	454	833	630	16804
4	1965-66 (End of 3rd Plan)	2355	1650	22596	1057	1892	905	30455
5	1968-69 (End of 3 Annual Plans)	3184	2126	29931	1247	3465	1439	41392
6	1973-74 (End of 4th Plan)	4645	2988	37791	1531	6310	2292	55557
7	1978-79 (End of 5th Plan)	7576	4330	54440	2186	12028	3445	84005
8	1979-80 (End of Annual Plan)	8402	4657	53206	2301	13452	3316	85334
9	1984-85 (End of 6th Plan)	15506	6937	73520	2880	20961	4765	124569
10	1989-90 (End of 7th Plan)	29577	9548	100373	4070	44056	7474	195098
11	1991-92 (End of 2 Annual Plans)	35854	12032	110844	4520	58557	9394	231201
12	1996-97 (End of 8th Plan)	55267	17519	139253	6594	84019	12642	315294
13	2001-02 (End of 9th Plan)	79694	24139	159507	8106	81673	21551	374670
14	2002-03 (1st year of 10th Plan)	83355	25437	168821	8797	84486	22564	393460
15	2003-04 (2nd year of 10th Plan)	89736	28201	181970	9210	87089	22128	418334
16	2004-05 (3rd year of 10th Plan)	95659	31381	199448	9495	88555	23455	447993
17	2005-06 (4th year of 10th Plan)	100090	35965	214121	9943	90292	24040	474451
18	2006-07 (End of 10th Plan)	111002	40220	241216	10800	99023	23411	525672
19	2007-08 (1st year of 11th Plan)	120918	46685	265407	11108	104182	29660	577960
20	2008-09 (2nd year of 11th Plan)	130495	54199	281663	11813	107767	28590	614527
21	2009-10 (3rd year of 11th Plan)	141845	58971	297621	12390	119492	27712	658031
22	2010-11 (4th year of 11th Plan)	155301	63912	225019	13323	126377	33037	616969
23	2011-12 (End of 11th Plan)	171104	65381	352291	14206	140960	41252	785195
24	2012-13 (1st year of 12th Plan)	183700	72794	365989	14100	147462	40256	824301
25	2013-14 (2nd year of 12th Plan)	199842	74247	384418	15540	152744	47418	874209
26	2014-15 (3rd year of 12th Plan)	217405	78391	418346	16177	168913	49290	948522
27	2015-16 (4th year of 12th Plan)	238876	86037	423523	16594	173185	62976	1001191
28	2016-17 (5th year of 12th Plan)	255826	89825	440206	15683	191151	68493	1061183
29	2017-18 (Annual Plan)	273545	93755	468613	17433	199247	70834	1123427
30	2018-19 (Annual Plan)	288243	98228	519196	18837	213409	72058	1209972
31	2019-20 (Annual Plan)	308745	106047	532820	19148	211295	70031	1248086
32	2020-21 (Annual Plan)	330809	86950	508776	14668	221303	67701	1230208
33	2021-22 (Annual Plan)	339780	97121	556481	21935	228451	72996	1316765
34	2022-23 (Annual Plan)	353156	117231	593895	30028	243852	102148	1440311
35	2023-24 (Annual Plan)	369059	128623	640626	33918	275485	92876	1540587
	Percentage Share (2023-24)	23.96	8.35	41.58	2.20	17.88	6.03	100.00

Table 1.5
Growth of Installed Capacity of Captive Power Plants in Industries
Having Demand of 0.5 MW and Above
Mode-wise

(MW)

Sl. No.	As on	Hydro	Steam	Diesel	Gas	RES	Sub – Total	Railways	Total
1	2	3	4	5	6	7	8	9	10
1	31.12.1950*						587.85		587.85
2	31.03.1956* (End of 1st Plan)						759.65		759.65
3	31.03.1961* (End of 2nd Plan)						1001.37		1001.37
4	31.03.1966* (End of 3rd Plan)						1082.36		1082.36
5	31.03.1969* (End of 3 Annual Plan)						1277.47		1277.47
6	31.03.1974* (End of 4th Plan)						1732.70		1732.70
7	31.03.1979 (End of 5th Plan)	2.61	1949.23	559.17	44.27	0.00	2555.28	62.31	2617.59
8	31.03.1980 (End of Annual Plan)	2.61	2021.61	720.58	54.27	0.00	2799.07	60.44	2859.51
9	31.03.1985 (End of 6th Plan)	2.91	2803.18	2077.06	155.31	0.00	5038.46	81.80	5120.26
10	31.03.1990 (End of 7th Plan)	3.60	4822.85	2754.48	425.51	0.00	8006.44	109.29	8115.73
11	31.03.1992 (End of 2 Annual Plans)	4.30	5377.10	3291.06	495.72	0.00	9168.18	133.23	9301.41
12	31.03.1997 (End of 8th Plan)	3.50	6151.69	4529.91	1166.38	64.83	11916.31	162.62	12078.93
13	31.03.2002 (End of 9th Plan)	51.10	8354.03	6521.95	2125.91	92.21	17145.20	NA	17145.20
14	31.03.2007 (End of 10th Plan)	60.50	11397.52	7723.35	2976.00	177.67	22335.04	NA	22335.04
15	31.03.2008 (End of 1st year of 11th Plan)	60.50	11763.99	8647.92	4209.23	304.75	24986.39	NA	24986.39
16	31.03.2009 (End of 2nd year of 11th Plan)	110.79	13817.53	8749.67	3621.05	374.63	26673.68	NA	26673.68
17	31.03.2010 (End of 3rd year of 11th Plan)	55.01	17183.34	9456.61	4368.02	453.89	31516.87	NA	31516.87
18	31.03.2011 (End of 4th year of 11th Plan)	56.88	19111.54	9655.25	5053.76	566.69	34444.12	NA	34444.12
19	31.03.2012 (End of 11th Plan)	47.59	22615.39	9955.23	5884.95	872.21	39375.37	NA	39375.37
20	31.03.2013 (End of 1st year of 12th Plan)	66.90	23889.61	11148.14	4497.69	1124.05	40726.39	NA	40726.39
21	31.03.2014 (End of 2nd year of 12th Plan)	63.59	24751.58	11432.35	4751.35	1259.00	42257.87	NA	42257.87
22	31.03.2015 (End of 3rd year of 12th Plan)	65.09	26088.59	12008.89	5193.44	1300.84	44656.85	NA	44656.85
23	31.03.2016 (End of 4th year of 12th Plan)	59.09	28687.59	12346.61	5818.62	1367.58	48279.48	NA	48279.48
24	31.03.2017 (End of 12th Plan)	65.29	30571.95	13349.69	6109.21	1433.06	51529.19	NA	51529.19
25	31.03.2018 (End of Annual Plan)	50.96	32854.41	13144.60	7156.37	1726.17	54932.51	NA	54932.51
26	31.03.2019 (End of Annual Plan)	103.39	47679.04	15570.97	8787.13	3066.59	75207.13	NA	75207.13
27	31.03.2020 (End of Annual Plan)	130.77	51542.77	12774.66	7315.87	4475.29	76239.36	NA	76239.36
28	31.03.2021 (End of Annual Plan)	130.70	47759.52	17562.86	7361.11	5693.78	78507.97	NA	78507.97
29	31.03.2022 (End of Annual Plan)	134.60	45302.73	18648.78	5685.25	6961.08	76732.43	NA	76732.43
30	31.03.2023 (End of Annual Plan)	132.26	46782.17	18077.84	6360.26	7047.29	78399.82	NA	78399.82
31	31.03.2024 (End of Annual Plan)	120.01	46064.31	19604.07	6204.31	8933.36	80926.07	NA	80926.07

Note: 1. *Break-up not available
2. NA - Not Available
3. Data prior to FY2021-22 includes demand of 1MW and above

Table 1.6

Growth of Electricity Generation From Captive Power Plants

in Industries Having Demand of 0.5 MW and Above

Mode-wise

(GWh)

Sl. No.	During financial year	Hydro	Steam	Diesel	Gas	RES	Sub – Total	Railways	Total
1	2	3	4	5	6	7	8	9	10
1	1950*						1467.81		1467.81
2	1955-56*						2184.82		2184.82
3	1960-61*						3186.10		3186.10
4	1965-66*						3733.19		3733.19
5	1968-69*						4136.06		4136.06
6	1973-74*						6067.47		6067.47
7	1978-79	13.22	7211.30	299.13	48.97	0.00	7572.62	34.47	7607.09
8	1979-80	15.06	7225.60	825.71	90.67	0.00	8157.04	35.67	8192.71
9	1984-85	18.29	9966.55	2001.18	317.03	0.00	12303.05	42.80	12345.85
10	1989-90	15.83	19110.46	2757.27	1313.29	0.00	23196.85	29.07	23225.92
11	1991-92	17.57	23409.35	3247.81	1905.24	0.00	28579.97	22.52	28602.49
12	1996-97	28.84	29127.94	6573.38	5039.22	45.63	40815.01	25.07	40840.08
13	2000-01	99.85	40256.24	11397.99	7782.34	101.54	59637.96	NA	59637.96
14	2001-02	116.59	41853.85	10719.66	8835.19	155.53	61680.82	NA	61680.82
15	2002-03	90.32	42229.66	11155.33	10198.16	1176.43	63849.90	NA	63849.90
16	2003-04	97.49	39610.29	13403.31	14874.38	187.65	68173.12	NA	68173.12
17	2004-05	112.77	44016.99	12039.86	15052.05	194.95	71416.62	NA	71416.62
18	2005-06	236.47	46264.87	12253.22	14664.72	220.42	73639.70	NA	73639.70
19	2006-07	217.81	56184.04	9974.85	15207.17	215.88	81799.76	NA	81799.76
20	2007-08	202.21	53568.52	10737.96	25584.58	383.43	90476.69	NA	90476.69
21	2008-09	146.01	73626.49	10082.14	15306.09	560.43	99721.16	NA	99721.16
22	2009-10	151.78	77416.34	8217.22	19738.71	609.05	106133.10	NA	106133.10
23	2010-11	148.79	96657.13	7753.53	15435.17	922.29	120916.91	NA	120916.91
24	2011-12	131.28	104862.65	6244.32	21971.57	1178.17	134387.98	NA	134387.98
25	2012-13	118.18	113166.95	8205.22	20768.88	1750.42	144009.65	NA	144009.65
26	2013-14	129.06	118178.44	8866.47	19911.64	1902.62	148988.22	NA	148988.22
27	2014-15	144.69	128401.06	9919.57	21135.25	2656.43	162257.00	NA	162257.00
28	2015-16	110.09	136720.54	8412.16	21083.29	2046.08	168372.16	NA	168372.16
29	2016-17	143.64	137588.31	9181.74	22855.31	2277.02	172046.03	NA	172046.03
30	2017-18	112.48	143867.68	8106.89	25362.17	2328.17	179777.39	NA	179777.39
31	2018-19	270.04	184250.36	5334.32	19545.09	3673.92	213073.73	NA	213073.73
32	2019-20	348.04	205545.78	1919.32	25443.15	6310.47	239566.76	NA	239566.76
33	2020-21	339.12	193142.60	2504.19	21683.55	7157.94	224827.40	NA	224827.40
34	2021-22	356.66	179235.45	2104.51	20801.17	6812.98	209310.77	NA	209310.77
35	2022-23	290.70	179831.20	2035.36	21086.63	8687.92	211931.81	NA	211931.81
36	2023-24	273.57	183093.29	10157.69	21677.33	8700.81	223902.69	NA	223902.69

Note: 1. *Break-up not available
2. NA - Not Available
3. Data prior to FY2021-22 includes demand of 1MW and above

Table 1.7
Growth of Total Electricity Consumption (GWh) by Ultimate Consumers
State-Wise
Utilities Only

State/UTs	2012-13	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Chandigarh	1365	1419	1472	1497	1589	1574	1535	1604	1349	1409	1646	1589
Delhi	23144	23981	24775	25658	26604	28488	29169	29812	26319	27625	34107	32300
Haryana	26258	29083	32197	35092	34501	38215	41017	43382	41944	46231	55241	55734
Himachal Pradesh	7358	7649	7842	7958	7974	8405	9041	9124	8635	10198	10976	11354
Jammu & Kashmir	5163	5754	6372	7144	7902	8395	9633	10623	9984	10231	9769	10610
Punjab	35825	37557	39384	40843	44050	47027	50120	49168	50286	53489	58532	59712
Rajasthan	42160	43151	49920	50359	51027	53618	60151	61942	64888	69831	79615	83789
Uttar Pradesh	55550	59177	64707	70967	81068	90395	91355	94932	93600	98730	115675	121122
Uttarakhand	8574	9597	9980	10298	11162	11210	11543	12021	11225	12519	13509	13875
Sub-Total (NR)	**205397**	**217368**	**236648**	**249816**	**265878**	**287327**	**303565**	**312608**	**308231**	**330264**	**379071**	**390083**
Chhattisgarh	14115	14791	17102	18887	19159	20363	22210	22793	23361	25161	30477	33496
Gujarat	63427	66878	73890	77028	85556	90719	95970	92245	92276	106469	124101	128816
Madhay Pradesh	32936	36770	41757	46384	45681	52523	56972	58628	60954	65502	70422	74568
Maharashtra	100285	100842	108496	115356	121051	124921	132619	125645	126423	142088	155518	167347
Daman & Diu	1814	1819	1595	1692	1737	2377	2431	2496	2137	2482	9335	10199
	4595	5190	5164	5548	5737	5672	6066	6288	5286	6380		
Goa	2998	3085	3151	3391	3475	3618	3787	4104	3700	4014	4508.32	4802
Sub-Total (WR)	**220170**	**229375**	**251154**	**268286**	**282397**	**300193**	**320056**	**312199**	**314138**	**352096**	**394361**	**419228**
Andhra Pradesh	68439	72919	41914	44353	47761	51001	55407	57119	51756	63269	62913	68626
Telangana			39639	41289	44446	51198	58366	59365	57896	62102	67828	75140
Karnataka	51439	53716	55166	57223	58152	59236	62405	61131	62783	61064	66357	78964
Kerala	16833	18025	18786	19829	20218	21354	21414	23149	22599	23931	24906	27581
Tamil Nadu	62077	71772	77618	80083	83936	86654	91788	95919	94592	101908	103679	111647
Puducherry	2492	2532	2441	2468	2556	2540	2654	2714	2603	2774	2908	3104
Lakshadweep	38	41	45	46	48	49	49	48	53	50	52	54
Sub-Total (SR)	**201318**	**219005**	**235608**	**245291**	**257118**	**272031**	**292083**	**299444**	**292283**	**315098**	**328642**	**365117**
Bihar	6721	7980	9807	13250	17251	18713	20856	22709	24108	26064	30338	39278
Jharkhand	17124	18175	16533	17542	19549	19950	21184	21997	21375	23139	26408	26333
Orissa	13552	14411	15440	16053	16988	17714	19373	20716	20610	29541	30449	28956
West Bengal	36320	36592	39059	42497	43946	45478	48290	50482	48394	50881	58579	64410
Sikkim	385	405	405	354	437	344	381	411	415	441	486	482
A & N Islands	206	216	229	242	266	266	255	269	245	267	284	300
Sub-Total (ER)	**74309**	**77778**	**81473**	**89938**	**98436**	**102464**	**110339**	**116583**	**115147**	**130333**	**146544**	**159759**
Arunachal Pradesh	471	481	543	375	371	437	447	419	405	518	582	674
Assam	4205	4763	5484	6199	6525	7064	7268	7109	7356	8521	10004	10126
Manipur	379	398	465	475	512	564	613	631	651	732	845	850
Meghalaya	1259	1322	1233	1283	972	1064	1105	1259	1326	1507	1719	1691
Mizoram	287	303	327	339	354	396	408	486	454	661	494	503
Nagaland	328	395	529	549	635	664	679	693	683	704	687	823
Tripura	721	722	786	813	895	928	956	914	982	1051	1154	1239
Sub-Total (NER)	**7649**	**8383**	**9367**	**10033**	**10264**	**11116**	**11475**	**11512**	**11858**	**13694**	**15485**	**15905**
Total(All India)	**708843**	**751908**	**814250**	**863364**	**914093**	**973131**	**1037518**	**1052346**	**1041656**	**1141485**	**1264103**	**1350092**

Table 1.8

All India Capacity Addition (Conventional) Targets & Achievements

During Various Plans

Plan	Targets (MW)	Achievements (MW)	Achievements (%)
1st Plan (1951-1956)	1300	1100	84.6
2nd Plan (1956-1961)	3500	2250	64.3
3rd Plan (1961-1966)	7040	4520	64.2
3 Annual Plans (1966-1969)	5430	4120	75.9
4th Plan (1969-1974)	9264	4579	49.4
5th Plan (1974-1979)	12499	10202	81.6
Annual Plan (1979-1980)	2813	1799	64.0
6th Plan (1980-1985)	19666	14266	72.5
7th Plan (1985-1990)	22245	21402	96.2
Annual Plan (1990-1991)	4212	2776	65.9
Annual Plan (1991-1992)	3811	3027	79.4
8th Plan (1992-1997)	30538	16423	53.8
9th Plan (1997-2002)	40245	19119	47.5
10th Plan (2002-2007)	41110	21180	51.5
11th Plan (2007-12)	78700	54965	69.8
12th Plan (2012-17)	88537	99209	112.1
Annual Plan (2017-2018)	13171	9505	72.2
Annual Plan (2018-2019)	8106	5922	73.1
Annual Plan (2019-2020)	12186	7065	58.0
Annual Plan (2020-2021)	11197	5436	48.5
Annual Plan (2021-2022)	11478	4878	42.5
Annual Plan (2022-2023)	8830	1580	17.9
Annual Plan (2023-2024)	18980	7646	40.3

Chapter 2

Organizational Structure of Electricity Supply Industry in India

Formation of State Electricity Boards in various parts of the country started in the early 1950s to bring about systematic growth of power supply industry all over the country. In the year 1996-97, there were 18(eighteen) State Electricity Boards and 37(thirty-seven) State/ Central/ UTs owned undertakings/ corporations/ electricity departments dealing in generation/ transmission/distribution of electricity. The process of unbundling of SEBs first started in Odisha with the formation of GRIDCO & OHPC Ltd. in the year 1996-97. With the promulgation of the Electricity Act 2003, all the SEBs have been unbundled.

- As on 31st March 2024, there were one hundred fifty-one (151) Companies, Power Corporations, Management Boards under Central, State or Joint partnership existing in the country which are engaged in Generation, Transmission and Distribution apart from eleven (11) Electricity Departments in the States and Union Territories.

- As on 31.03.2024, there were fifty-nine (59) Power Trading Companies and one hundred fifty-seven (157) private licensees including Electric Supply Co-operative Societies existing.

The list of various utilities in the public as well as in the private sector responsible for electricity generation, transmission, distribution and trading in the country is given in **Tables 2.1 to 2.5**.

Table 2.1
Companies, Power Corporations, Management Boards Under
Central, State Or Joint Partnership Existing In The Country
For Electricity Generation/transmission/distribution
31.03.2024

Sl. No.	Name	Head Quarter	Ownership by Govt.
(A) Generation Undertakings			
1	A.P. Gas Power Corporation Ltd.	Hyderabad	J.V. of AP & Pvt. Industries*
2	Andhra pradesh Power Develepement company ltd.	Hyderabad	Andhra Pradesh
3	Andhra Pradesh Power Generation Corpn. Ltd.	Vijaywada	Andhra Pradesh.
4	Aravali Power Company Pvt. Ltd.	New Delhi	Central Sector (JV)
5	Assam Power Generation Corporation. Ltd.	Guwahati	Assam
6	Bhartiya Rail Bijlee Company Ltd.	Patna	Central Sector (JV)
7	Bhavnagar Energy Co. ltd.	Gandhinagar	Gujarat
8	Bihar State Power Generation Co. Ltd.	Patna	Bihar
9	Chhattisgarh State Power Generation Co. Ltd.	Raipur	Chhattisgarh
10	GSPC Pipavav Power company Ltd.	Gandhinagar	Gujarat
11	Gujarat Mineral Development Corpn. Ltd.	Ahmedabad	Gujarat
12	Gujarat State Electricity Corpn. Ltd.	Vadodara	Gujarat
13	Gujarat State Energy Generation Ltd.	Gandhinagar	Gujarat
14	Haryana Power Generation Corp. Ltd.	Panchkula	Haryana
15	Himachal Pradesh Power Corporation Limited	Shimla	Himachal Pradesh
16	Indraprastha Power Generation Co. Ltd.	Delhi	Delhi
17	J & K State Power Development Corporation Ltd.	Srinagar	J & K Govt.
18	Jharkhand Urja Utpadan Nigam Ltd.	Ranchi	Jharkhand
19	Kanti Bijlee Utpadan Nigam Ltd.	New Delhi	Central Sector (JV)
20	Karnataka Power Corp. Ltd.	Bengaluru	Karnataka
21	M.P. Power Generating Co. Ltd.	Jabalpur	Madhya Pradesh
22	Machkund Hydro Electric Project	Vishakhapatnam	A.P. /Odisha
23	Maharashtra State Power Generation Co. Ltd.	Mumbai	Maharashtra
24	Meghalaya Power Generation Corporation Ltd.	Shillong	Meghalaya
25	Meja Urja Nigam Pvt Limited	Delhi	Central Sector (JV)
26	Nabinagar Power Generating Company Pvt. Ltd.	New Delhi	Central
27	Narmada Hydroelectric Development Corpn. Ltd	Bhopal	Central
28	National Hydroelectric Power Corp. Ltd.	Faridabad	Central
29	National Thermal Power Corp. Ltd.	New Delhi	Central
30	Neyveli Lignite Corporation Ltd.	Neyveli	Central
31	NLC Tamil Nadu Power Ltd.	Chennai	Tamil Nadu
32	North-Eastern Electric Power Corpn. Ltd.	Shillong	Central
33	NTPC-Sail Power Company Ltd.	New delhi	Central Sector (JV)
34	NTPC-Tamil Nadu Energy Company Ltd.	Chennai	Central Sector (JV)
35	Nuclear Power Corporation of India Ltd.	Mumbai	Central
36	Odisha Hydro Power Corpn. Ltd.	Bhubaneshwar	Odisha
37	Odisha Power Generation Corpn. Ltd.	Bhubaneshwar	Odisha
38	ONGC Tripura Power Company Ltd	New Delhi	Central Sector (JV)
39	Pench Hydel Power Station	Totladoh	M.P. & Maharashtra
40	Pragati Power Corporation Ltd.	Delhi	Delhi

Table 2.1(Contd.)
Companies, Power Corporations, Management Boards Under Central, State Or Joint Partnership Existing In The Country For Electricity Generation/transmission/distribution
31.03.2024

Sl. No.	Name	Head Quarter	Ownership by Govt.
41	Puducherry Power Corporation Ltd.	Puducherry	Puducherry
42	Raichur power Corporation Limited	Bengaluru	State(JV)
43	Rajasthan Rajya Vidyut Utpadan Nigam Ltd.	Jaipur	Rajasthan
44	Ratnagiri Gas & Power Pvt. Limited	New Delhi	Central Sector (JV)
45	Sardar Sarovar Narmada Nigam Ltd.	Gandhinagar	Gujarat
46	Satluj Jal Vidyut Nigam Ltd.	Shimla	Central Sector (JV)
47	Sikkim Power Development Corporation Ltd.	Gangtok	Sikkim
48	Singareni Collieries Company Ltd.	Kothagudem	Telanagana
49	TB Dam Tungabhadra Board	Bellary	A.P., Karnataka
50	Teesta Urja limited	New Delhi	State Sector (JV)
51	Tehri Hydro Development Corpn. Ltd.	Rishikesh	Uttarakhand
52	Telangana State Power Generation Corpn. Ltd.	Hyderabad	Telangana
53	Tenughat Vidyut Nigam Ltd.	Ranchi	Jharkhand
54	The Durgapur Projects Ltd.	Durgapur	West Bengal
55	Uttar Pradesh Jal Vidyut Nigam Ltd.	Lucknow	Uttar Pradesh
56	Uttar Pradesh Rajya Vidyut Utpadan Nigam Ltd.	Lucknow	Uttar Pradesh
57	Uttarakhand Jal Vidyut Nigam Ltd.	Dehradun	Uttarakhand
58	West Bengal Power Development Corpn. Ltd.	Kolkata	West Bengal. Govt.
(B) Distribution Undertakings			
1	Ajmer Vidyut Vitran Nigam Ltd.	Ajmer	Rajasthan
2	Andhra Pradesh Central Power Distribution Corporation Ltd.	Vijaywada	Andhra Pradesh
3	Assam Power Distribution Company Ltd.	Guwahati	Assam
4	Bangalore Electricity Supply Co. Ltd.	Bengaluru	Karnataka
5	Brihan Mumbai Electric supply & Transport undertaking	Mumbai	Maharashtra
6	Chamundeshwari Electricity Supply Corpn. Ltd.	Mysore	Karnataka
7	Chhattisgarh State Power Distribution Co. Ltd.	Raipur	Chhattisgarh
8	Cochin Port Trust, Kochi	Kochi	Kerala
9	Cochin Special Economic Zone Authority (CSEZA), Kochi	Kochi	Kerala
10	Cochin Special Economic Zone (CSEZ), Kochi	Kochi	Kerala
11	Dakshin Gujarat Vij Company Ltd.	Surat	Gujarat
12	Dakshin Haryana Bijli Vitran Nigam Ltd.	Hisar	Haryana
13	Dakshinanchal Vidyut Vitran Nigam Ltd.	Agra	Uttar Pradesh
14	Deendayal Port Trust	Gandhidham, Kutch	Gujarat
15	DNH Power Distribution Corpon. Ltd.	Silvassa	Dadra Nagar Haveli
16	Eastern Power Distribution Co. of A.P. Ltd.,	Visakhapatnam	Andhra Pradesh.
17	Gulbarga Electricity Supply Co. Ltd.	Kalaburgi	Karnataka
18	Hubli Electricity Supply Co. Ltd.	Hubli	Karnataka
19	Infopark	Kochi	Kerala
20	Jaipur Vidyut Vitran Nigam Ltd.	Jaipur	Rajasthan
21	Jammu Power Distribution Corporation Ltd	Jammu	Jammu & Kashmir

Table 2.1(Contd.)
Companies, Power Corporations, Management Boards Under
Central, State Or Joint Partnership Existing In The Country
For Electricity Generation/transmission/distribution
31.03.2024

Sl. No.	Name	Head Quarter	Ownership by Govt.
22	Jharkhand Bijli Vitran Nigam Ltd.	Ranchi	Jharkhand
23	Jodhpur Vidyut Vitran Nigam Ltd.	Jodhpur	Rajasthan
24	Kanpur Electricity Supply Co. Ltd.	Kanpur	Uttar Pradesh
25	Kashmir Power Distribution Corporation Limited	Srinagar	Jammu & Kashmir
26	M.P. Madhya Kshetra Vidyut Vitran Corp. Ltd.	Bhopal	Madhya Pradesh
27	M.P. Pashchim Kshetra Vidyut Vitran Co. Ltd.	Indore	Madhya Pradesh
28	M.P. Poorv Kshetra Vidyut Vitran Corp. Ltd.	Jabalpur	Madhya Pradesh
29	Madhya Gujarat Vij Co. Ltd.	Vadodara	Gujarat
30	Madhyanchal Vidyut Vitran Nigam Ltd.	Lucknow	Uttar Pradesh
31	Maharashtra State Electricity Distribution Co. Ltd.	Mumbai	Maharashtra
32	Mangalore Electricity Supply Co. Ltd.	Mangalore	Karnataka
33	Manipur State Power Distribution Company Ltd.	Imphal	Manipur
34	Meghalaya Power Distribution Corporation Ltd.	Shillong	Meghalaya
35	Military Engineering Services	Delhi	Delhi
36	Military Engineering Services	Ranchi	Jharkhand
37	New Delhi Municipal Council	New Delhi	Delhi
38	North Bihar Power Distribution Co. Ltd.	Patna	Bihar
39	Northern Power Distribution Corpn. of Telangana Ltd.	Warangal	Telangana
40	Paschim Gujarat Vij Co. Ltd.	Rajkot	Gujarat
41	Paschimanchal Vidyut Vitran Nigam Ltd.	Meerut	Uttar Pradesh
42	Purvanchal Vidyut Vitran Nigam Ltd.	Varanasi	Uttar Pradesh
43	Rubber Park India Pvt. Ltd.	Ernakulam	Kerala
44	South Bihar Power Distribution Co. Ltd.	Patna	Bihar
45	Southern Power Distribution Co. of A.P. Ltd.	Tirupati	Andhra Pradesh
46	Southern Power Distribution co. of Telangana Ltd.	Hyderabad	Telangana
47	TechnoPark	Trivandrum	Kerala
48	Thrissur Corporation	Thrissur	Kerala
49	Uttar Gujarat Vij Company Ltd.	Mehsana	Gujarat
50	Uttar Haryana Bijli Vitran Nigam Ltd.	Panchkula	Haryana
51	Uttarakhand Power Corporation Ltd.	Dehradun	Uttarakhand
52	West Bengal State Electricity Distribution Co. Ltd.	Kolkata	West Bengal. Govt.

(C)Transmission Undertakings

1	Assam Electricity Grid Corporation. Ltd.	Guwahati	Assam
2	Bihar State Power Transmission Co. Ltd.	Patna	Bihar
3	Chhattisgarh State Power Transmission Co. Ltd.	Raipur	Chhattisgarh
4	Delhi Transco Ltd.	Delhi	Delhi
5	Gujarat Energy Transmission Corp. Ltd	Vadodara	Gujarat
6	Haryana Vidyut Prasaran Nigam Ltd.	Panchkula	Haryana
7	Jharkhand Urja Sancharan Nigam Ltd.	Ranchi	Jharkhand
8	Jammu and Kashmir Power Transmission Corporation Ltd	Srinagar	Jammu & Kashmir

Table 2.1(Contd.)
Companies, Power Corporations, Management Boards Under
Central, State Or Joint Partnership Existing In The Country
For Electricity Generation/transmission/distribution
31.03.2024

Sl. No.	Name	Head Quarter	Ownership by Govt.
9	Karnataka Power Transmission Corp. Ltd.	Bengaluru	Karnataka
10	M.P. Power Transmission Corp. Ltd.	Jabalpur	Madhya Pradesh
11	Maharashtra State Electricity Transmission Co. Ltd.	Mumbai	Maharashtra
12	Meghalaya Power Transmission Corporation Ltd.	Shillong	Meghalaya
13	Odisha Power Transmission Corporation Ltd.	Bhubneshwar	Odisha
14	Power Grid Corporation of India Ltd.	Gurugram	Central
15	Power Transmission Corporation of Uttarakhand Ltd.	Dehradun	Uttarakhand
16	Punjab Power Transmission Corporation Ltd	Patiala	Punjab
17	Rajasthan Rajya Vidyut Prasaran Nigam Ltd.	Jaipur	Rajasthan
18	Tamil Nadu Transmission Corpn. Ltd.	Chennai	Tamil Nadu
19	Transmission Corp. of Andhra Pradesh Ltd.	Vijaywada	Andhra Pradesh
20	Transmission Corpn. Of Telangana Ltd.	Hyderabad	Telangana
21	Uttar Pradesh Power Transmission Corporation Ltd (UPPTCL)	Lucknow	Uttar Pradesh
22	West Bengal State Electricity Transmission Co. Ltd.	Kolkata	West Bengal. Govt.
(D) Holding Undertakings			
1	Bihar State Power Holding Co. Ltd.	Patna	Bihar
2	Chhattisgarh State Power Holding Co. Ltd.	Raipur	Chhattisgarh
3	Gujarat Urja Vikas Nigam Ltd.	Vadodara	Gujarat
4	Jammu & Kashmir Power Corporation Ltd.	Srinagar	Jammu & Kashmir
5	Jharkhand Urja Vikas Nigam Ltd.	Ranchi	Jharkhand
6	Maharashtra SEB Holding Co. Ltd.	Mumbai	Maharashtra
7	Meghalaya Energy Corporation Ltd.	Shillong	Meghalaya
(E)Generation + Distribution Undertakings			
1	Ladakh Power Company Limited	Leh	Ladakh
2	Punjab State Power Corporation Ltd.	Patiala	Punjab
3	Tamil Nadu Generation & Distribution Corpn. Ltd.	Chennai	Tamil Nadu
(F) Generation + Transmission Undertakings			
1	Bhakra Beas Management Board	Chandigarh	Punjab, Haryana & Rajasthan
2	Damodar Valley Corporation.	Kolkata	Central
(G) Generating + Distribution + Transmission Undertakings			
1	Himachal Pradesh State Electricity Board Limited	Shimla	Himachal Pradesh
2	Kerala State Electricity Board Ltd.	Thiruvananthapuram	Kerala
3	Tripura State Electricity Corporation Limited	Agartala	Tripura
(H) Generating + Distribution + Holding Undertakings			
1	Manipur State Power Company Ltd.	Imphal	Manipur

Table 2.1(Contd.)
Companies, Power Corporations, Management Boards Under
Central, State Or Joint Partnership Existing In The Country
For Electricity Generation/transmission/distribution
31.03.2024

(I) Holding Companies for Distribution Undertakings

1	Grid Corporation. of Orissa Ltd.(GRIDCO)	Bhubaneswar	Odisha
2	M.P. Power Mangement Co. ltd.	Jabalpur	Madhya Pradesh
3	Uttar Pradesh Power Corp. Ltd.	Lucknow	Uttar Pradesh

(J) State/ UT Electricity Departments

(i) STATE ELECTRICITY DEPARTMENTS

1	Arunachal Pradesh	Itanagar	State
2	Goa	Panaji	State
3	Mizoram	Aizawal	State
4	Nagaland	Kohima	State
5	Sikkim	Gangtok	State

(ii) UNION TERRITORIES ELECTRICITY DEPARTMENTS

1	Andaman & Nicobar Islands	Port Blair	Electricity Deptt
2	Chandigarh	Chandigarh	Electricity Deptt.
3	Daman & Diu	Daman	Electricity Deptt.
4	Ladakh	Leh	Power Deptt.
5	Lakshadweep	Kavaratti	Electricity Deptt.
6	Puducherry	Puducherry	Electricity Deptt.

Table 2.2
Classification of Companies in Private Sector Existing in The Country
As on 31.03.2024

Sl. No.	Name of the State	No. of Companies & Co-operatives				Total
		Generation	Generation* & Distribution	Distribution$	Transmission	
(A)	**NORTHERN REGION**					
1	Haryana	1	0	0	1	2
2	Himachal Pradesh	8	0	0	0	8
3	Punjab	3	0	0	0	3
4	Delhi	0	1	2	0	3
5	Rajasthan	2	0	0	1	3
6	Uttar Pradesh	5	0	1	0	6
7	Uttarakhand	5	0	0	0	5
(B)	**WESTERN REGION**					
1	Chhattisgarh	15	0	1	0	16
2	Goa	1	1	0	0	2
3	Gujarat	6	1	5	2	14
4	Madhya pradesh	6	0	0	0	6
5	Maharashtra	15	2	4	5	26
(C)	**SOUTHERN REGION**					
1	Andhra Pradesh	15	0	1	0	16
2	Telangana	0	0	1	1	2
3	Karnataka	3	1	1	3	8
4	Kerala	1	0	2	0	3
5	Tamil Nadu	11	0	0	0	11
(D)	**EASTERN REGION**					
1	Jharkhand	3	0	2	0	5
2	Odisha	4	0	4	0	8
3	West Bengal	2	2	0	1	5
4	A.& N. Islands	1	0	0	0	1
5	Sikkim	4	0	0	0	4
(E)	**NORTH EASTERN REGION**					0
1	Assam	0	0	0	0	0
	ALL INDIA	**111**	**8**	**24**	**14**	**157**

* Includes private utilities which are engaged in generation and distribution of electricity.
$ Includes private utilities including Rural Electric Co-operatives which are engaged in Distribution of Electricity.

Annexure-IB
Details of Companies in Private Sector and Co-operatives
(Utilities)
as on 31.03.2024

Sl. No.	Name of Company	Name of State
A. Generation(Conventional)		
1	Jhajjar Power Limited	Haryana
2	AD Hydro Power Limited	Himachal Pradesh
3	Everest Power Pvt. Ltd.	Himachal Pradesh
4	Himachal Baspa Power Company Ltd.	Himachal Pradesh
5	IA Energy Pvt Ltd	Himachal Pradesh
6	Lanco Budhil Hydro Power Ltd.	Himachal Pradesh
7	Malana Power Company	Himachal Pradesh
8	GMR Bajoli Holi Hydro Power Private Limited	Himachal Pradesh
9	Himachal Sorang Power Private Limited	Himachal Pradesh
10	GVK Power (Goindwal Sahib) Ltd.	Punjab
11	Nabha Power Ltd.	Punjab
12	Talwandi Sabo Power Ltd.	Punjab
13	Shree Cement Ltd	Rajasthan
14	Rajwest Power Ltd.	Rajasthan
15	Bajaj Energy Pvt. Ltd.	Uttar Pradesh
16	Lalitpur Power Generation Co. Ltd.	Uttar Pradesh
17	Lanco Anpara Power Ltd.	Uttar Pradesh
18	Prayagraj Power Generation Co. Ltd.	Uttar Pradesh
19	Rosa Power Supply Co. Ltd.	Uttar Pradesh
20	Alaknanda Hydro Power Co. Ltd.	Uttarakhand
21	Gama Infraprop Pvt. Ltd.	Uttarakhand
22	Jai Prakash Power Venture Ltd.	Uttarakhand
23	L&T Uttaranchal Hydropower Limited	Uttarakhand
24	Sravanthi Energy Pvt. Ltd.	Uttarakhand
25	ACB(India) Ltd.	Chhattisgarh
26	Bharat Aluminium Co. Ltd.	Chhattisgarh
27	DB Power Ltd.	Chhattisgarh
28	GMR Chhattisgarh Energy Ltd.	Chhattisgarh
29	Jindal Power Ltd.	Chhattisgarh
30	Korba West Power Co. Ltd.	Chhattisgarh
31	KSK Mahanadi Power Co. Ltd.	Chhattisgarh
32	Lanco Amarkantak Power Ltd.	Chhattisgarh
33	Maruti Clean Coal & Power Ltd.	Chhattisgarh
34	RKM Powergen Pvt. Ltd.	Chhattisgarh
35	Spectrum Coal & Power Ltd.	Chhattisgarh
36	SV Power Pvt. Ltd.	Chhattisgarh
37	TRN Energy Pvt. Ltd.	Chhattisgarh
38	Vandana Energy & Steel Pvt. Ltd.	Chhattisgarh
39	Vandana Vidyut Ltd.	Chhattisgarh
40	Adani Power Ltd.	Gujarat

Annexure-IB (Contd.)
Details of Companies in Private Sector and Co-operatives
(Utilities)
as on 31.03.2024

Sl. No.	Name of Company	Name of State
41	CGPL(Tata Power)	Gujarat
42	CLP(India) Pvt. Ltd.	Gujarat
43	Essar Power Gujarat Ltd.	Gujarat
44	Essar Power Ltd.	Gujarat
45	Gujarat Industries Power Company Ltd.	Gujarat
46	BLA Power Pvt. Ltd.	Madhya Pradesh
47	Essar Power MP Ltd.	Madhya Pradesh
48	Jai Prakash Power Venture Ltd.	Madhya Pradesh
49	Jhabua Power Ltd.	Madhya Pradesh
50	MB Power Madhya Pradesh Ltd.	Madhya Pradesh
51	Sasan Power Ltd.	Madhya Pradesh
52	Rankini Power Generation Pvt. Ltd	Maharashtra
53	Dhariwal Infrastructure Ltd.	Maharashtra
54	Dodson Lindobolm Hydro Power Pvt. Ltd.	Maharashtra
55	GMR Warora Energy Ltd.	Maharashtra
56	Gupta Energy Pvt. Ltd.	Maharashtra
57	Ideal Energy Projects Ltd.	Maharashtra
58	JSW Energy Ltd.	Maharashtra
59	Pioneer Gas Power Ltd.	Maharashtra
60	Sinnar Thermal Power Limited	Maharashtra
61	Rattan India Power Ltd.	Maharashtra
62	Reliance Infrastructure Ltd.	Maharashtra
63	Shirpur Power Private Limited	Maharashtra
64	Tata Hydro Power Company Ltd.	Maharashtra
65	Vidarbha Industries Power Ltd.	Maharashtra
66	Wardha Power Company Limited	Maharashtra
67	Reliance Salgaocar Power Co. Ltd.	Goa
68	Gautami Power Ltd.	Andhra Pradesh
69	GMR Energy Ltd.	Andhra Pradesh
70	GMR Rajahmundry Energy Ltd.	Andhra Pradesh
71	GMR Vemagiri Power Generation Ltd.	Andhra Pradesh
72	GVK Industries Ltd.	Andhra Pradesh
73	Hinduja National Power Corp. Ltd.	Andhra Pradesh
74	Konaseema Gas Power Ltd.	Andhra Pradesh
75	Lanco Kondapalli Power Ltd.	Andhra Pradesh
76	LVS Power Ltd.	Andhra Pradesh
77	Meenakshi Energy Pvt. Ltd.	Andhra Pradesh
78	Reliance Infrastructure Ltd.	Andhra Pradesh
79	Sembcorp Energy India Ltd.	Andhra Pradesh
80	Sembcorp Gayatri Power Ltd.	Andhra Pradesh

Annexure-IB (Contd.)
Details of Companies in Private Sector and Co-operatives
(Utilities)
as on 31.03.2024

Sl. No.	Name of Company	Name of State
81	Simhapuri Energy Ltd.	Andhra Pradesh
82	Spectrum Power Generation Ltd.	Andhra Pradesh
83	JSW Energy Ltd.	Karnataka
84	Sree Rayalseema Alkalies and Allied Chemical Ltd.	Karnataka
85	Tata Power Company Ltd.	Karnataka
86	BSES Kerala Power Ltd.	Kerala
87	ARKAY Energy Limited	Tamil Nadu
88	Costal Energen Pvt. Ltd.	Tamil Nadu
89	IL&FS Tamil Nadu Power Company Ltd.	Tamil Nadu
90	India Barath Power Infra Ltd.	Tamil Nadu
91	Lanco Tanjore Power Co. Ltd.	Tamil Nadu
92	Madurai Power Corpn. Pvt. Ltd.	Tamil Nadu
93	Penna Power Ltd.	Tamil Nadu
94	PPN Power Generating Company Pvt. Ltd.	Tamil Nadu
95	Samalpatti Power Company Pvt. Ltd.	Tamil Nadu
96	ST-CMS Electric Company Pvt. Ltd.	Tamil Nadu
97	SEPC Power Private Limited	Tamil Nadu
98	Adhunik Power & Natural Resources Ltd.	Jharkhand
99	Maithon Power Ltd.	Jharkhand
100	Tata Power Company Ltd.	Jharkhand
101	GMR Energy Ltd.	Odisha
102	India Barath Power Infra Ltd.	Odisha
103	Jindal India Thermal Power Ltd.	Odisha
104	Vedanta Limited	Odisha
105	Suryachakra Power Company Ltd.	A&N Islands
106	Dans Energy Pvt. Ltd.	Sikkim
107	Gati Infrastructure Ltd.	Sikkim
108	Sneha Kinetic Projects Ltd.	Sikkim
109	Madhya Bharat Power Corporation Ltd	Sikkim
110	Haldia Energy Ltd.	West Bengal
111	Hiranmaye Energy Limited	West Bengal
B. Distribution		
1	BSES Rajdhani Power Ltd.	Delhi
2	BSES Yamuna Power Ltd.	Delhi
3	Noida Power Company Ltd.	Uttar Pradesh
4	Jindal Steel & Power Ltd (JSPL)	Chhattisgarh
5	K. Raheja Corp.	Maharashtra
6	Maharashtra Airport Development Corporation (MIHAN Nagpur)	Maharashtra
7	Nidar Utilities Panvel LLP	Maharashtra

Annexure-IB (Contd.)
Details of Companies in Private Sector and Co-operatives
(Utilities)
as on 31.03.2024

Sl. No.	Name of Company	Name of State
8	Rajiv Gandhi Info Tech Park Phase-II (SEZ IT Park Hinjewadi, Pune)	Maharashtra
9	Aspen Infrastructure Ltd. (Synefra), SEZ, Vadodara	Gujarat
10	Gift Power Co ltd, Gandhinagar	Gujarat
11	Jubilant Infrastructure Ltd., Industrial Estate, Bharuch	Gujarat
12	Mundra Port SEZ Utilities Pvt Ltd. (MUPL)	Gujarat
13	Dahej SEZ Ltd.	Gujarat
14	Kuppam Rural Electric Cooperative Society Ltd.	Andhra Pradesh
15	Cooperative Electric Supply Society Ltd Sircilla	Telangana
16	Hukkeri Rural Electric Cooperative Society Ltd.	Karnataka
17	Kanan Devan Hills Plantations Company (P) Ltd.	Kerala
18	KINESCO Power Utility Ltd, Kochi	Kerala
19	Tata Steel Utilitites and Infrastructure Servicea Ltd (TSUISL)	Jharkhand
20	Tata Steel Limited	Jharkhand
21	Tata Power Central Odisha Distribution Ltd.	Odisha
22	Tata Power Northern Odisha Distribution Ltd.	Odisha
23	Tata Power Southern Odisha Distribution Ltd.	Odisha
24	Tata Power Western Odisha Distribution Ltd.	Odisha
C. Generation(Conventional) & Distribution		
1	Tata Power Delhi Distribution Ltd.	Delhi
2	Torrent Power Ltd.	Gujarat
3	Tata Power Company Ltd.	Maharashtra
4	Adani Electricity Mumbai Limited	Maharashtra
5	Reliance Energy Ltd.	Goa
6	JSW Energy Ltd.	Karnataka
7	CESC Ltd.	West Bengal
8	India Power Corporation Ltd.	West Bengal
D. Transmission		
1	Adani Transmission Ltd	Gujarat
2	Apraava Energy Private Limited	Rajasthan
3	Essel Infra	Telangana
4	G R Infra Projects Limited	Haryana
5	Indi Grid Limited	Maharashtra
6	Kalpataru	Gujarat
7	L&T	Karnataka
8	Megha Engineering & Infra	Karnataka
9	ReNew Transmission Ventures Private Limited	Karnataka
10	Resurgent Power Venture Ltd	Maharashtra
11	RSTCL	Maharashtra

Annexure-IB (Contd.)
Details of Companies in Private Sector and Co-operatives
(Utilities)
as on 31.03.2024

Sl. No.	Name of Company	Name of State
12	Sterlite Power Ltd.	Maharashtra
13	Tata Power Limited	Maharashtra
14	Techno Electric	West Bengal

Table 2.4
Classification of Municipal Undertakings
31.03.2024

Sl. No.	Name of the State	Number of Municipalities			
		Generation & Distribution	Generation Purchase & Distribution	Purchase & Distribution	Total
1	Delhi	0	0	1	1
2	Maharashtra	0	0	1	1
3	Kerala	0	0	1	1
	Total All India	**0**	**0**	**3**	**3**

Table 2.5
Name of Power Trading Companies Existing
As on 31.03.2024

Sl. No.	Name of the Trading Licensee	Date of Issue	Present Category of License
1	Adani Enterprises Ltd	09.06.2004	I
2	GMR Energy Trading Ltd	14.10.2008	I
3	Manikaran Power Ltd	29.06.2012	I
4	NHPC Limited	23.04.2018	I
5	NLC India Ltd.	13.07.2018	I
6	NTPC Limited	08.07.2019	I
7	NTPC Vidyut Vyapar Nigam Ltd	23.07.2004	I
8	PTC India Ltd	30.06.2004	I
9	Refex Energy Ltd.	30.08.2018	I
10	Refex Industries Ltd.	21.03.2022	I
11	SJVN Limited	10.01.2022	I
12	Solar Energy Corporation of India	01.04.2014	I
13	Statkraft Markets (P) Ltd	21.06.2012	I
14	Tata Power Trading Company Ltd	09.06.2004	I
15	Arunachal Pradesh Power Corporation (P) Ltd	11.09.2012	II
16	Kreate Energy (I) Pvt. Ltd.	12.02.2009	II
17	Kundan International Private Ltd.	29.04.2022	II
18	RPG Power Trading Company Ltd	23.09.2008	II
19	ABJA Power Pvt. Ltd.	26.04.2011	III
20	AEI New Energy Trading Pvt. Ltd.	25.03.2022	III
21	Greenko Energies (P) Ltd	22.01.2008	III
22	National Energy Trading & Services Ltd	23.07.2004	III
23	Visual Percept Solar Projects Private Ltd.	27.11.2022	III
24	JSW Power Trading Company Ltd.	25.04.2006	III
25	Adarsh Stainless Private Ltd.	15.08.2023	IV
26	Ambitious Power Trading Company Ltd	16.09.2008	IV
27	Instinct Infra & Power Ltd	07.09.2005	IV
28	Knowledge Infrastructure Systems (P) Ltd	18.12.2008	IV
29	Phillip Commodities India Pvt. Ltd.	21.01.2016	IV
30	ReNew Energy markets Pvt. Ltd.	28.11.2021	IV
31	Shree Cement Ltd	16.03.2010	IV
32	THDC India Ltd.	06.05.2023	IV
33	VEH Global India Private Ltd.	26.12.2022	IV
34	EKI Power Trading Private Ltd.	11.12.2023	IV
35	Altilium Energies Pvt. Ltd.	23.05.2021	V
36	Amp Energy Markets India Pvt. Ltd.	15.04.2021	V
37	Atria Energy Services Private Limited	20.06.2017	V
38	Customised Energy Solutions India (P) Ltd	08.06.2011	V
39	Gita Power Infrastructured (P) Ltd.	20.10.2015	V
40	Ideal Energy Solutions Pvt. Ltd.	22.03.2022	V
41	Instant Ventures Pvt. Ltd.	09.02.2022	V
42	Powerfull Energy Trading Private Ltd.	09.08.2022	V
43	REL Power Trading LLP	13.12.2022	V
44	Reneurja Power LLP	31.07.2021	V
45	Saini Power Transactor	06.07.2022	V
46	Shell Energy Marketing and Trading India Pvt. Ltd.	22.12.2021	V
47	Shubheksha Advisors Pvt. Ltd.	31.07.2021	V
48	Renesys Solar Private Limited	23.04.2023	V
49	Embassy Classic Private Ltd.	14.07.2023	V
50	Energyedge Power Trading Private Ltd.	18.09.2023	V
51	Elsa Consultancy	23.10.2023	V
52	Viviid Power Trading Private Ltd.	11.01.2024	V
53	Yggdrasil Commodities India Private Ltd.	11.01.2024	V
54	Radiance Green Markets Private Ltd.	02.03.2024	V
55	Serentica Renewables India 2 Private Ltd.	15.03.2024	V
56	NEFA Power Trading Private Ltd.	21.03.2024	V
57	Essar Electric Power Development Corporation Ltd.	14.12.2005	*
58	Vedprakash Power (P) Ltd.	19.08.2013	*
59	Saranyu Power Trading Private Limited	10.02.2015	*

* License category under review

Trading Limit for Category of License

Category I : Above 7,000 Mus

Category II : Not more than 7,000 MUs

Category III : Not more than 4,000 MUs

Category IV : Not more than 2,000 MUs

Category V : Not more than 500 MUs

Source – CERC

Chapter 3

Installed Capacity

- The total installed capacity in the country including captive power plant (Industries having demand of 0.5 MW and above) increased to 522895.66 MW as on 31.03.2024 as compared to 494458.71 MW as on 31.03.2023.

- The net addition in FY 2023-24 in generating capacity amounted to 25910.70 MW (Hydro-78.00 MW, Thermal-5948.00 MW, Nuclear-1400.00 MW & Renewable Energy Sources-18484.70 MW).

- **The increase in All India Installed Capacity including captive power plant capacity as on 31.03.2024 over the last year (as on 31.03.2023) was 5.75%.**

- The total installed capacity comprises 298325.08 MW from conventional sources (Utilities), 143644.51 MW from Renewable Energy Sources and 80926.07 MW from Industrial and Non-Industrial Captive power plants.

Utilities

- Installed capacity (Utilities) in the country increased to 441969.59 MW as on 31.03.2024 as compared to 416058.89 MW as on 31.03.2023 thereby registering an **increase of 6.23%** over the previous year.

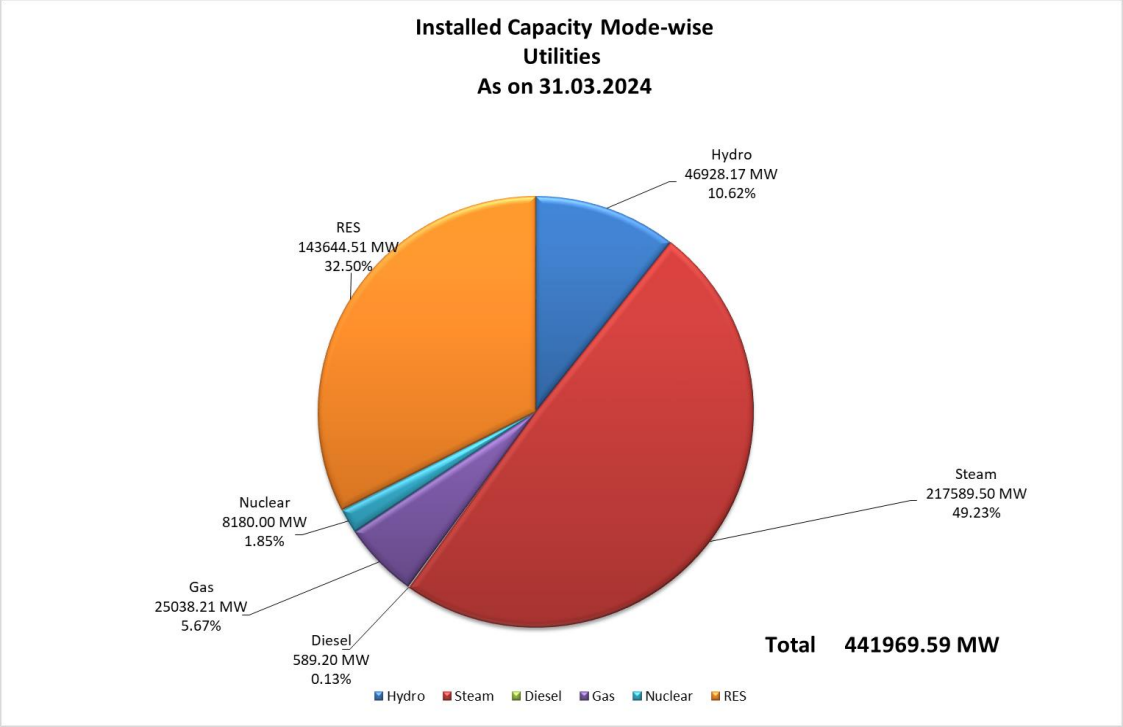
- **The total net addition in generating capacity amounted to 26080.70 MW with a majority share from Renewable Energy Sources (RES).**

- The total net addition in generating capacity from conventional sources viz Hydro, Thermal & Nuclear amounts 7596.00 MW.

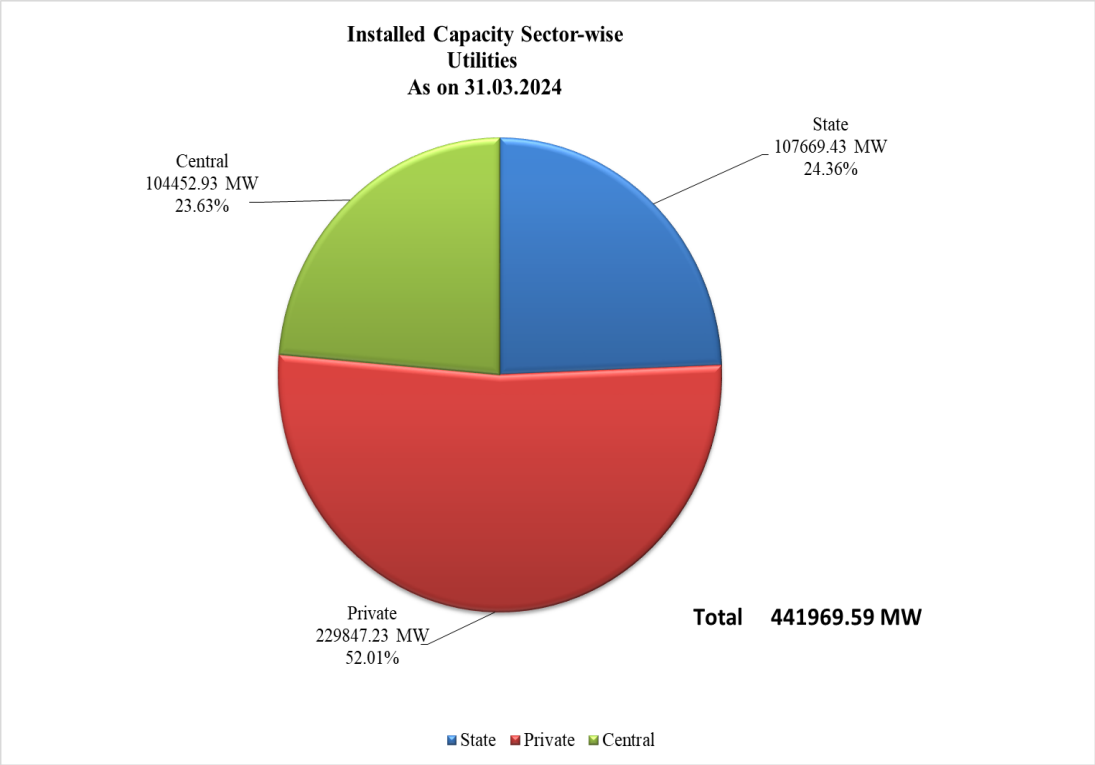
- The total net addition in generating capacity from Renewable Energy Sources amounts to 18484.70 MW. Addition of installed generating capacity from renewable energy sources has been taken into account as per the data received from Ministry of New and Renewable Energy.

- The installed capacity of thermal generating units continued to form the largest share of the installed generating capacity followed by RES.

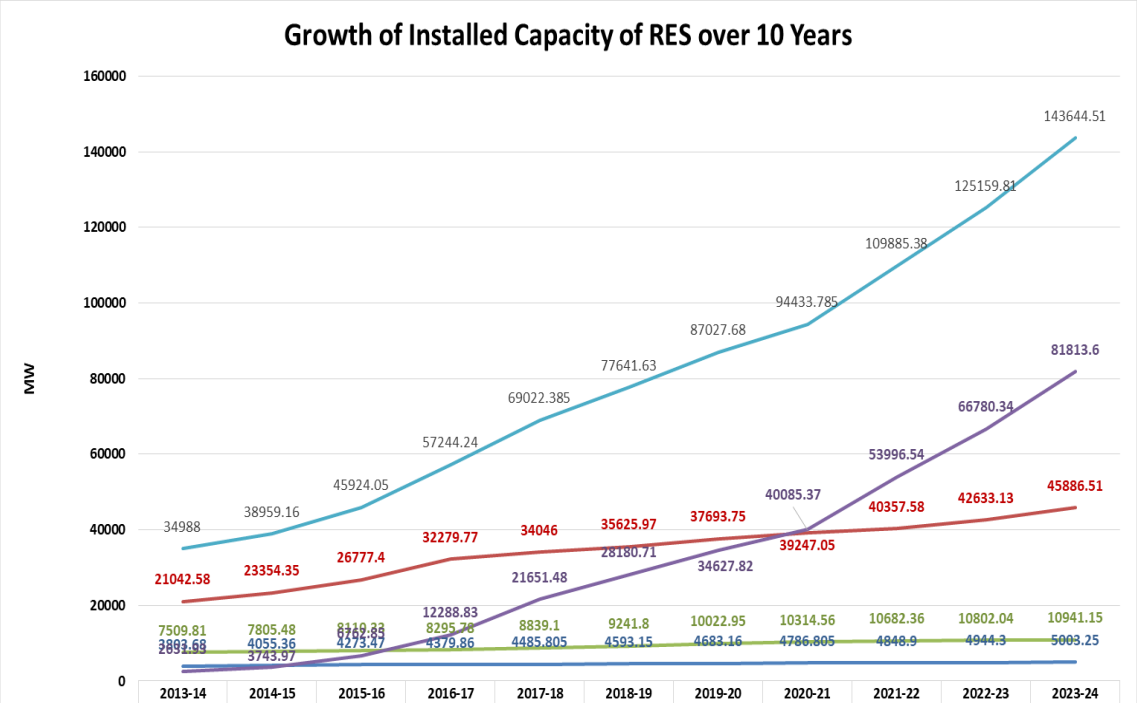
- The relative percentage of capacity of hydro, thermal, nuclear and renewable energy sources has been 10.62%, 55.03%, 1.85% and 32.50% respectively as on 31.03.2024.



- Further, the total capacity of RES (including large hydro) 190572.68 MW comprises of 46928.17 MW of Large Hydro, 5003.25 MW of Small Hydro, 45886.51 MW of Wind Power, 10941.15 MW of Bio-Power and 81813.60 MW of Solar Power.



- **During the period of 10 years the Installed Capacity of RES (excluding large Hydro) has grown from 34988 MW as on 31.03.2014 to 143645 MW as on 31.03.2024 registering a CAGR of 15.17%.**

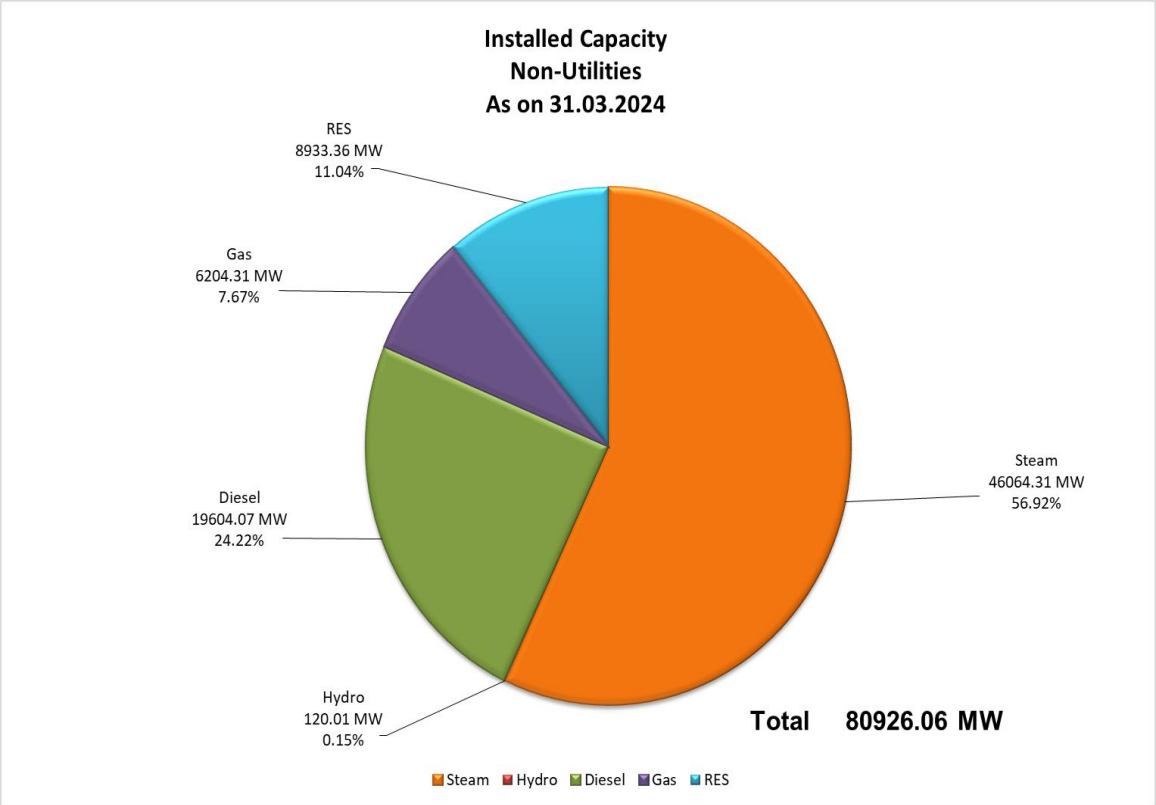


	2013-14	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
	31.03.2014	31.03.2015	31.03.2016	31.03.2017	31.03.2018	31.03.2019	31.03.2020	31.03.2021	31.03.2022	31.03.2023	31.03.2024
Small Hydro	3803.68	4055.36	4273.47	4379.86	4485.805	4593.15	4683.16	4786.805	4848.9	4944.3	5003.25
Wind	21042.58	23354.35	26777.4	32279.77	34046	35625.97	37693.75	39247.05	40357.58	42633.13	45886.51
Bio-Power	7509.81	7805.48	8110.33	8295.78	8839.1	9241.8	10022.95	10314.56	10682.36	10802.04	10941.15
Solar	2631.93	3743.97	6762.85	12288.83	21651.48	28180.71	34627.82	40085.37	53996.54	66780.34	81813.6
TOTAL	34988	38959.16	45924.05	57244.24	69022.385	77641.63	87027.68	94433.785	109885.38	125159.81	143644.51

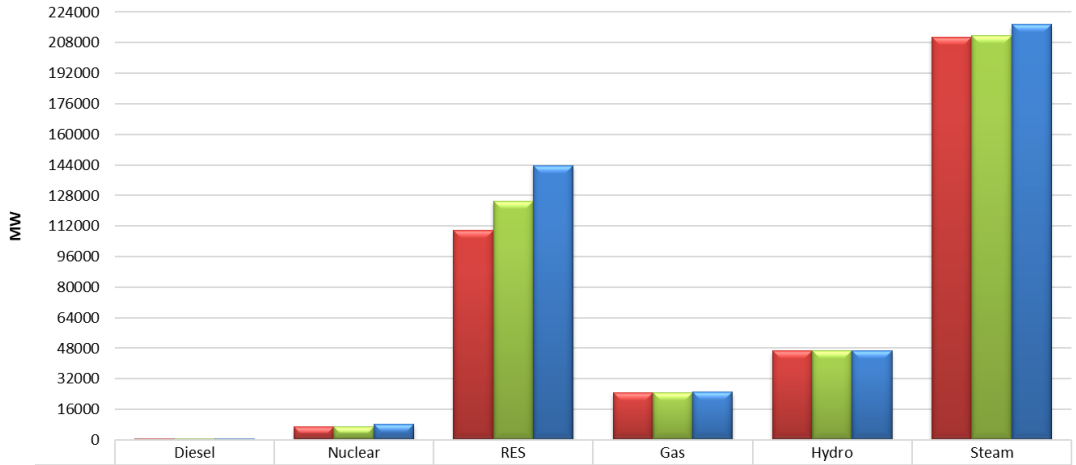
Non-Utilities (Captive Power Plants)

- The installed capacity (non-utilities) in respect of Industries having demand of 0.5 MW and above in the country increased to 80926.07 MW as on 31.03.2024 as compared to 78399.82 MW as on 31.03.2023 thereby **registering an increase of 3.22% over the previous year.**

- In the total capacity of non-utilities, the contribution of hydro, steam, diesel, gas and RES capacity had been recorded as 0.15%, 56.92%, 24.22%, 7.67% & 11.04% respectively.



The various tables in the chapter from **3.1 to 3.11** gives the salient features of the Installed Capacity in the country as on 31st March, 2024.



	Diesel	Nuclear	RES	Gas	Hydro	Steam
2021-22	510	6780	109885	24900	46723	210700
2022-23	589	6780	125160	24824	46850	211856
2023-24	589	8180	143645	25038	46928	217590

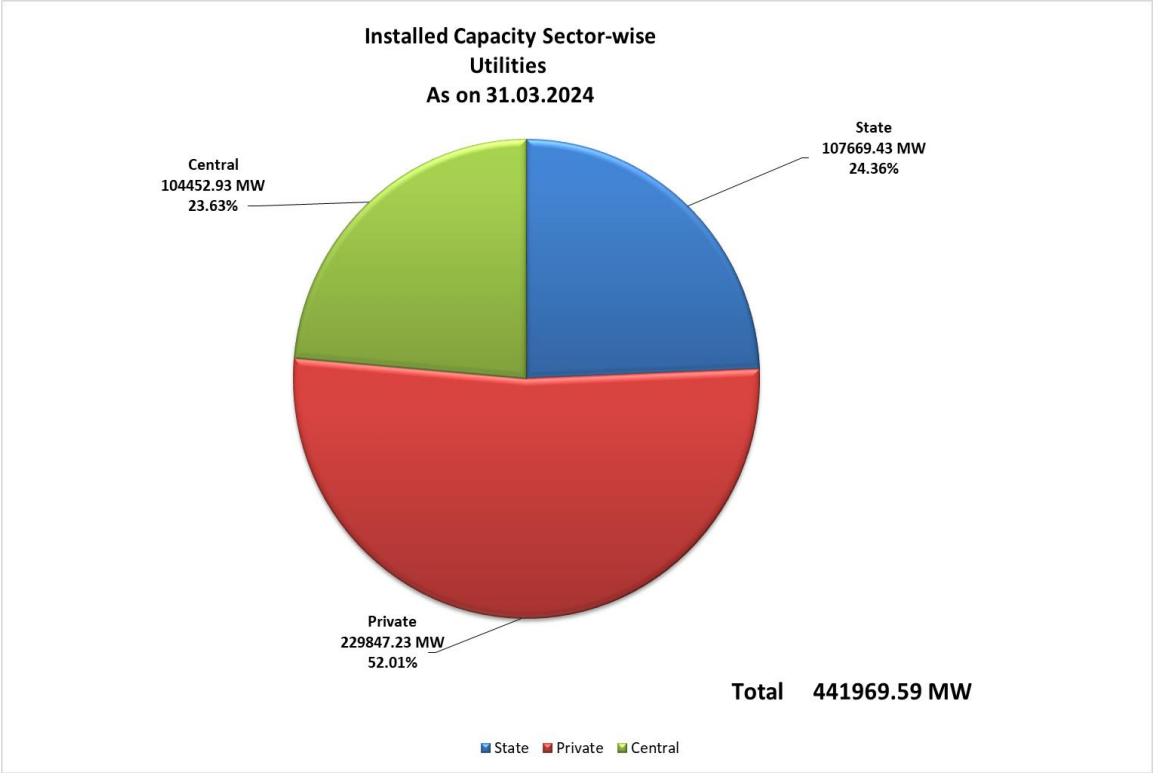

Installed Capacity Sector-wise
Utilities
As on 31.03.2024
State
107669.43 MW
24.36%
Central
104452.93 MW
23.63%
Private
229847.23 MW
52.01%
Total 441969.59 MW
State Private Central

Table 3.1
All India Installed Capacity Mode-wise
Utilities And Non-utilities
As on 31.03.2024

(MW)

Sl. No.	Year	Installed Capacity							
		Hydro	Thermal				Nuclear	R E S	Total (3+7+8+9)
			Steam	Diesel	Gas	Total(Thermal) (4+5+6)			
1	2	3	4	5	6	7	8	9	10
(i)	Installed Capacity: Utilities								
	31.03.2023	46850.17	211855.50	589.20	24824.21	237268.91	6780.00	125159.81	416058.89
	31.03.2024	46928.17	217589.50	589.20	25038.21	243216.91	8180.00	143644.51	441969.59
	% Increase	0.17	2.71	0.00	0.86	2.51	20.65	14.77	6.23
(ii)	Installed Capacity : Non-Utilities (Industries having demand of 0.5 MW & above)								
	31.03.2023	132.26	46782.17	18077.84	6360.26	71220.27	0.00	7047.29	78399.82
	31.03.2024	120.01	46064.31	19604.07	6204.31	71872.69	0.00	8933.36	80926.07
	% Increase	-9.26	-1.53	8.44	-2.45	0.92	0.00	26.76	3.22
(iii)	Installed Capacity : Total (i+ii)								
	31.03.2023	46982.43	258637.67	18667.04	31184.47	308489.18	6780.00	132207.10	494458.71
	31.03.2024	47048.18	263653.81	20193.27	31242.52	315089.61	8180.00	152577.87	522895.66
	% Increase	0.14	1.94	8.18	0.19	2.14	20.65	15.41	5.75

Table 3.2
All India Installed Capacity Ownership-wise And Mode-wise
Utilities
As on 31.03.2024

(MW)

Sl. No.	Sector	Installed Capacity							
		Hydro	Thermal				Nuclear	R E S	Total (2+6+7+8)
			Steam	Diesel	Gas	Total(Thermal) (3+4+5)			
	1	2	3	4	5	6	7	8	9
1	**Public Sector**								
1.1	Elect. Deptt./Govt./ Corpns./Joint Ventures	27254.45	70587.50	280.31	7012.06	77879.87	0.00	2535.11	107669.43
1.2	Central Sector	15742.72	71660.00	0.00	7237.91	78897.91	8180.00	1632.30	104452.93
	Sub-total Public Sector	**42997.17**	**142247.50**	**280.31**	**14249.97**	**156777.78**	**8180.00**	**4167.41**	**212122.36**
2	**Private Sector**								
2.1	Private Companies	3931.00	75342.00	308.89	10788.24	86439.14	0.00	139477.09	229847.23
	Sub total Private Sector	**3931.00**	**75342.00**	**308.89**	**10788.24**	**86439.14**	**0.00**	**139477.09**	**229847.23**
	Total All India	**46928.17**	**217589.50**	**589.20**	**25038.21**	**243216.91**	**8180.00**	**143644.51**	**441969.59**

Note: BBMB & DVC installed capacity are considered under central sector

Table 3.3
All India Installed Capacity State-wise
Utilities
As on 31.03.2024

(MW)

State/UT	31.03.2023	31.03.2024	% INCREASE
Chandigarh	58.69	65.52	11.64
Delhi	2657.74	2695.99	1.44
Haryana	6381.01	6851.84	7.38
Himachal Pradesh	3982.00	3989.74	0.19
UT of J&K and Ladakh	1649.91	1691.16	2.50
Punjab	10033.03	10235.02	2.01
Rajasthan	34116.55	38711.39	13.47
Uttar Pradesh	18815.15	20329.67	8.05
Uttarakhand	3683.94	3900.74	5.89
Central Sector (NR)	29077.58	29155.58	0.27
Sub-Total (NR)	**110455.60**	**117626.65**	**6.49**
Chhattisgarh	17427.82	17691.39	1.51
Gujarat	40194.37	46230.24	15.02
Madhya Pradesh	18503.74	19747.03	6.72
Maharashtra	38222.34	40097.96	4.91
Dadra and Nagar Haveli ar	46.47	46.47	0.00
Goa	74.88	93.47	24.83
Central Sector (WR)	26906.97	28306.97	5.20
Sub-Total (WR)	**141376.59**	**152213.53**	**7.67**
Andhra Pradesh	23887.85	24747.00	3.60
Telangana	15039.07	15132.50	0.62
Karnataka	27456.03	28489.54	3.76
Kerala	3241.06	3513.42	8.40
Tamil Nadu	28949.84	31426.91	8.56
Puducherry	68.03	82.41	21.14
Lakshadweep	30.10	31.80	5.65
Central Sector (SR)	17111.48	18711.48	9.35
Sub-Total (SR)	**115783.47**	**122135.07**	**5.49**
Bihar	389.60	450.15	15.54
Jharkhand	2494.19	2565.55	2.86
Odisha	7632.24	7674.70	0.56
West Bengal	8534.57	8553.93	0.23
Sikkim	931.80	934.15	0.25
A. & N. Islands	122.77	122.77	0.00
Central Sector (ER)	23320.30	24635.20	5.64
Sub-Total (ER)	**43425.47**	**44936.45**	**3.48**
Arunachal Pradesh	144.75	144.90	0.10
Assam	565.40	573.65	1.46
Manipur	53.73	54.49	1.41
Meghalaya	372.48	395.07	6.06
Mizoram	73.49	75.78	3.12
Nagaland	35.71	35.84	0.36
Tripura	133.61	134.47	0.64
Central Sector (NER)	3638.60	3643.70	0.14
Sub-Total (NER)	**5017.76**	**5057.89**	**0.80**
Central Sector All India	**100054.93**	**104452.93**	**4.40**
Total All India	**416058.89**	**441969.59**	**6.23**

Note: (1) (-ve) figures in the states & region sub-total are either due to retirements or change of sector.
(2) State wise Installed Capacity includes State Sector and Private Sector power plant capacity.
(3) BBMB & DVC installed capacity are considered under central sector

Table 3.4
All India Gross Installed Capacity Mode-wise/Region-wise/State-wise
Utilities
As on 31.03.2024

(MW)

State/UT	Hydro	Thermal				Nuclear	R E S	Total
		Steam	Diesel	Gas	Total Thermal			
1	2	3	4	5	6(3+4+5)	7	8	9(2+6+7+8)
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	65.52	65.52
Delhi	0.00	447.08	0.00	1908.40	2355.48	0.00	340.51	2695.99
Haryana	200.00	4673.92	0.00	150.00	4823.92	0.00	1827.92	6851.84
Himachal Pradesh	2914.60	0.00	0.00	0.00	0.00	0.00	1075.14	3989.74
UT of J&K and Ladakh	1230.00	0.00	0.00	175.00	175.00	0.00	286.16	1691.16
Punjab	1243.40	6774.00	0.00	150.00	6924.00	0.00	2067.62	10235.02
Rajasthan	433.00	11326.00	0.00	603.50	11929.50	0.00	26348.89	38711.39
Uttar Pradesh	724.10	14440.00	0.00	0.00	14440.00	0.00	5165.57	20329.67
Uttarakhand	2201.15	99.00	0.00	664.00	763.00	0.00	936.59	3900.74
Central Sector (NR)	11612.52	13200.00	0.00	2344.06	15544.06	1620.00	379.00	29155.58
Sub-Total (NR)	**20558.77**	**50960.00**	**0.00**	**5994.96**	**56954.96**	**1620.00**	**38492.92**	**117626.65**
Chhattisgarh	120.00	16008.00	0.00	0.00	16008.00	0.00	1563.39	17691.39
Gujarat	772.00	13992.00	0.00	6237.82	20229.82	0.00	25228.42	46230.24
Madhya Pradesh	1703.66	11245.00	0.00	0.00	11245.00	0.00	6798.37	19747.03
Maharashtra	3331.84	21166.00	0.00	1240.00	22406.00	0.00	14360.12	40097.96
Dadra and Nagar Haveli ar	0.00	0.00	0.00	0.00	0.00	0.00	46.47	46.47
Goa	0.00	0.00	0.00	48.00	48.00	0.00	45.47	93.47
Central Sector (WR)	1520.00	19600.00	0.00	3280.67	22880.67	3240.00	666.30	28306.97
Sub-Total (WR)	**7447.50**	**82011.00**	**0.00**	**10806.49**	**92817.49**	**3240.00**	**48708.54**	**152213.53**
Andhra Pradesh	1673.60	9800.55	36.80	4066.72	13904.07	0.00	9169.33	24747.00
Telangana	2479.93	6631.95	0.00	831.82	7463.77	0.00	5188.80	15132.50
Karnataka	3631.60	7080.00	25.20	0.00	7105.20	0.00	17752.74	28489.54
Kerala	1864.15	0.00	159.96	174.00	333.96	0.00	1315.31	3513.42
Tamil Nadu	2178.20	8209.00	211.70	1027.18	9447.88	0.00	19800.83	31426.91
Puducherry	0.00	0.00	0.00	32.50	32.50	0.00	49.91	82.41
Lakshadweep	0.00	0.00	26.83	0.00	26.83	0.00	4.97	31.80
Central Sector (SR)	0.00	14490.00	0.00	359.58	14849.58	3320.00	541.90	18711.48
Sub-Total (SR)	**11827.48**	**46211.50**	**460.49**	**6491.80**	**53163.80**	**3320.00**	**53823.79**	**122135.07**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	450.15	450.15
Jharkhand	130.00	2250.00	0.00	0.00	2250.00	0.00	185.55	2565.55
Odisha	2074.22	4940.00	0.00	0.00	4940.00	0.00	660.48	7674.70
West Bengal	986.00	6847.00	0.00	80.00	6927.00	0.00	640.93	8553.93
Sikkim	872.00	0.00	0.00	0.00	0.00	0.00	62.15	934.15
A. & N. Islands	0.00	0.00	92.71	0.00	92.71	0.00	30.06	122.77
Central Sector (ER)	1005.20	23620.00	0.00	0.00	23620.00	0.00	10.00	24635.20
Sub-Total (ER)	**5067.42**	**37657.00**	**92.71**	**80.00**	**37829.713**	**0.00**	**2039.32**	**44936.45**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	144.90	144.90
Assam	100.00	0.00	0.00	306.36	306.36	0.00	167.29	573.65
Manipur	0.00	0.00	36.00	0.00	36.00	0.00	18.49	54.49
Meghalaya	322.00	0.00	0.00	0.00	0.00	0.00	73.07	395.07
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	75.78	75.78
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	35.84	35.84
Tripura	0.00	0.00	0.00	105.00	105.00	0.00	29.47	134.47
Central Sector (NER)	1605.00	750.00	0.00	1253.60	2003.60	0.00	35.10	3643.70
Sub-Total (NER)	**2027.00**	**750.00**	**36.00**	**1664.96**	**2450.96**	**0.00**	**579.94**	**5057.89**
Central Sector All India	**15742.72**	**71660.00**	**0.00**	**7237.91**	**78897.91**	**8180.00**	**1632.30**	**104452.93**
Total All India	**46928.1700**	**217589.5000**	**589.2040**	**25038.2090**	**243216.9130**	**8180.0000**	**143644.5050**	**441969.59**

Note: BBMB & DVC installed capacity are considered under central sector

Table 3.5
All India Gross Installed Capacity Of Electricity Departments, Govt. Undertakings, Central Sector, Municipalities And Private Sector
Modewise
As on 31.03.2024

(MW)

State/UT	Hydro	Thermal				Nuclear	R E S	Total
		Steam	Diesel	Gas	Total Thermal			
1	2	3	4	5	6(3+4+5)	7	8	9(2+6+7+8)
ELECTRICITY DEPARTMENTS/GOVERNMENT UNDERTAKINGS/CORPORATIONS/CENTRAL SECTOR								
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	1800.40	1800.40	0.00	0.00	1800.40
Haryana	200.00	2510.00	0.00	150.00	2660.00	0.00	69.30	2929.30
Himachal Pradesh	805.60	0.00	0.00	0.00	0.00	0.00	256.61	1062.21
UT of J&K and Ladakh	1230.00	0.00	0.00	175.00	175.00	0.00	148.67	1553.67
Punjab	1243.40	1760.00	0.00	150.00	1910.00	0.00	127.80	3281.20
Rajasthan	433.00	7830.00	0.00	603.50	8433.50	0.00	23.85	8890.35
Uttar Pradesh	724.10	7135.00	0.00	0.00	7135.00	0.00	49.10	7908.20
Uttarakhand	1372.15	0.00	0.00	0.00	0.00	0.00	72.37	1444.52
Central Sector (NR)	11612.52	13200.00	0.00	2344.06	15544.06	1620.00	379.00	29155.58
Sub Total (NR)	**17620.77**	**32435.00**	**0.00**	**5222.96**	**37657.96**	**1620.00**	**1126.70**	**58025.43**
Chhattisgarh	120.00	2840.00	0.00	0.00	2840.00	0.00	11.05	2971.05
Gujarat	772.00	5410.00	0.00	2177.82	7587.82	0.00	95.04	8454.86
Madhya Pradesh	1703.66	5400.00	0.00	0.00	5400.00	0.00	107.96	7211.62
Maharashtra	2850.84	9540.00	0.00	672.00	10212.00	0.00	388.13	13450.97
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.05	0.05
Central Sector (WR)	1520.00	19600.00	0.00	3280.67	22880.67	3240.00	666.30	28306.97
Sub Total (WR)	**6966.50**	**42790.00**	**0.00**	**6130.49**	**48920.49**	**3240.00**	**1268.53**	**60395.52**
Andhra Pradesh	1673.60	6610.00	0.00	235.40	6845.40	0.00	57.38	8576.38
Telangana	2479.93	5242.50	0.00	0.00	5242.50	0.00	41.22	7763.65
Karnataka	3631.60	5020.00	0.00	0.00	5020.00	0.00	193.89	8845.49
Kerala	1864.15	0.00	159.96	0.00	159.96	0.00	217.90	2242.01
Tamil Nadu	2178.20	4320.00	0.00	524.08	4844.08	0.00	122.70	7144.98
Puducherry	0.00	0.00	0.00	32.50	32.50	0.00	0.00	32.50
Lakshadweep	0.00	0.00	26.83	0.00	26.83	0.00	0.00	26.83
Central Sector (SR)	0.00	14490.00	0.00	359.58	14849.58	3320.00	541.90	18711.48
Sub Total (SR)	**11827.48**	**35682.50**	**186.79**	**1151.56**	**37020.85**	**3320.00**	**1174.98**	**53343.31**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	70.70	70.70
Jharkhand	130.00	420.00	0.00	0.00	420.00	0.00	4.05	554.05
Odisha	2074.22	1740.00	0.00	0.00	1740.00	0.00	26.30	3840.52
West Bengal	986.00	4810.00	0.00	80.00	4890.00	0.00	121.95	5997.95
Sikkim	360.00	0.00	0.00	0.00	0.00	0.00	55.11	415.11
A. & N. Islands	0.00	0.00	57.52	0.00	57.52	0.00	5.25	62.77
Central Sector (ER)	1005.20	23620.00	0.00	0.00	23620.00	0.00	10.00	24635.20
Sub Total (ER)	**4555.42**	**30590.00**	**57.52**	**80.00**	**30727.52**	**0.00**	**293.36**	**35576.30**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	109.11	109.11
Assam	100.00	0.00	0.00	306.36	306.36	0.00	5.01	411.37
Manipur	0.00	0.00	36.00	0.00	36.00	0.00	5.45	41.45
Meghalaya	322.00	0.00	0.00	0.00	0.00	0.00	55.03	377.03
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	45.47	45.47
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	32.67	32.67
Tripura	0.00	0.00	0.00	105.00	105.00	0.00	16.01	121.01
Central Sector (NER)	1605.00	750.00	0.00	1253.60	2003.60	0.00	35.10	3643.70
Sub-Total (NER)	**2027.00**	**750.00**	**36.00**	**1664.96**	**2450.96**	**0.00**	**303.85**	**4781.80**
Total-I, (All India)	**42997.17**	**142247.50**	**280.31**	**14249.97**	**156777.78**	**8180.00**	**4167.41**	**212122.36**

Note: BBMB & DVC installed capacity is considered under central sector

Table 3.5 (Contd.)
All India Gross Installed Capacity Of Electricity Departments, Govt. Undertakings, Central Sector, Municipalities And Private Sector
Modewise
As on 31.03.2024

(MW)

State/UT	Hydro	Thermal				Nuclear	R E S	Total
		Steam	Diesel	Gas	Total Thermal			
1	2	3	4	5	6(3+4+5)	7	8	9(2+6+7+8)
PRIVATE SECTOR								
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	65.52	65.52
Delhi	0.00	447.08	0.00	108.00	555.08	0.00	340.51	895.59
Haryana	0.00	2163.92	0.00	0.00	2163.92	0.00	1758.62	3922.54
Himachal Pradesh	2109.00	0.00	0.00	0.00	0.00	0.00	818.53	2927.53
UT of J&K and Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	137.49	137.49
Punjab	0.00	5014.00	0.00	0.00	5014.00	0.00	1939.82	6953.82
Rajasthan	0.00	3496.00	0.00	0.00	3496.00	0.00	26325.04	29821.04
Uttar Pradesh	0.00	7305.00	0.00	0.00	7305.00	0.00	5116.47	12421.47
Uttarakhand	829.00	99.00	0.00	664.00	763.00	0.00	864.22	2456.22
Chhattisgarh	0.00	13168.00	0.00	0.00	13168.00	0.00	1552.34	14720.34
Gujarat	0.00	8582.00	0.00	4060.00	12642.00	0.00	25133.38	37775.38
Madhya Pradesh	0.00	5845.00	0.00	0.00	5845.00	0.00	6690.41	12535.41
Maharashtra	481.00	11626.00	0.00	568.00	12194.00	0.00	13971.99	26646.99
Dadra and Nagar Haveli ar	0.00	0.00	0.00	0.00	0.00	0.00	46.47	46.47
Goa	0.00	0.00	0.00	48.00	48.00	0.00	45.42	93.42
Andhra Pradesh	0.00	3190.55	36.80	3831.32	7058.67	0.00	9111.95	16170.63
Telangana	0.00	1389.45	0.00	831.82	2221.27	0.00	5147.58	7368.85
Karnataka	0.00	2060.00	25.20	0.00	2085.20	0.00	17558.86	19644.06
Kerala	0.00	0.00	0.00	174.00	174.00	0.00	1097.41	1271.41
Tamil Nadu	0.00	3889.00	211.70	503.10	4603.80	0.00	19678.13	24281.93
Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	49.91	49.91
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	4.97	4.97
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	379.45	379.45
Jharkhand	0.00	1830.00	0.00	0.00	1830.00	0.00	181.50	2011.50
Odisha	0.00	3200.00	0.00	0.00	3200.00	0.00	634.18	3834.18
West Bengal	0.00	2037.00	0.00	0.00	2037.00	0.00	518.98	2555.98
Sikkim	512.00	0.00	0.00	0.00	0.00	0.00	7.04	519.04
A. & N. Islands	0.00	0.00	35.19	0.00	35.19	0.00	24.81	60.00
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	35.79	35.79
Assam	0.00	0.00	0.00	0.00	0.00	0.00	162.28	162.28
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	13.04	13.04
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	18.04	18.04
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	30.31	30.31
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	3.17	3.17
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	13.46	13.46
Total-II, (All India)	**3931.00**	**75342.00**	**308.89**	**10788.24**	**86439.14**	**0.00**	**139477.09**	**229847.23**
All India Total (I+II)	**46928.17**	**217589.50**	**589.20**	**25038.21**	**243216.91**	**8180.00**	**143644.51**	**441969.59**

Table 3.6
All India Installed Capacity Addition
Utilities
During 2023-24

Sl. No.	State/UT	Owner	Name of project	Dt. of Commissioning	No. of units	Unit Size (MW)	Total Capacity (MW)
A	**Hydro**						
	Uttarakhand	SJVNL	NAITWAR MORI HEP	24-11-2023	1	30	30.00
		SJVNL	NAITWAR MORI HEP	04-12-2023	2	30	30.00
	Hydro Total						**60.00**
B	**Steam**						
	Uttar Pradesh	UPRVUNL	OBRA-C STPP	02-02-2024	1	660.00	660.00
		UPRVUNL	JAWAHARPUR STPP	09-02-2024	1	660.00	660.00
	Telangana	NTPC LIMITED	TELANGANA STPP PH-1	05-09-2023	1	800.00	800.00
		NTPC LIMITED	TELANGANA STPP PH-1	11-02-2024	2	800.00	800.00
	Maharashtra	SPPL	SHIRPUR TPP	22-11-2023	2	150.00	150.00
	Jharkhand	NTPC LIMITED	NORTH KARANPURA STPP	28-02-2024	2	660.00	660.00
	Bihar	NTPC LIMITED	BARH I	30-06-2023	2	660.00	660.00
	Andhra Pradesh	APGENCO	Dr. N.TATA RAO TPS	20-12-2023	8	800.00	800.00
	Rajasthan	SCL	SHREE CEMENT LTD TPS	01-09-2023	1	150.00	150.00
		SCL	SHREE CEMENT LTD TPS	01-09-2023	2	150.00	150.00
	Tamil Nadu	OPGPL	OPG Power Generation Private Limited	31-01-2024	1	77.00	77.00
		OPGPL	OPG Power Generation Private Limited	31-01-2024	2	77.00	77.00
		OPGPL	OPG Power Generation Private Limited	31-01-2024	3	80.00	80.00
		OPGPL	OPG Power Generation Private Limited	31-01-2024	4	180.00	180.00
	Steam Total						**5904.00**
C	**Nuclear**						
	Gujarat	NPCIL	KAKRAPARA	30-06-2023	3	700.00	700.00
	Gujarat	NPCIL	KAKRAPARA	31-03-2024	4	700.00	700.00
	Nuclear Total						**1400.00**
D	**Gas**						
	Uttarakhand	SEPL	SRAVANTHI CCPP	13-06-2023	2	214.00	214.00
	Gas Total						**214.00**
	Grand Total (A+B+C+D)						**7578.00**

* Units were commsioned earlier but included in Installed Capacity Database on these dates

Table 3.7
All India Installed Capacity Addition
Mode-wise/state-wise/ Region-wise
2023-24

(MW)

State/UT	Hydro	Thermal				Nuclear	R E S	Total (2+6+7+8)
		Steam	Diesel	Gas	Total (Thermal) (3+4+5)			
1	2	3	4	5	6	7	8	9
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	6.83	6.83
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	38.25	38.25
Haryana	0.00	0.00	0.00	0.00	0.00	0.00	470.83	470.83
Himachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	7.74	7.74
UT of J&K and Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	41.25	41.25
Punjab	0.00	0.00	0.00	0.00	0.00	0.00	201.99	201.99
Rajasthan	0.00	300.00	0.00	0.00	300.00	0.00	4294.84	4594.84
Uttar Pradesh	0.00	1320.00	0.00	0.00	1320.00	0.00	414.52	1734.52
Uttarakhand	60.00	0.00	0.00	214.00	214.00	0.00	2.80	276.80
Central Sector (NR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub Total (NR)	**60.00**	**1620.00**	**0.00**	**214.00**	**1834.00**	**0.00**	**5479.05**	**7373.05**
Chhattisgarh	0.00	0.00	0.00	0.00	0.00	0.00	263.57	263.57
Gujarat	0.00	0.00	0.00	0.00	0.00	1400.00	6035.87	7435.87
Madhya Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	1193.29	1193.29
Maharashtra	0.00	150.00	0.00	0.00	150.00	0.00	1725.62	1875.62
Dadra and Nagar Haveli	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00	0.00	0.00	18.59	18.59
Central Sector (WR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub Total (WR)	**0.00**	**150.00**	**0.00**	**0.00**	**150.00**	**1400.00**	**9236.94**	**10786.94**
Andhra Pradesh	0.00	800.00	0.00	0.00	800.00	0.00	59.15	859.15
Telangana	0.00	1600.00	0.00	0.00	1600.00	0.00	93.43	1693.43
Karnataka	0.00	0.00	0.00	0.00	0.00	0.00	1033.51	1033.51
Kerala	0.00	0.00	0.00	0.00	0.00	0.00	272.36	272.36
Tamil Nadu	0.00	414.00	0.00	0.00	414.00	0.00	2063.07	2477.07
Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	14.38	14.38
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	1.70	1.70
Central Sector (SR)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub Total (SR)	**0.00**	**2814.00**	**0.00**	**0.00**	**2814.00**	**0.00**	**3537.60**	**6351.60**
Bihar	0.00	660.00	0.00	0.00	660.00	0.00	60.55	720.55
Jharkhand	0.00	660.00	0.00	0.00	660.00	0.00	71.36	731.36
Odisha	0.00	0.00	0.00	0.00	0.00	0.00	42.46	42.46
West Bengal	0.00	0.00	0.00	0.00	0.00	0.00	19.36	19.36
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	2.35	2.35
A.& N. Islands	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Central Sector (ER)	0.00	0.00	0.00	0.00	0.00	0.00	-5.10	-5.10
Sub Total (ER)	**0.00**	**1320.00**	**0.00**	**0.00**	**1320.00**	**0.00**	**190.98**	**1510.98**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.15	0.15
Assam	0.00	0.00	0.00	0.00	0.00	0.00	8.25	8.25
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.76	0.76
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	22.59	22.59
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	2.29	2.29
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.13	0.13
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.86	0.86
Central Sector (NER)	0.00	0.00	0.00	0.00	0.00	0.00	5.10	5.10
Sub Total (NER)	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**40.13**	**40.13**
Total (All India)	**60.00**	**5904.00**	**0.00**	**214.00**	**6118.00**	**1400.00**	**18484.70**	**26062.70**

Table 3.8
Details of All India Installed Capacity Retired
State-wise/Mode-wise
2023-24

(MW)

Sl. No.	State/UT	Ownership	Name of the Station	Unit No.	Hydro	Steam	Diesel	Gas	Total (Thermal) (7+8+9)	Nuclear	R E S	Total (6+10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Uttar Pradesh	UPRVUNL	PARICHHA TPS	2	0.00	220.00	0.00	0.00	220.00	0.00	0.00	220.00
	Net Deletion/Retirement				**0.00**	**220.00**	**0.00**	**0.00**	**220.00**	**0.00**	**0.00**	**220.00**

Table 3.8 (contd.)
Details of All India Installed Capacity Uprated
State-wise/Mode-wise
2023-24

(MW)

Sl. No.	State/UT	Ownership	Name of the Station	Unit No.	Hydro	Steam	Diesel	Gas	Total (Thermal) (7+8+9)	Nuclear	R E S	Total (6+10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
1	Madhya Pradesh	MB Power (Madhya Pradesh) Ltd	ANUPPUR TPP	2	0.00	50.00	0.00	0.00	50.00	0.00	0.00	50.00
2	Himachal Pradesh	BBMB	BHAKRA LEFT HPS	1	18.00	0.00	0.00	0.00	0.00	0.00	0.00	18.00
	Net Upration				**18.00**	**50.00**	**0.00**	**0.00**	**50.00**	**0.00**	**0.00**	**68.00**

Table 3.8 (contd.)
Details of All India Installed Capacity Derated
State-wise/Mode-wise
2023-24

(MW)

Sl. No.	State/UT	Ownership	Name of the Station	Unit No.	Hydro	Steam	Diesel	Gas	Total (Thermal) (7+8+9)	Nuclear	R E S	Total (6+10+11+12)
1	2	3	4	5	6	7	8	9	10	11	12	13
	Net Deration				**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**	**0.00**

* Capacity was corrected from 37.80 to 37.50 as per RRVUNL request on 24/05/2022

Table 3.9
All India Installed Capacity
Net Addition/deletion Modewise
2023-24

(MW)

Activity	Hydro	Thermal				Nuclear	R E S	Total (2+6+7+8)
		Steam	Diesel	Gas	Total(Thermal) (3+4+5)			
1	2	3	4	5	6	7	8	9
Gross Addition	60.00	5904.00	0.00	214.00	6118.0000	1400.00	18484.70	26062.70
Deletion/Retirement	0.00	-220.00	0.00	0.00	-220.00	0.00	0.00	-220.00
Capacity removed due to change from IPP to CPP	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Up-rating	18.00	50.00	0.00	0.00	50.00	0.00	0.00	68.00
De-rating	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Net Addition	**78.00**	**5734.00**	**0.00**	**214.00**	**5948.00**	**1400.00**	**18484.70**	**25910.70**

Table 3.10
Share of Participating States In Jointly Owned Power Stations
As on 31.03.2024

Name of the Power Station	Name of the Beneficiary States	Share of the Participating States %age	Share of the Participating States I.C.(MW)	Total Capacity (MW)
CHAMBAL PROJECTS				
GANDHI SAGAR HPS	Madhya Pradesh	50.00	57.50	115.00
	Rajasthan	50.00	57.50	
JAWAHAR SAGAR HPS	Madhya Pradesh	50.00	49.50	99.00
	Rajasthan	50.00	49.50	
R P SAGAR HPS	Madhya Pradesh	50.00	86.00	172.00
	Rajasthan	50.00	86.00	
MACHKUND HPS	Andhra Pradesh	32.28	37.04	114.75
	Telangana	37.72	43.29	
	Odisha	30.00	34.42	
T B DAM HPS & HAMPI HPS	Andhra Pradesh	36.89	26.56	72.00
	Telangana	43.11	31.04	
	Karnataka	20.00	14.40	
PENCH HPS	Madhya Pradesh	66.67	106.66	160.00
	Maharashtra	33.33	53.34	
S SAROVAR CHPH HPS & S SAROVAR RBPH HPS	Gujarat	16.00	232.00	1450.00
	Madhya Pradesh	57.00	826.50	
	Maharashtra	27.00	391.50	
RAJGHAT HPS	Madhya Pradesh	50.00	22.50	45.00
	Uttar Pradesh	50.00	22.50	
RANJIT SAGAR HPS	Punjab	75.40	452.40	600.00
	Jammu & Kashmir	20.00	120.00	
	Himachal Pradesh	4.60	27.60	

Table 3.11
State-wise Installed Capacity of Renewable Power as on 31.03.2024

(MW)

S. No.	STATES / UTs	Small Hydro Power	Wind Power	Bio-Power					Solar Power	Total Capacity
				BM Power/Bagasse Cogen.	BM Cogen. (Non-Bagasse)	Waste to Energy	Waste to Energy (Off-grid)	Bio Power Total		
		(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)	(MW)
1	Andhra Pradesh	163.31	4096.65	378.10	113.57	53.16	29.56	574.39	4584.98	9419.33
2	Arunachal Pradesh	133.11						0.00	11.79	144.90
3	Assam	34.11			2.00			2.00	156.18	192.29
4	Bihar	70.70		112.50	26.40		1.32	140.22	239.23	450.15
5	Chhatisgarh	76.00		272.09	2.50		0.41	275.00	1212.39	1563.39
6	Goa	0.05				1.94		1.94	43.48	45.47
7	Gujarat	91.64	11722.72	65.30	12.00	7.50	27.68	112.48	13544.88	25471.72
8	Haryana	73.50		151.40	111.26	11.20	9.84	283.70	1475.72	1832.92
9	Himachal Pradesh	969.71			9.20		1.00	10.20	95.23	1075.14
10	Jammu & Kashmir	169.93						0.00	65.44	235.37
11	Jharkhand	4.05			19.10			19.10	162.40	185.55
12	Karnataka	1280.73	6019.61	1867.10	20.20	1.00	19.42	1907.72	8544.68	17752.74
13	Kerala	276.52	63.50		2.27		0.23	2.50	1022.79	1365.31
14	Ladakh	42.99						0.00	7.80	50.79
15	Madhya Pradesh	123.71	2844.29	92.50	14.85	15.40	12.19	134.94	3995.43	7098.37
16	Maharashtra	382.28	5207.98	2568.00	16.40	12.59	46.20	2643.19	6249.67	14483.12
17	Manipur	5.45						0.00	13.04	18.49
18	Meghalaya	55.03			13.80			13.80	4.24	73.07
19	Mizoram	45.47						0.00	30.31	75.78
20	Nagaland	32.67						0.00	3.17	35.84
21	Odisha	115.63		50.40	8.82			59.22	495.63	670.48
22	Punjab	176.10		299.50	231.79	10.75	25.21	567.25	1324.27	2067.62
23	Rajasthan	23.85	5195.82	119.25	2.00		4.39	125.64	21347.58	26692.89
24	Sikkim	55.11						0.00	7.04	62.15
25	Tamil Nadu	123.05	10603.54	969.10	43.55	6.40	26.40	1045.45	8211.38	19983.42
26	Telangana	90.87	128.10	158.10	3.30	45.80	14.47	221.67	4758.16	5198.80
27	Tripura	16.01						0.00	18.46	34.47
28	Uttar Pradesh	49.10		1957.50	165.26		103.38	2226.14	2920.33	5195.57
29	Uttarakhand	218.82		72.72	60.00		9.52	142.24	575.53	936.59
30	West Bengal	98.50		300.00	43.52		4.84	348.36	194.07	640.93
31	Andaman & Nicobar	5.25						0.00	29.91	35.16
32	Chandigarh							0.00	65.52	65.52
33	Dadar & Nagar Haveli							0.00	5.46	5.46
34	Daman & Diu					84.00		84.00	41.01	125.01
35	Delhi							0.00	256.51	256.51
36	Lakshwadeep							0.00	4.97	4.97
37	Pondicherry							0.00	49.91	49.91
38	Others		4.30						45.01	49.31
	Total (MW)	**5003.25**	**45886.51**	**9433.56**	**921.79**	**249.74**	**336.06**	**10941.15**	**81813.60**	**143644.51**

Source: MNRE

Chapter 4

Electricity Generation

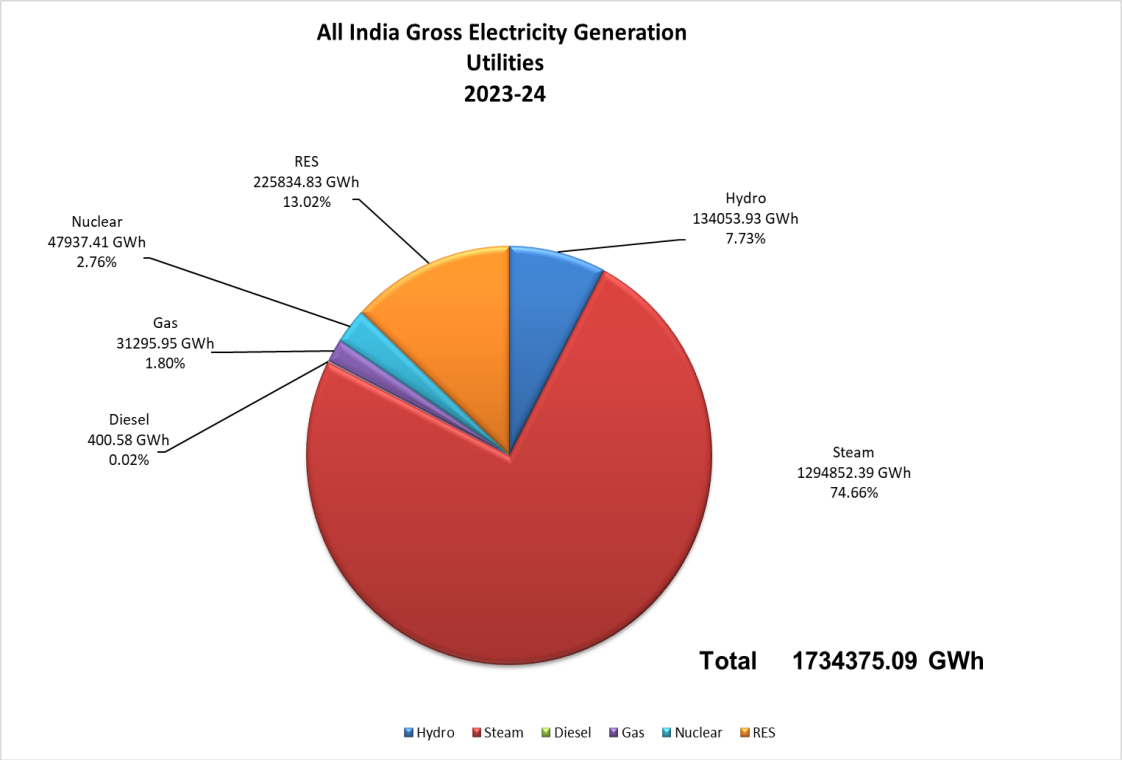
Generation - Utilities

- The All-India gross electricity generation by the Utilities during the year 2023-24 was 1734375.09 GWh as compared to 1617904.85 GWh during 2022-23.

- **During the year 2023-24, the All-India generation from utilities has shown an increase of 7.20%.**

- During the year 2023-24, the generation from Hydro, Thermal, Nuclear and Renewable Energy Sources (excluding large hydro) has been 134053.93 GWh, 1326548.92 GWh, 47937.41 GWh and 225834.83 GWh respectively.

- The respective percentage of this generation with respect to gross generation from Hydro, Thermal, Nuclear and Renewable Energy Sources (excluding large hydro) has been 7.73%, 76.49%, 2.76% & 13.02% respectively.

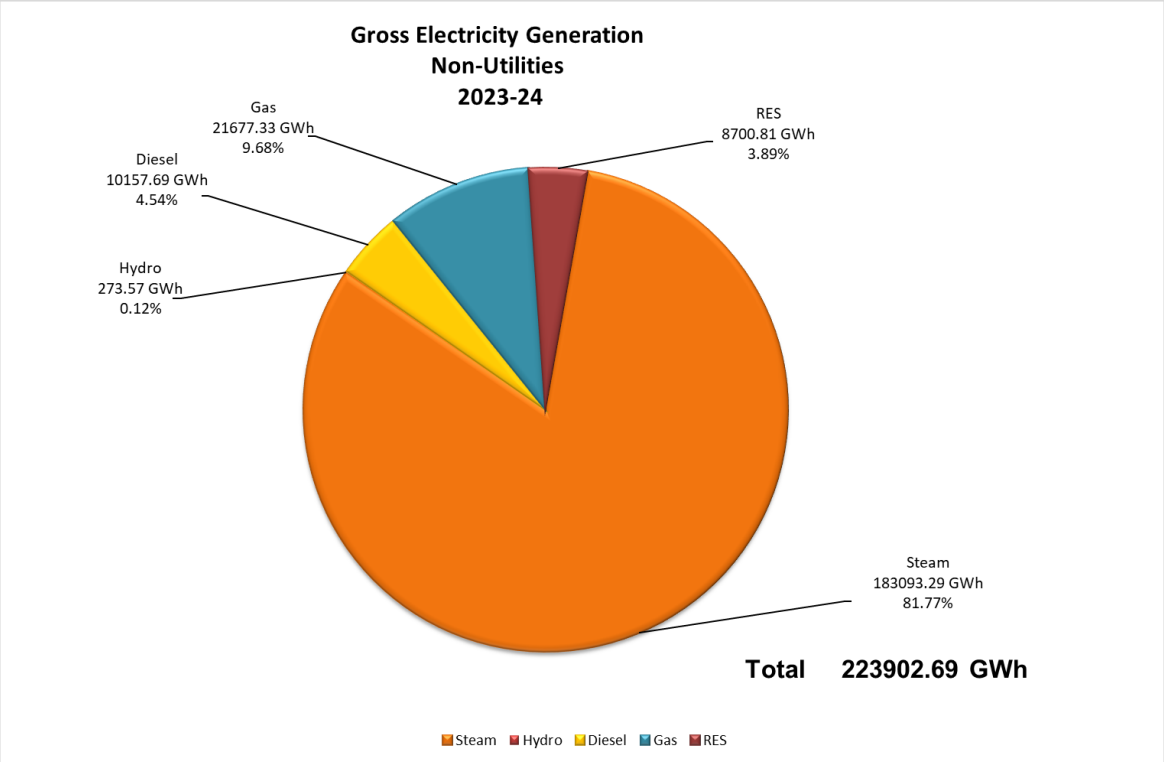


- **Total generation from thermal sources (Coal, Lignite, Diesel and Gas) is highest and about 76.49% of the total generation.**
- The total generation from Renewable Energy Sources (RES) including large hydro is about 20.75% in the FY 2023-24.
- The Gross Generation during 2023-24 in Central, State and Private Sector was 586424.86 GWh, 470243.22 GWh and 677707.00 GWh constituting 33.81%, 27.11% and 39.07% respectively.
- Private Sector has the largest share in total generation followed by Central Sector.
- **During the period 2014-24 the Generation from RES (excluding large Hydro) has grown from 61785 GWh during FY 2013-14 to 225835 GWh during FY 2023-24 registering a CAGR of 13.84 %.**

Generation - Non-Utilities (Only Captive)

- Besides electricity generation by the Public Utilities, during the year under review captive electricity generating plants of industries in the Industrial Sector having demand of 0.5 MW & above have produced 223902.69 GWh comprising 273.57 GWh from hydro, 183093.29 GWh from steam, 10157.69 GWh from diesel, 21677.33 GWh from gas and 8700.81 GWh from RES respectively.

- Gross generation from steam based captive Power Plants is a major contributor amounting to about 82% of the total captive generation.

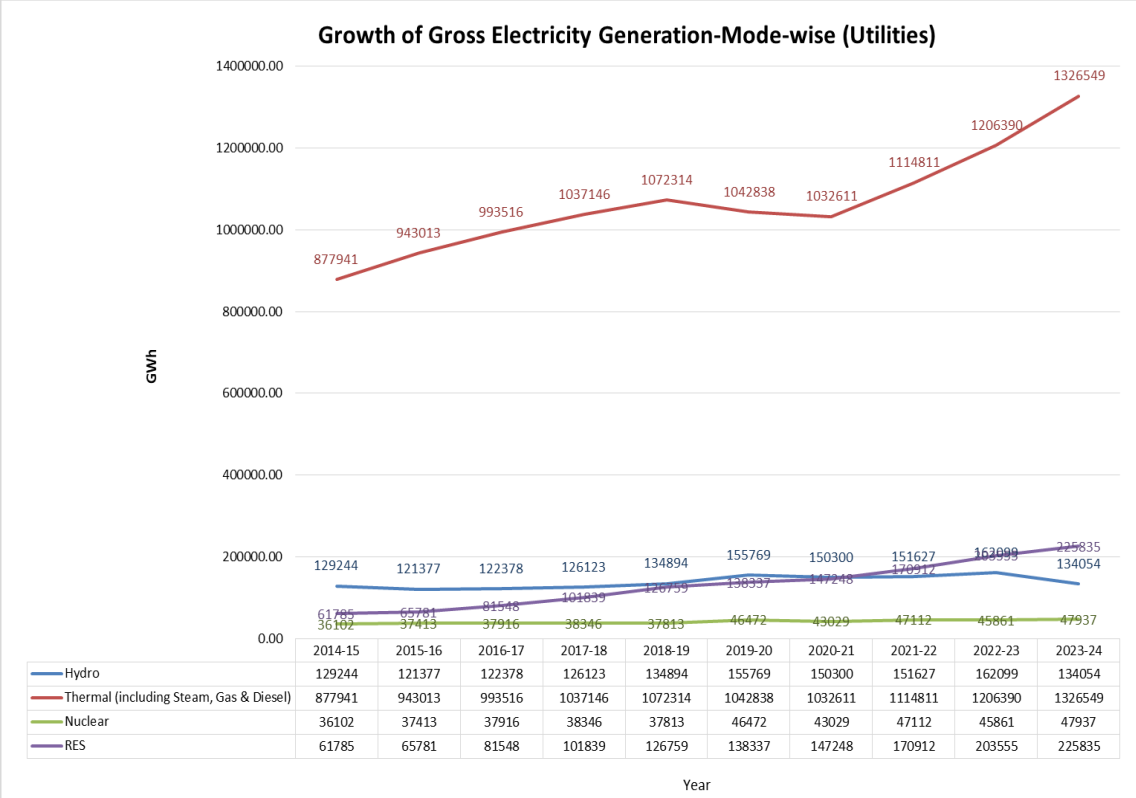


Total Generation (Utilities + non-utilities)

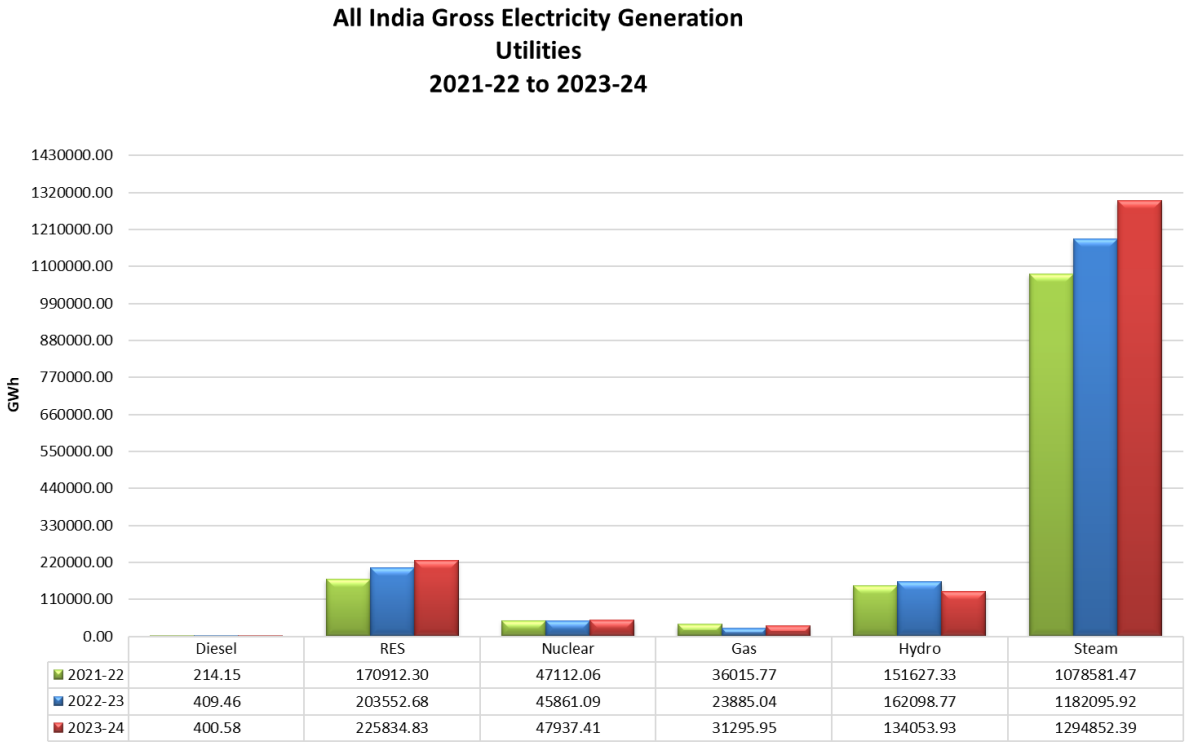
- The total electricity produced in the country including non-utilities during the year 2023-24 was 1958277.78 GWh as compared to 1829836.66 GWh during the year 2022-23.

- **Thus, the electricity generation has registered an increase of 7.02% over previous year's generation.**

Tables 4.1 to 4.7 give break-up details of electrical energy generation Mode-wise, State-wise, Region-wise and Sector-wise.



	2014-15	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	2021-22	2022-23	2023-24
Hydro	129244	121377	122378	126123	134894	155769	150300	151627	162099	134054
Thermal (including Steam, Gas & Diesel)	877941	943013	993516	1037146	1072314	1042838	1032611	1114811	1206390	1326549
Nuclear	36102	37413	37916	38346	37813	46472	43029	47112	45861	47937
RES	61785	65781	81548	101839	126759	138337	147248	170912	203555	225835



	Diesel	RES	Nuclear	Gas	Hydro	Steam
2021-22	214.15	170912.30	47112.06	36015.77	151627.33	1078581.47
2022-23	409.46	203552.68	45861.09	23885.04	162098.77	1182095.92
2023-24	400.58	225834.83	47937.41	31295.95	134053.93	1294852.39

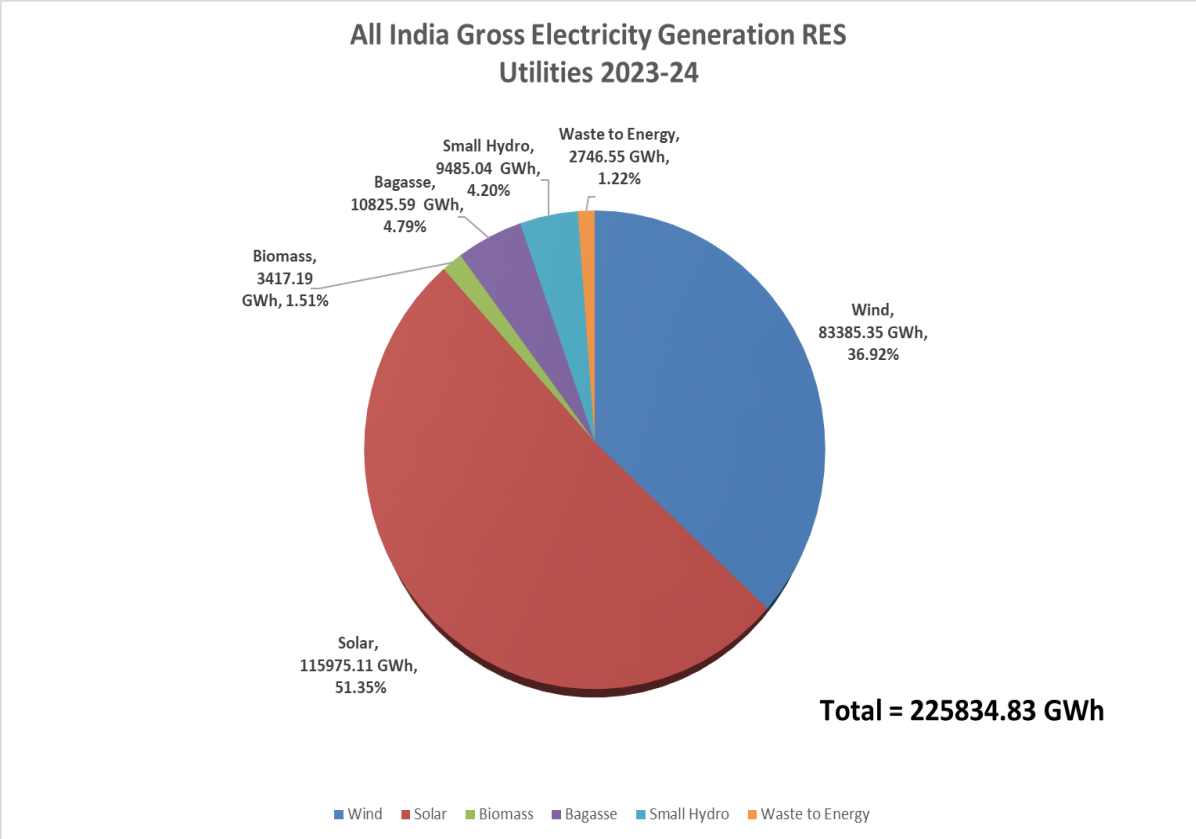

All India Gross Electricity Generation RES Utilities 2023-24
Waste to Energy, 2746.55 GWh, 1.22%
Small Hydro, 9485.04 GWh, 4.20%
Bagasse, 10825.59 GWh, 4.79%
Biomass, 3417.19 GWh, 1.51%
Wind, 83385.35 GWh, 36.92%
Solar, 115975.11 GWh, 51.35%
Total = 225834.83 GWh
Wind
Solar
Biomass
Bagasse
Small Hydro
Waste to Energy

Table 4.1

All India Gross Electricity Generation Mode-wise

Utilities & Non-utilities

2023-24

(GWh)

Sl. No.	Year	Gross Electricity Generation (GWh)							
		Hydro	Thermal				Nuclear	RES	Total (3+7+8+9)
			Steam	Diesel	Gas	Total(Thermal) (4+5+6)			
1	2	3	4	5	6	7	8	9	10
(i)	Utilities Gross Electrical Energy Generation								
	2022-23	162098.77	1182095.92	409.46	23885.04	1206390.42	45861.09	203554.56	1617904.85
	2023-24	134053.93	1294852.39	400.58	31295.95	1326548.92	47937.41	225834.83	1734375.09
	% Increase	-17.30	9.54	-2.17	31.03	9.96	4.53	10.95	7.20
(ii)	Non-utilities Gross Electrical Energy Generation (Industries Having Capacity 0.5 MW & Above)								
	2022-23	290.70	179831.20	2035.36	21086.63	202953.19	0.00	8687.92	211931.81
	2023-24	273.57	183093.29	10157.69	21677.33	214928.31	0.00	8700.81	223902.69
	% Increase	-5.89	1.81	399.06	2.80	5.90	0.00	0.15	5.65
(iii)	Total Gross Electrical Energy Generation (i+ii)								
	2022-23	162389.47	1361927.12	2444.83	44971.67	1409343.62	45861.09	212242.48	1829836.66
	2023-24	134327.50	1477945.68	10558.27	52973.28	1541477.23	47937.41	234535.64	1958277.78
	% Increase	-17.28	8.52	331.86	17.79	9.38	4.53	10.50	7.02

Table 4.2

All India Gross Electricity Generation Ownership-wise and Mode-wise

Utilities

2023-24

(GWh)

Sl. No.	State/UTs	Gross Electricity Generation (GWh)							
		Hydro	Thermal				Nuclear	RES	Total (2+6+7+8)
			Steam	Diesel	Gas	Total (Thermal) (3+4+5)			
	1	2	3	4	5	6	7	8	9
1	**Public Sector**								
1.1	Elect.Deptt./Govt.Undertakings / Corpns,/Joint Ventures	61667.65	392323.26	155.14	11451.31	403929.71	0.00	4645.86	470243.22
1.2	Central Sector	58145.83	460311.65	0.00	12215.86	472527.51	47937.41	7814.11	586424.86
	Sub-total Public Sector	**119813.48**	**852634.91**	**155.14**	**23667.17**	**876457.22**	**47937.41**	**12459.97**	**1056668.08**
2	**Private Sector**								
2.1	Private Companies	14240.45	442217.48	245.44	7628.78	450091.70	0.00	213374.85	677707.00
	Sub total Private Sector	**14240.45**	**442217.48**	**245.44**	**7628.78**	**450091.70**	**0.00**	**213374.85**	**677707.00**
	Total All India	**134053.93**	**1294852.39**	**400.58**	**31295.95**	**1326548.92**	**47937.41**	**225834.83**	**1734375.09**

Note: BBMB & DVC Generation is considered under central sector

Table 4.3
All India Gross Electricity Generation State-wise
Utilities
2023-24

(GWh)

State/UTs	2022-23	2023-24	% INCREASE
Chandigarh	12.61	11.70	-7.22
Delhi	7155.27	7625.66	6.57
Haryana	31077.03	28076.01	-9.66
Himachal Pradesh	13761.20	12565.43	-8.69
UT of J&K and Ladakh	5751.71	5559.07	-3.35
Punjab	46940.59	48491.92	3.30
Rajasthan	99407.94	109105.90	9.76
Uttar Pradesh	88045.10	88255.40	0.24
Uttarakhand	10744.39	10403.04	-3.18
Central Sector NR	146565.18	148217.81	1.13
Sub Total (NR)	**449461.01**	**458311.94**	**1.97**
Chhattisgarh	87434.56	106684.54	22.02
Gujarat	79899.25	112043.26	40.23
Madhya Pradesh	74464.42	83335.19	11.91
Maharashtra	132439.63	142359.64	7.49
Dadar & Nagar Haveli and Daman &	30.62	28.86	-5.76
Goa	18.25	67.61	270.38
Central Sector WR	154375.04	163262.05	5.76
Sub Total (WR)	**528661.77**	**607781.14**	**14.97**
Andhra Pradesh	68875.39	78317.51	13.71
Telangana	48230.84	46051.34	-4.52
Karnataka	66261.69	71794.92	8.35
Kerala	9669.87	7048.79	-27.11
Tamil Nadu	64699.66	77994.84	20.55
Puducherry	245.31	236.34	-3.66
Lakshadweep	58.59	64.88	10.73
Central Sector SR	100336.46	97284.69	-3.04
Sub Total (SR)	**358377.81**	**378793.32**	**5.70**
Bihar	288.85	342.08	18.43
Jharkhand	15618.36	16121.69	3.22
Odisha	36594.62	38147.57	4.24
West Bengal	50617.71	49625.88	-1.96
Sikkim	4212.20	3354.28	-20.37
A.& N. Islands	383.29	369.33	-3.64
Central Sector ER	150509.30	159810.84	6.18
Sub Total (ER)	**258224.33**	**267771.67**	**3.70**
Arunachal Pradesh	24.85	2.55	-89.75
Assam	2434.45	2321.97	-4.62
Manipur	8.79	8.96	1.84
Meghalaya	1051.89	875.13	-16.80
Mizoram	62.27	99.11	59.17
Nagaland	111.95	81.14	-27.52
Tripura	551.23	478.69	-13.16
Central Sector NER	18934.48	17849.47	-5.73
Sub Total (NER)	**23179.91**	**21717.02**	**-6.31**
Central Sector All India	**570720.46**	**586424.86**	**2.75**
Total All India	**1617904.85**	**1734375.09**	**7.20**

Niote: (1) (-ve) figures in the states & region sub-total are either due to retirements or change of sector.

(2) State wise Generation includes State Sector and Private Sector electricity Generation.

(3) BBMB & DVC Generation is considered under central sector

Table 4.4
All India Gross Electricity Generation Mode-wise/ Region-wise/ State-wise
Utilities Only
2023-24

(GWh)

State/UTs	Hydro	Thermal				Nuclear	R E S	Total
		Steam	Diesel	Gas	Total Thermal			
1	2	3	4	5	6(3+4+5)	7	8	9(2+6+7+8)
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	11.70	11.70
Delhi	0.00	3672.61	0.00	3224.37	6896.98	0.00	728.68	7625.66
Haryana	715.60	25449.48	0.00	265.39	25714.87	0.00	1645.54	28076.01
Himachal Pradesh	9979.97	0.00	0.00	0.00	0.00	0.00	2585.46	12565.43
UT of J&K and Ladakh	5150.38	0.00	0.00	0.00	0.00	0.00	408.69	5559.07
Punjab	4227.33	39876.80	0.00	265.39	40142.19	0.00	4122.40	48491.92
Rajasthan	1118.66	64066.48	0.00	790.10	64856.58	0.00	43130.66	109105.90
Uttar Pradesh	1618.52	80295.63	0.00	0.00	80295.63	0.00	6341.25	88255.40
Uttarakhand	8049.99	813.24	0.00	609.78	1423.02	0.00	930.03	10403.04
Central Sector NR	45032.69	86252.79	0.00	2111.32	88364.11	9934.30	4886.71	148217.81
Sub Total (NR)	**75893.14**	**300427.03**	**0.00**	**7266.35**	**307693.38**	**9934.30**	**64791.12**	**458311.94**
Chhattisgarh	321.76	103885.34	0.00	0.00	103885.34	0.00	2477.44	106684.54
Gujarat	1448.56	65952.57	0.00	6872.04	72824.61	0.00	37770.09	112043.26
Madhya Pradesh	4528.58	69682.92	0.00	0.00	69682.92	0.00	9123.69	83335.19
Maharashtra	6018.59	114892.32	0.00	2750.45	117642.77	0.00	18698.28	142359.64
Dadar & Nagar Haveli and Da	0.00	0.00	0.00	0.00	0.00	0.00	28.86	28.86
Goa	0.00	0.00	0.00	0.00	0.00	0.00	67.61	67.61
Central Sector WR	4470.50	139256.97	0.00	2533.40	141790.37	15689.24	1311.94	163262.05
Sub Total (WR)	**16787.99**	**493670.12**	**0.00**	**12155.89**	**505826.01**	**15689.24**	**69477.90**	**607781.14**
Andhra Pradesh	1688.20	59599.87	0.00	2.41	59602.28	0.00	17027.03	78317.51
Telangana	1611.40	37133.71	0.00	0.00	37133.71	0.00	7306.23	46051.34
Karnataka	8894.16	32374.21	0.00	0.00	32374.21	0.00	30526.55	71794.92
Kerala	5155.72	0.00	0.00	0.00	0.00	0.00	1893.07	7048.79
Tamil Nadu	3563.28	43474.24	0.00	1918.62	45392.86	0.00	29038.70	77994.84
Puducherry	0.00	0.00	0.00	224.10	224.10	0.00	12.24	236.34
Lakshadweep	0.00	0.00	64.79	0.00	64.79	0.00	0.09	64.88
Central Sector SR	0.00	73454.72	0.00	0.00	73454.72	22313.87	1516.10	97284.69
Sub Total (SR)	**20912.76**	**246036.75**	**64.79**	**2145.13**	**248246.67**	**22313.87**	**87320.02**	**378793.32**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	342.08	342.08
Jharkhand	96.84	16007.21	0.00	0.00	16007.21	0.00	17.64	16121.69
Odisha	5558.09	31339.84	0.00	0.00	31339.84	0.00	1249.64	38147.57
West Bengal	1683.07	46024.27	0.00	0.00	46024.27	0.00	1918.54	49625.88
Sikkim	3341.93	0.00	0.00	0.00	0.00	0.00	12.35	3354.28
A.& N. Islands	0.00	0.00	335.79	0.00	335.79	0.00	33.54	369.33
Central Sector ER	3496.37	156289.06	0.00	0.00	156289.06	0.00	25.41	159810.84
Sub Total (ER)	**14176.30**	**249660.38**	**335.79**	**0.00**	**249996.17**	**0.00**	**3599.20**	**267771.67**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	2.55	2.55
Assam	328.89	0.00	0.00	1678.75	1678.75	0.00	314.33	2321.97
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	8.96	8.96
Meghalaya	808.58	0.00	0.00	0.00	0.00	0.00	66.55	875.13
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	99.11	99.11
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	81.14	81.14
Tripura	0.00	0.00	0.00	478.69	478.69	0.00	0.00	478.69
Central Sector NER	5146.27	5058.11	0.00	7571.14	12629.25	0.00	73.95	17849.47
Sub Total (NER)	**6283.74**	**5058.11**	**0.00**	**9728.58**	**14786.69**	**0.00**	**646.59**	**21717.02**
Central Sector All India	**58145.83**	**460311.65**	**0.00**	**12215.86**	**472527.51**	**47937.41**	**7814.11**	**586424.86**
Total All India	**134053.93**	**1294852.39**	**400.58**	**31295.95**	**1326548.92**	**47937.41**	**225834.83**	**1734375.09**

Note: BBMB & DVC Generation is considered under central sector

Table 4.5
All India Gross Electricity Generation by Electricity Departments, Govt. Undertakings, Central Sector and Municipalities
Modewise
2023-24

(GWh)

State/UTs	Hydro	Thermal				Nuclear	R E S	Total
		Steam	Diesel	Gas	Total Thermal			
1	2	3	4	5	6(3+4+5)	7	8	9(2+6+7+8)
Electricity Departments/government Undertakings/corporations/central Sector								
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	3224.37	3224.37	0.00	0.00	3224.37
Haryana	715.60	11524.24	0.00	265.39	11789.63	0.00	185.86	12691.09
Himachal Pradesh	2702.27	0.00	0.00	0.00	0.00	0.00	668.70	3370.97
UT of J&K and Ladakh	5150.38	0.00	0.00	0.00	0.00	0.00	254.16	5404.54
Punjab	4227.33	11057.82	0.00	265.39	11323.21	0.00	462.27	16012.81
Rajasthan	1118.66	42374.65	0.00	790.10	43164.75	0.00	7.45	44290.86
Uttar Pradesh	1618.52	33704.12	0.00	0.00	33704.12	0.00	62.88	35385.52
Uttarakhand	4722.42	0.00	0.00	0.00	0.00	0.00	115.96	4838.38
Central Sector (NR)	45032.69	86252.79	0.00	2111.32	88364.11	9934.30	4886.71	148217.81
Sub Total (NR)	**65287.87**	**184913.62**	**0.00**	**6656.57**	**191570.19**	**9934.30**	**6644.00**	**273436.36**
Chhattisgarh	321.76	21068.45	0.00	0.00	21068.45	0.00	21.16	21411.37
Gujarat	1448.56	23827.32	0.00	834.47	24661.79	0.00	203.62	26313.97
Madhya Pradesh	4528.58	28609.05	0.00	0.00	28609.05	0.00	409.81	33547.44
Maharashtra	4437.51	55642.77	0.00	1769.02	57411.79	0.00	650.68	62499.98
Dadar & Nagar Haveli and Daman & Diu	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Central Sector (WR)	4470.50	139256.97	0.00	2533.40	141790.37	15689.24	1311.94	163262.05
Sub Total (WR)	**15206.91**	**268404.56**	**0.00**	**5136.89**	**273541.45**	**15689.24**	**2597.21**	**307034.81**
Andhra Pradesh	1688.20	32237.61	0.00	2.41	32240.02	0.00	52.94	33981.16
Telangana	1611.40	37133.71	0.00	0.00	37133.71	0.00	27.46	38772.57
Karnataka	8894.16	22313.44	0.00	0.00	22313.44	0.00	235.83	31443.43
Kerala	5155.72	0.00	0.00	0.00	0.00	0.00	537.70	5693.42
Tamil Nadu	3563.28	25479.11	0.00	1918.62	27397.73	0.00	205.42	31166.43
Puducherry	0.00	0.00	0.00	224.10	224.10	0.00	0.00	224.10
Lakshadweep	0.00	0.00	64.79	0.00	64.79	0.00	0.00	64.79
Central Sector (SR)	0.00	73454.72	0.00	0.00	73454.72	22313.87	1516.10	97284.69
Sub Total (SR)	**20912.76**	**190618.59**	**64.79**	**2145.13**	**192828.51**	**22313.87**	**2575.45**	**238630.59**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	5.92	5.92
Jharkhand	96.84	2374.59	0.00	0.00	2374.59	0.00	0.00	2471.43
Odisha	5558.09	11799.68	0.00	0.00	11799.68	0.00	52.93	17410.70
West Bengal	1683.07	33176.70	0.00	0.00	33176.70	0.00	216.60	35076.37
Sikkim	1287.83	0.00	0.00	0.00	0.00	0.00	12.35	1300.18
A.& N. Islands	0.00	0.00	90.35	0.00	90.35	0.00	12.00	102.35
Central Sector (ER)	3496.37	156289.06	0.00	0.00	156289.06	0.00	25.41	159810.84
Sub Total (ER)	**12122.20**	**203640.03**	**90.35**	**0.00**	**203730.38**	**0.00**	**325.20**	**216177.78**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.54	0.54
Assam	328.89	0.00	0.00	1678.75	1678.75	0.00	0.00	2007.64
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	808.58	0.00	0.00	0.00	0.00	0.00	66.55	875.13
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	95.93	95.93
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	81.14	81.14
Tripura	0.00	0.00	0.00	478.69	478.69	0.00	0.00	478.69
Central Sector (NER)	5146.27	5058.11	0.00	7571.14	12629.25	0.00	73.95	17849.47
Sub Total (NER)	**6283.74**	**5058.11**	**0.00**	**9728.58**	**14786.69**	**0.00**	**318.11**	**21388.54**
Total-I, (All India)	**119813.48**	**852634.91**	**155.14**	**23667.17**	**876457.22**	**47937.41**	**12459.974**	**1056668.08**

Note: BBMB & DVC Generation is considered under central sector

Table 4.6
All India Gross Electricity Generation by Private Sector
Modewise
2023-24

(GWh)

State/UTs	Hydro	Thermal				Nuclear	R E S	Total
		Steam	Diesel	Gas	Total Thermal			
1	2	3	4	5	6(3+4+5)	7	8	9(2+6+7+8)
Private Sector								
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.00	11.70	11.70
Delhi	0.00	3672.61	0.00	0.00	3672.61	0.00	728.68	4401.29
Haryana	0.00	13925.24	0.00	0.00	13925.24	0.00	1459.68	15384.92
Himachal Pradesh	7277.70	0.00	0.00	0.00	0.00	0.00	1916.75	9194.45
UT of J&K and Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	154.52	154.52
Punjab	0.00	28818.98	0.00	0.00	28818.98	0.00	3660.13	32479.11
Rajasthan	0.00	21691.83	0.00	0.00	21691.83	0.00	43123.21	64815.04
Uttar Pradesh	0.00	46591.51	0.00	0.00	46591.51	0.00	6278.36	52869.87
Uttarakhand	3327.57	813.24	0.00	609.78	1423.02	0.00	814.07	5564.66
Chhattisgarh	0.00	82816.89	0.00	0.00	82816.89	0.00	2456.27	85273.16
Gujarat	0.00	42125.25	0.00	6037.57	48162.82	0.00	37566.47	85729.29
Madhya Pradesh	0.00	41073.87	0.00	0.00	41073.87	0.00	8713.88	49787.75
Maharashtra	1581.08	59249.55	0.00	981.43	60230.98	0.00	18047.60	79859.66
Dadar & Nagar Haveli and Da	0.00	0.00	0.00	0.00	0.00	0.00	28.86	28.86
Goa	0.00	0.00	0.00	0.00	0.00	0.00	67.61	67.61
Andhra Pradesh	0.00	27362.26	0.00	0.00	27362.26	0.00	16974.10	44336.36
Telangana	0.00	0.00	0.00	0.00	0.00	0.00	7278.77	7278.77
Karnataka	0.00	10060.77	0.00	0.00	10060.77	0.00	30290.72	40351.49
Kerala	0.00	0.00	0.00	0.00	0.00	0.00	1355.37	1355.37
TamilNadu	0.00	17995.13	0.00	0.00	17995.13	0.00	28833.29	46828.42
Puducherry	0.00	0.00	0.00	0.00	0.00	0.00	12.24	12.24
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.09	0.09
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	336.16	336.16
Jharkhand	0.00	13632.62	0.00	0.00	13632.62	0.00	17.64	13650.26
Odisha	0.00	19540.16	0.00	0.00	19540.16	0.00	1196.71	20736.87
West Bengal	0.00	12847.57	0.00	0.00	12847.57	0.00	1701.94	14549.51
Sikkim	2054.10	0.00	0.00	0.00	0.00	0.00	0.00	2054.10
A.& N. Islands	0.00	0.00	245.44	0.00	245.44	0.00	21.54	266.98
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	2.01	2.01
Assam	0.00	0.00	0.00	0.00	0.00	0.00	314.33	314.33
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	8.96	8.96
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	3.19	3.19
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total-II, (All India)	**14240.45**	**442217.48**	**245.44**	**7628.78**	**450091.70**	**0.00**	**213374.85**	**677707.00**
All India Total (I+II)	**134053.93**	**1294852.39**	**400.58**	**31295.95**	**1326548.92**	**47937.41**	**225834.83**	**1734375.09**

Table 4.7

State-wise Electricity Generation by Renewable Power during 2023-24

(GWh)

Name of State/UT	Wind	Solar	Biomass	Bagasse	Small Hydro	Waste to Energy	Total
Chandigarh	0.00	11.70	0.00	0.00	0.00	0.00	11.70
Delhi	0.00	206.53	0.00	0.00	0.00	522.28	728.81
Haryana	0.00	992.91	294.12	83.60	222.05	58.82	1651.50
Himachal Pradesh	0.00	59.54	0.00	0.00	2526.98	0.00	2586.52
Jammu & Kashmir	0.00	0.00	0.00	0.00	408.69	0.00	408.69
Ladakh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punjab	0.00	2673.99	613.44	197.99	636.97	0.00	4122.40
Rajasthan	8390.67	38363.28	387.55	0.00	7.45	0.00	47148.96
Uttar Pradesh	0.00	3971.31	46.65	2923.55	175.24	84.85	7201.59
Uttarakhand	0.00	331.80	0.00	248.52	350.62	0.00	930.94
Northern Region	**8390.67**	**46611.07**	**1341.76**	**3453.66**	**4328.01**	**665.95**	**64791.12**
Chhattisgarh	0.00	943.75	1368.61	19.54	145.54	0.00	2477.44
Gujarat	24794.50	13468.91	0.00	2.13	217.68	0.00	38483.22
Madhya Pradesh	4949.78	4025.19	84.62	97.01	469.60	28.83	9655.02
Maharashtra	8228.97	5814.13	304.61	3495.82	888.48	33.40	18765.41
Dadar & Nagar Haveli and Daman	0.00	15.74	13.12	0.00	0.00	0.00	28.86
Goa	0.00	59.99	0.00	0.00	0.00	7.96	67.95
Western Region	**37973.25**	**24327.70**	**1770.96**	**3614.50**	**1721.30**	**70.19**	**69477.90**
Andhra Pradesh	8644.00	8300.03	18.75	66.63	127.10	307.97	17464.48
Telangana	304.63	6884.68	10.57	95.08	58.87	155.29	7509.10
Karnataka	10950.20	15404.09	47.45	2754.06	1370.76	0.00	30526.55
Kerala	214.53	1195.28	0.00	78.08	716.31	0.04	2204.24
Tamil Nadu	16908.08	11737.48	129.14	622.61	206.00	0.00	29603.31
Lakshadweep	0.00	0.09	0.00	0.00	0.00	0.00	0.09
Puducherry	0.00	12.24	0.00	0.00	0.00	0.00	12.24
Southern Region	**37021.43**	**43533.89**	**205.91**	**3616.46**	**2479.03**	**463.31**	**87320.02**
Andaman & Nicobar	0.00	27.50	0.00	0.00	12.00	0.00	39.50
Bihar	0.00	195.19	0.00	140.98	5.92	0.00	342.08
Jharkhand	0.00	17.64	0.00	0.00	5.52	0.00	23.16
Odisha	0.00	757.69	96.07	0.00	407.97	0.00	1261.72
Sikkim	0.00	0.00	0.00	0.00	12.35	0.00	12.35
West Bengal	0.00	168.32	2.49	0.00	204.46	1545.13	1920.39
Eastern Region	**0.00**	**1166.33**	**98.55**	**140.98**	**648.22**	**1545.13**	**3599.20**
Arunachal Pradesh	0.00	1.89	0.00	0.00	0.66	0.00	2.55
Assam	0.00	316.31	0.00	0.00	64.20	0.75	381.26
Manipur	0.00	7.73	0.00	0.00	0.00	1.23	8.96
Meghalaya	0.00	0.00	0.00	0.00	66.55	0.00	66.55
Mizoram	0.00	3.19	0.00	0.00	95.93	0.00	99.11
Nagaland	0.00	0.00	0.00	0.00	81.14	0.00	81.14
Tripura	0.00	7.01	0.00	0.00	0.00	0.00	7.01
North Eastern Region	**0.00**	**336.12**	**0.00**	**0.00**	**308.48**	**1.98**	**646.59**
All India Total	**83385.35**	**115975.11**	**3417.19**	**10825.59**	**9485.04**	**2746.55**	**225834.83**

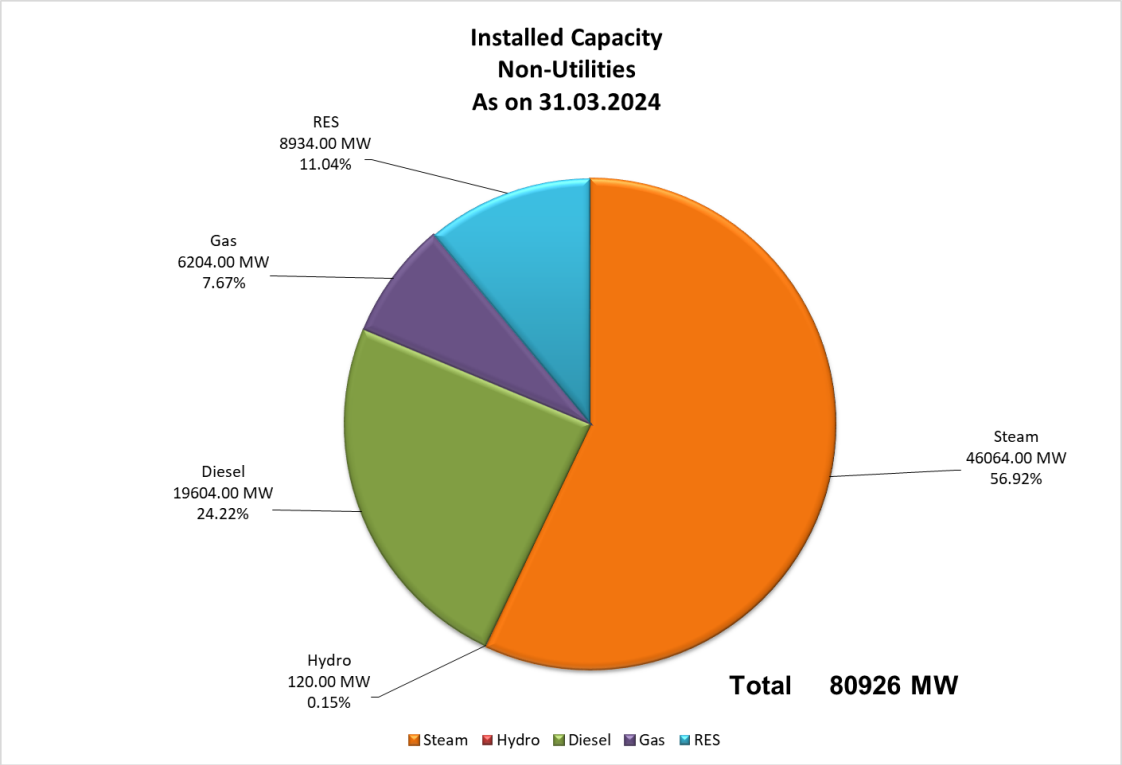
Chapter 5

Captive Power Plants

Power intensive Industries such as Aluminium, Cement, Chemicals, Fertilizers, Iron & Steel, Paper and Sugar etc. have set up their own captive power plants, either to supplement the electricity purchased from the Utilities, or for emergency use to protect against unreliable grid power such as power restriction/failure/cut. Energy is also produced as a by-product of certain industrial processes. The captive power plants of industries may be allowed to sell their surplus power, if any, to the Grid, on a remunerative tariff, as per mutually agreed terms.

The information has been collected from the industries with demand of 0.5 MW and above having their own captive power plants. The same has been compiled in this section of the book. Details were received from 9991 industrial units with demand of 0.5 MW and above having Captive generation plants

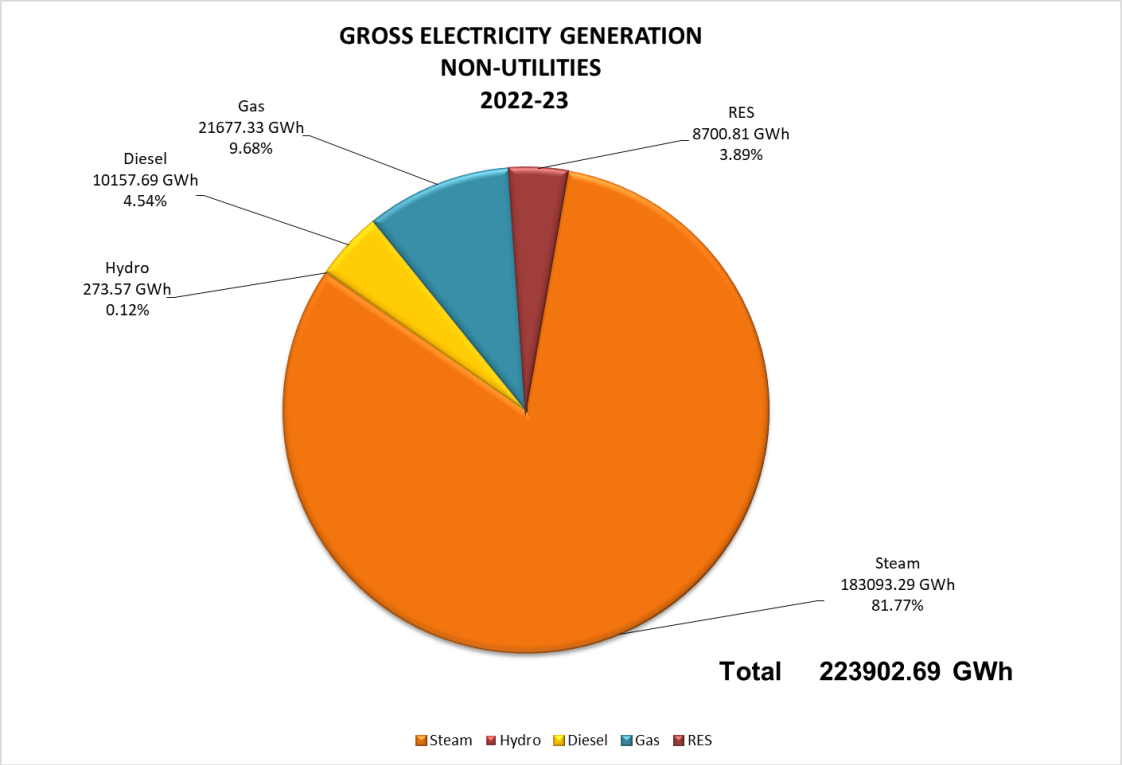
- The total installed capacity of such captive generating power plants was 80926.07 MW as on 31.03.2024.
- **The installed capacity has registered a growth of 3.22% over the total installed captive power plant capacity of 78399.82 MW as on 31.03.2023.**
- The contribution of Hydro, Steam, Diesel, Gas and RES capacity had been 0.15%, 59.92%, 24.22%, 7.67% & 11.04% respectively in the total capacity as on 31.03.2024.



- **The Captive Power Plant generated 223902.69 GWh during 2023-24 and registered an increase of 5.65% over the generation of 211931.81 GWh during 2022-23.**

- The contribution of Hydro, Steam, Diesel, Gas and RES generation had been 0.12%, 81.77%, 4.54%, 9.68% and 3.89% respectively in the total captive generation.

- **In the year 2022-23, Industrial Sector is the largest consumer of energy which has consumed about 42.26% of total electricity consumption in the country.**



The Tables 5.1 to 5.11 give the details of electricity generation, consumption and installed capacity of captive electricity plants mode-wise, industry-wise & state-wise in respect of Industries with demand of 0.5 MW & above and having Captive generation plants.

Table 5.1
Industry-wise Break-up Of Installed Capacity, Electricity Generation And Consumption
2023-24

Name of Industry	No. of Industries covered	Installed Generating Capacity (MW)	Energy Generation (GWh)	Energy Consumption (GWh)
Aluminium	73	9813.90	51782.81	52316.70
Automobiles	614	2139.60	1959.55	6340.87
Cement	454	7271.77	18523.39	27638.57
Chemical	766	5912.57	16294.59	25129.44
Collieries	16	252.20	239.31	951.50
Electrical Engineering	263	1730.07	2726.38	4258.26
Fertiliser	93	1404.48	4152.41	5279.76
Food Products	628	1602.21	1813.69	5845.89
Heavy Engineering	145	624.06	712.38	1371.91
Iron & Steel	873	15010.83	60957.00	83202.90
Jute	28	55.78	35.88	205.54
Light Engineering	402	1191.41	863.42	3966.55
Mineral Oil & Petroleum	225	5140.66	20748.29	24444.49
Mining & Quarrying	68	395.74	1199.13	2864.48
Miscellaneous	3148	12641.90	10709.43	27806.83
Non Ferrous	80	1207.05	4997.76	6220.04
Paper	211	1853.55	7151.87	8309.05
Plastic	135	308.30	447.19	959.91
Rubber	132	458.08	343.84	2121.69
Sugar	476	6809.47	12922.11	10163.33
Textile	1103	4913.10	5313.94	20341.69
Non Industry	58	189.36	8.31	218.92
All India(Non-Utilities)	**9991**	**80926.07**	**223902.69**	**319958.33**

Table 5.2
All India Installed Capacity Of Captive Power Plants In Industries Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(MW)

State/UTs	Aluminium	Automobiles	Cement	Chemical	Collieries	Electrical Engineering	Fertiliser	Food Products
	1	2	3	4	5	6	7	8
Chandigarh	0.00	2.00	0.00	0.00	0.00	5.07	0.00	0.00
Delhi	0.00	2.00	0.00	0.00	0.00	1.02	0.00	5.01
Haryana	9.77	859.76	44.62	150.83	0.00	165.33	6.29	161.40
Himachal Pradesh	0.00	11.77	103.41	60.44	0.00	25.06	0.00	24.48
UT of J&K and Ladal	0.00	0.00	0.00	1.80	0.00	0.00	0.00	4.81
Punjab	2.91	130.01	32.40	107.03	0.00	15.34	86.12	247.74
Rajasthan	3.25	157.67	1800.85	126.29	0.00	53.07	0.40	87.60
Uttar Pradesh	931.85	60.62	243.87	64.97	0.00	37.37	194.98	104.91
Uttarakhand	0.75	62.75	4.60	55.96	0.00	7.94	0.00	69.07
Sub-Total (NR)	**948.53**	**1286.57**	**2229.75**	**567.32**	**0.00**	**310.20**	**287.78**	**705.02**
Chhattisgarh	1753.50	0.00	650.43	34.60	0.00	47.71	0.00	5.50
Gujarat	0.00	22.87	274.66	2015.44	23.00	71.85	350.52	232.90
Madhya Pradesh	0.00	11.44	845.59	258.68	0.00	102.84	129.73	88.21
Maharashtra	13.83	406.88	220.38	798.09	0.00	163.67	210.22	44.01
DNH & DD	2.40	0.00	0.00	9.24	0.00	14.81	0.00	0.00
Goa	0.00	0.00	0.27	4.84	0.00	0.00	14.00	21.60
Sub-Total (WR)	**1769.73**	**441.19**	**1991.33**	**3120.90**	**23.00**	**400.88**	**704.47**	**392.22**
Andhra Pradesh	230.68	4.88	655.83	233.43	0.00	39.88	36.04	131.18
Telangana	7.32	11.06	676.48	452.74	219.00	197.97	0.00	29.05
Karnataka	9.49	83.19	728.06	165.51	0.00	114.97	0.00	57.60
Kerala	0.00	0.00	1.38	74.61	9.00	33.00	4.00	4.60
Tamil Nadu	9.83	281.34	651.83	191.20	0.00	615.39	60.66	196.46
Puducherry	0.00	4.59	0.00	52.18	0.00	0.00	0.00	4.90
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (SR)	**257.32**	**385.04**	**2713.57**	**1169.67**	**228.00**	**1001.21**	**100.70**	**423.78**
Bihar	0.00	0.00	31.00	0.00	0.00	0.00	53.70	37.22
Jharkhand	34.52	11.48	54.00	114.90	0.00	0.00	0.00	0.00
Odisha	6803.80	3.30	154.89	381.06	1.20	0.00	173.03	6.00
West Bengal	0.00	12.02	45.93	464.74	0.00	16.07	54.80	29.03
Sikkim	0.00	0.00	0.00	18.29	0.00	0.00	0.00	1.40
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (ER)	**6838.33**	**26.80**	**285.81**	**979.00**	**1.20**	**16.07**	**281.53**	**73.65**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	25.20	75.69	0.00	1.70	30.00	7.54
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	26.10	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (NER)	**0.00**	**0.00**	**51.30**	**75.69**	**0.00**	**1.70**	**30.00**	**7.54**
Total (All India)	**9813.90**	**2139.60**	**7271.77**	**5912.57**	**252.20**	**1730.07**	**1404.48**	**1602.21**

Table 5.2 (Contd.)
All India Installed Capacity Of Captive Power Plants In Industries Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(MW)

State/UTs	Heavy Engineerin	Iron & Steel	Jute	Light Engineering	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous
	9	10	11	12	13	14	15
Chandigarh	0.00	11.50	0.00	4.04	0.00	0.00	49.72
Delhi	0.03	0.00	0.00	0.93	1.96	0.00	369.73
Haryana	84.90	255.76	0.00	48.65	483.75	2.30	2479.48
Himachal Pradesh	0.00	4.72	0.00	4.90	1.11	0.00	118.17
UT of J&K and	0.00	3.01	0.00	0.00	0.00	0.00	0.00
Punjab	14.05	218.88	0.00	66.34	189.77	0.00	466.98
Rajasthan	10.15	26.98	0.00	33.32	65.70	224.94	470.36
Uttar Pradesh	29.72	132.90	5.89	43.45	217.66	0.00	516.30
Uttarakhand	7.20	3.48	0.00	7.06	7.38	0.00	151.95
Sub-Total (N R)	**146.06**	**657.23**	**5.89**	**208.69**	**967.33**	**227.24**	**4622.69**
Chhattisgarh	0.00	3196.92	0.00	0.00	12.00	15.79	6.00
Gujarat	34.37	690.21	0.00	57.55	1894.20	29.58	1387.50
Madhya Pradesh	49.47	40.51	0.00	1.68	34.73	10.52	109.63
Maharashtra	59.75	1625.45	0.00	96.16	484.23	0.00	1591.40
DNH & DD	1.00	0.00	0.00	0.00	2.63	0.50	16.77
Goa	0.00	16.62	0.00	3.50	0.00	1.71	33.12
Sub-Total (W R)	**144.59**	**5569.72**	**0.00**	**158.88**	**2427.78**	**58.09**	**3144.42**
Andhra Pradesh	167.20	862.66	5.29	58.91	322.75	14.50	327.05
Telangana	41.41	30.73	0.00	37.45	0.00	8.03	435.80
Karnataka	73.61	1328.70	14.30	165.86	307.43	62.27	1504.97
Kerala	4.31	0.83	0.00	9.25	203.88	3.45	147.51
Tamil Nadu	46.89	805.18	0.00	545.47	430.95	0.00	1357.95
Puducherry	0.00	7.50	0.00	6.89	3.60	0.00	46.45
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**333.42**	**3035.60**	**19.59**	**823.84**	**1268.61**	**88.25**	**3819.72**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	54.55
Jharkhand	0.00	1238.08	0.00	0.00	1.10	16.00	21.05
Odisha	0.00	3924.75	0.00	0.00	0.80	4.53	764.50
West Bengal	0.00	571.64	30.30	0.00	111.57	1.62	206.22
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**0.00**	**5734.47**	**30.30**	**0.00**	**113.47**	**22.15**	**1046.33**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00	363.47	0.00	8.75
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	13.80	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**13.80**	**0.00**	**0.00**	**363.47**	**0.00**	**8.75**
Total (All India)	**624.06**	**15010.83**	**55.78**	**1191.41**	**5140.66**	**395.74**	**12641.90**

Table 5.2 (Contd)
All India Installed Capacity Of Captive Power Plants In Industries Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(MW)

State/UTs	Non Ferrous	Paper	Plastic	Rubber	Sugar	Textile	Non Industry	Total (1 to 22)
	16	17	18	19	20	21	22	23
Chandigarh	0.63	0.00	0.00	0.00	0.00	1.00	1.51	75.47
Delhi	5.38	0.00	0.00	0.00	0.00	0.00	2.25	388.30
Haryana	36.06	55.85	24.07	55.89	93.66	138.41	155.13	5311.92
Himachal Pradesh	1.60	21.81	7.00	2.35	0.00	95.20	0.00	482.04
UT of J&K and	0.00	0.00	0.00	0.00	0.00	18.71	0.00	28.33
Punjab	9.03	230.02	4.76	27.71	196.47	368.43	12.46	2426.43
Rajasthan	730.48	1.08	41.57	30.08	4.95	341.53	0.00	4210.27
Uttar Pradesh	0.00	59.77	10.44	7.84	2935.77	84.94	0.00	5683.24
Uttarakhand	4.43	133.51	39.17	56.99	84.00	17.12	0.00	713.36
Sub-Total (N R)	**787.61**	**502.05**	**127.02**	**180.86**	**3314.85**	**1065.34**	**171.35**	**19319.36**
Chhattisgarh	0.00	7.30	15.77	0.00	18.00	49.37	0.00	5812.89
Gujarat	299.75	119.41	7.18	36.38	22.88	837.24	0.00	8407.50
Madhya Pradesh	0.00	140.74	10.91	25.55	59.35	156.68	0.00	2076.24
Maharashtra	0.00	178.39	10.74	12.06	872.36	337.78	0.00	7125.39
DNH & DD	3.02	0.00	4.07	0.00	0.00	35.38	0.00	89.82
Goa	0.00	0.00	0.00	11.52	0.00	0.00	0.00	107.18
Sub-Total (W R)	**302.77**	**445.84**	**48.66**	**85.52**	**972.60**	**1416.45**	**0.00**	**23619.02**
Andhra Pradesh	0.00	87.12	0.00	0.00	262.15	78.91	0.50	3518.96
Telangana	7.07	206.78	1.49	8.70	167.98	28.54	0.00	2567.58
Karnataka	49.88	133.09	0.00	15.11	1481.76	76.41	1.21	6373.41
Kerala	21.00	25.52	0.00	5.96	0.00	3.85	0.00	552.13
Tamil Nadu	32.32	332.38	80.81	131.50	533.46	2213.68	15.30	8532.60
Puducherry	0.00	0.00	1.17	28.46	7.37	4.30	1.00	168.41
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**110.26**	**784.88**	**83.47**	**189.74**	**2452.70**	**2405.69**	**18.01**	**21713.09**
Bihar	0.00	0.00	0.00	0.00	67.33	0.00	0.00	243.80
Jharkhand	6.42	0.00	0.00	0.00	0.00	0.00	0.00	1497.56
Odisha	0.00	95.65	2.23	0.00	0.00	0.00	0.00	12315.74
West Bengal	0.00	25.13	45.77	1.96	2.00	25.62	0.00	1644.42
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	19.69
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**6.42**	**120.78**	**48.00**	**1.96**	**69.33**	**25.62**	**0.00**	**15721.21**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	1.15	0.00	0.00	0.00	0.00	513.49
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	39.90
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**0.00**	**1.15**	**0.00**	**0.00**	**0.00**	**0.00**	**553.39**
Total (All India)	**1207.05**	**1853.55**	**308.30**	**458.08**	**6809.47**	**4913.10**	**189.36**	**80926.07**

Table 5.3
All India Gross Electricityy Generation By Captive Power Plants In Industries Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(GWh)

State/UTs	Aluminium	Automobiles	Cement	Chemical	Collieries	Electrical Engineering	Fertiliser	Food Products
	1	2	3	4	5	6	7	8
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.10	0.00	0.00
Delhi	0.00	2.54	0.00	0.00	0.00	0.03	0.00	0.67
Haryana	2.02	549.35	10.36	184.27	0.00	11.24	0.13	94.88
Himachal Pradesh	0.00	1.76	186.13	6.71	0.00	2.29	0.00	7.95
UT of J&K and Ladakh	0.00	0.00	0.00	0.13	0.00	0.00	0.00	1.35
Punjab	0.13	14.20	1.88	102.45	0.00	6.98	216.47	382.35
Rajasthan	1.02	45.28	3141.17	391.60	0.00	23.72	0.02	24.47
Uttar Pradesh	7093.40	145.71	443.61	191.86	0.00	7.65	736.23	11.75
Uttarakhand	0.14	12.69	1.54	123.66	0.00	1.36	0.00	15.52
Sub-Total (N R)	**7096.71**	**771.55**	**3784.70**	**1000.68**	**0.00**	**53.37**	**952.85**	**538.94**
Chhattisgarh	4955.92	0.00	1739.86	7.40	0.00	14.94	0.00	1.20
Gujarat	0.00	18.31	919.47	6556.88	4.98	48.97	816.76	593.68
Madhya Pradesh	0.00	12.94	2768.57	969.01	0.00	178.28	513.61	80.03
Maharashtra	3.82	677.15	657.51	1370.30	0.00	340.65	627.74	6.17
DNH & DD	0.03	0.00	0.00	0.53	0.00	6.21	0.00	0.00
Goa	0.00	0.00	1.40	4.24	0.00	0.00	57.08	64.40
Sub-Total (W R)	**4959.76**	**708.40**	**6086.81**	**8908.36**	**4.98**	**589.05**	**2015.20**	**745.47**
Andhra Pradesh	216.17	0.79	1810.69	337.93	0.00	64.47	196.73	97.32
Telangana	0.50	2.18	2045.71	749.66	233.93	774.11	0.00	3.70
Karnataka	0.04	35.46	2129.86	354.40	0.00	278.71	0.00	45.49
Kerala	0.00	0.00	0.03	147.19	0.40	84.00	0.07	0.37
Tamil Nadu	6.24	424.87	1609.65	220.62	0.00	880.63	68.03	265.62
Puducherry	0.00	2.23	0.00	78.71	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**222.96**	**465.54**	**7595.94**	**1888.51**	**234.32**	**2081.93**	**264.83**	**412.52**
Bihar	0.00	0.00	48.04	0.00	0.00	0.00	148.55	86.70
Jharkhand	134.18	3.87	237.78	601.09	0.00	0.00	0.00	0.00
Odisha	39369.20	3.19	585.48	1766.86	0.00	0.00	556.70	20.76
West Bengal	0.00	6.99	83.28	1834.92	0.00	1.90	122.98	8.75
Sikkim	0.00	0.00	0.00	7.88	0.00	0.00	0.00	0.10
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**39503.38**	**14.05**	**954.58**	**4210.75**	**0.00**	**1.90**	**828.23**	**116.32**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	30.26	286.28	0.00	0.13	91.30	0.44
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	71.10	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**0.00**	**101.36**	**286.28**	**0.00**	**0.13**	**91.30**	**0.44**
Total (All India)	**51782.81**	**1959.55**	**18523.39**	**16294.59**	**239.31**	**2726.38**	**4152.41**	**1813.69**

Table 5.3 (Contd.)
All India Gross Electricityy Generation By Captive Power Plants In Industries
Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(GWh)

State/UTs	Heavy Engineeri	Iron & Steel	Jute	Light Engineerin	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous
	9	10	11	12	13	14	15
Chandigarh	0.00	0.00	0.00	0.48	0.00	0.00	6.05
Delhi	0.02	0.00	0.00	0.00	0.05	0.00	17.29
Haryana	3.48	33.24	0.00	5.76	2232.27	0.00	352.07
Himachal Pradesh	0.00	0.34	0.00	0.31	0.20	0.00	12.96
UT of J&K and	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Punjab	0.95	11.81	0.00	40.98	1157.62	0.00	460.83
Rajasthan	0.00	3.58	0.00	3.75	27.29	1083.84	1232.22
Uttar Pradesh	16.24	78.66	0.15	88.85	864.64	0.00	129.92
Uttarakhand	7.63	0.31	0.00	1.04	0.83	0.00	70.61
Sub-Total (N R)	**28.32**	**127.94**	**0.15**	**141.17**	**4282.88**	**1083.84**	**2281.95**
Chhattishgarh	0.00	10891.39	0.00	0.00	3.68	0.00	2.13
Gujarat	37.11	2545.15	0.00	4.94	9603.63	0.00	234.79
Madhya Pradesh	2.61	84.17	0.00	0.00	119.06	37.00	117.51
Maharashtra	106.51	6099.07	0.00	105.48	646.49	0.00	2193.37
DNH & DD	0.00	0.00	0.00	0.00	0.12	0.00	0.49
Goa	0.00	0.13	0.00	1.23	0.00	0.00	52.90
Sub-Total (W R)	**146.23**	**19619.91**	**0.00**	**111.65**	**10372.98**	**37.00**	**2601.19**
Andhra Pradesh	372.69	4664.38	0.90	178.36	1423.54	0.57	331.92
Telangana	36.16	61.32	0.00	8.11	0.00	2.72	228.86
Karnataka	95.14	7006.08	31.07	227.60	581.17	74.15	497.45
Kerala	1.89	0.00	0.00	0.99	1051.96	0.04	56.84
Tamil Nadu	31.94	1914.59	0.00	194.54	1669.25	0.00	1073.72
Puducherry	0.00	0.00	0.00	1.01	0.00	0.00	3.13
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**537.83**	**13646.37**	**31.97**	**610.60**	**4725.93**	**77.48**	**2191.93**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	2.92
Jharkhand	0.00	5003.70	0.00	0.00	0.00	0.10	127.08
Orissa	0.00	19586.01	0.00	0.00	0.02	0.59	3276.92
West Bengal	0.00	2973.06	3.77	0.00	478.73	0.12	222.86
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**0.00**	**27562.77**	**3.77**	**0.00**	**478.76**	**0.81**	**3629.77**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00	887.75	0.00	4.60
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**0.00**	**0.00**	**0.00**	**887.75**	**0.00**	**4.60**
Total (All India)	**712.38**	**60957.00**	**35.88**	**863.42**	**20748.29**	**1199.13**	**10709.43**

Table 5.3 (Contd.)
All India Gross Electricityy Generation By Captive Power Plants In Industries Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(GWh)

State/UTs	Non Ferrous	Paper	Plastic	Rubber	Sugar	Textile	Non Industry	Total
	16	17	18	19	20	21	22	23
Chandigarh	0.04	0.00	0.00	0.00	0.00	0.00	0.01	6.68
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	0.08	20.68
Haryana	4.60	53.37	1.17	7.86	238.68	71.59	5.14	3861.48
Himachal Pradesh	0.15	63.09	1.07	0.13	0.00	5.69	0.00	288.78
UT of J&K and	0.00	0.00	0.00	0.00	0.00	1.47	0.00	2.95
Punjab	0.79	1201.88	0.15	5.93	388.46	410.53	0.46	4404.85
Rajasthan	3613.41	0.73	11.36	9.24	6.43	390.29	0.00	10009.42
Uttar Pradesh	0.00	207.53	4.06	2.50	5060.50	141.83	0.00	15225.09
Uttarakhand	0.63	611.67	6.36	160.99	77.70	2.96	0.00	1095.62
Sub-Total (N R)	**3619.63**	**2138.27**	**24.16**	**186.65**	**5771.76**	**1024.36**	**5.69**	**34915.56**
Chhattishgarh	0.00	1.23	7.32	0.00	3.45	23.52	0.00	17652.02
Gujarat	1044.30	312.39	3.63	2.37	9.18	728.65	0.00	23485.21
Madhya Pradesh	0.00	291.69	1.24	40.20	144.95	287.53	0.00	5648.39
Maharashtra	0.00	655.18	0.01	0.03	1494.33	737.32	0.00	15721.11
DNH & DD	0.29	0.00	0.81	0.00	0.00	28.76	0.00	37.23
Goa	0.00	0.00	0.00	0.65	0.00	0.00	0.00	182.04
Sub-Total (W R)	**1044.58**	**1260.49**	**13.00**	**43.24**	**1651.91**	**1805.77**	**0.00**	**62726.01**
Andhra Pradesh	0.00	341.95	0.00	0.00	359.42	106.57	0.00	10504.41
Telangana	0.16	936.56	0.03	0.18	231.70	15.56	0.00	5331.17
Karnataka	295.53	444.79	0.00	0.83	3699.98	75.22	0.12	15873.09
Kerala	34.25	32.94	0.00	0.05	0.00	0.26	0.00	1411.29
Tamil Nadu	3.55	1404.06	321.76	109.91	1141.12	2258.10	2.50	13600.72
Puducherry	0.00	0.00	0.01	1.63	0.00	0.00	0.00	86.72
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**333.49**	**3160.30**	**321.80**	**112.61**	**5432.22**	**2455.70**	**2.63**	**46807.40**
Bihar	0.00	0.00	0.00	0.00	66.20	0.00	0.00	352.42
Jharkhand	0.05	0.00	0.00	0.00	0.00	0.00	0.00	6107.85
Orissa	0.00	524.68	0.00	0.00	0.00	0.00	0.00	65690.42
West Bengal	0.00	68.12	87.80	1.34	0.02	28.11	0.00	5922.75
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	7.99
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**0.05**	**592.81**	**87.80**	**1.34**	**66.22**	**28.11**	**0.00**	**78081.42**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.43	0.00	0.00	0.00	0.00	1301.19
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	71.10
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**0.00**	**0.43**	**0.00**	**0.00**	**0.00**	**0.00**	**1372.30**
Total (All India)	**4997.76**	**7151.87**	**447.19**	**343.84**	**12922.11**	**5313.94**	**8.31**	**223902.69**

Table 5.4
Industry-wise/mode-wise All India Installed Capacity
Of Captive Power Plants In Industries
Having Demand Of 0.5 MW & Above
31.03.2024

(MW)

Name of Industry	No. of Industries covered	Hydro	Steam	Diesel	Gas	Solar	Wind	Biomass	Wind-solar Hybrid	Total
1	2	3	4	5	6	7	8	9	10	11
Aluminium	73	0.00	9597.90	160.52	0.00	44.15	11.33	0	0	9813.90
Automobiles	614	0.00	162.00	1169.84	283.72	343.30	180.73	0	0	2139.60
Cement	454	0.00	5590.68	1008.12	130.53	426.45	96.00	20	0	7271.77
Chemical	766	0.00	2012.01	2439.84	1018.81	265.73	176.19	0	0	5912.57
Collieries	16	0.00	0.00	10.20	0.00	219.00	23.00	0	0	252.20
Electrical Engineering	263	43.80	764.30	486.15	134.90	82.87	218.05	0	0	1730.07
Fertiliser	93	0.00	482.88	115.54	715.36	57.41	33.30	0	0	1404.48
Food Products	628	0.00	421.78	900.01	20.91	124.69	123.17	0	12	1602.21
Heavy Engineering	145	0.00	190.33	248.37	18.01	88.34	79.00	0	0	624.06
Iron & Steel	873	2.55	12433.16	1499.00	519.79	320.62	214.64	12	9	15010.83
Jute	28	0.00	9.90	37.07	2.40	6.41	0.00	0	0	55.78
Light Engineering	402	0.00	86.92	709.75	190.30	54.64	149.80	0	0	1191.41
Mineral Oil & Petroleum	225	0.00	2248.84	310.75	2443.59	73.07	64.40	0	0	5140.66
Mining & Quarrying	68	0.00	202.38	112.25	13.18	67.94	0.00	0	0	395.74
Miscellaneous	3148	8.29	1978.48	7279.68	581.62	1574.35	725.51	43	451	12641.90
Non Ferrous	80	37.58	796.47	300.01	10.16	45.82	16.53	0	1	1207.05
Paper	211	0.00	1577.83	180.37	19.47	19.39	28.09	28	0	1853.55
Plastic	135	0.00	66.50	186.12	2.40	22.28	31.00	0	0	308.30
Rubber	132	0.00	56.43	299.23	16.77	36.46	49.19	0	0	458.08
Sugar	476	0.75	6318.85	313.35	7.13	79.98	2.03	87	0	6809.47
Textile	1103	27.05	1066.70	1650.23	75.27	577.99	1515.01	0	1	4913.10
Non Industry	58	0.00	0.00	187.68	0.00	1.68	0.00	0	0	189.36
Total	**9991**	**120**	**46064**	**19604**	**6204**	**4533**	**3737**	**190**	**474**	**80926.07**

Table 5.5
Industry-wise/mode-wise All India Electricity Generation And Consumption By Captive Power Plants In Industries Having Demand Of 0.5MW & Above
2023-24

(GWh)

Name of Industry	Hydro	Steam	Diesel	Gas	Solar	Wind	Biomass	Total
1	2	3	4	5	6	7	8	9
Aluminium	0	51720	4	0	50	9	0	51782.81
Automobiles	0	420	412	338	325	465	0	1959.55
Cement	0	16946	601	267	535	174	0	18523.39
Chemical	0	6889	4832	4191	147	235	0	16294.59
Collieries	0	0	0	0	234	5	0	239.31
Electrical Engineering	115	2035	55	98	91	333	0	2726.38
Fertiliser	0	1160	25	2901	5	61	0	4152.41
Food Products	0	1284	343	12	48	127	0	1813.69
Heavy Engineering	0	419	46	76	98	72	0	712.38
Iron & Steel	0	58984	738	825	144	245	20	60957.00
Jute	0	27	1	1	6	0	0	35.88
Light Engineering	0	294	221	85	56	208	0	863.42
Mineral Oil & Petroleum	0	7698	576	12348	53	72	0	20748.29
Mining & Quarrying	0	1081	41	12	64	0	0	1199.13
Miscellaneous	0	7115	1415	418	1031	730	0	10709.43
Non Ferrous	90	4834	29	3	41	0	0	4997.76
Paper	0	6759	129	6	12	38	208	7151.87
Plastic	0	359	33	0	21	35	0	447.19
Rubber	0	171	66	18	51	38	0	343.84
Sugar	1	12834	11	20	20	0	38	12922.11
Textile	68	2064	573	57	575	1976	0	5313.94
Non Industry	0	0	7	0	2	0	0	8.31
Total	**273.57**	**183093.29**	**10157.69**	**21677.33**	**3610.55**	**4824.29**	**265.97**	**223902.69**

Table 5.5 (Contd.)
Industry-wise/mode-wise All India Electricity Generation And Consumption By Captive Power Plants In Industries Having Demand Of 0.5MW & Above
2023-24

(GWh)

Name of Industry	Auxiliary Consumption	Net Generation (9-10)	Export to Utilities	Energy used in the industry out of self Generation (11-12)	Import from Utilities	Energy Consumed in the Industry (13+14)
	10	11	12	13	14	15
Aluminium	4213.53	47569.28	1470.52	46098.77	6217.94	52316.70
Automobile	45.87	1913.68	379.20	1534.48	4806.39	6340.87
Cement	1264.66	17258.73	1158.26	16100.47	11538.10	27638.57
Chemical	937.56	15357.03	570.54	14786.49	10342.95	25129.44
Colleries	1.19	238.12	0.00	238.12	713.38	951.50
Engineering	152.90	2573.48	1160.73	1412.76	2845.50	4258.26
Fertiliser	96.32	4056.09	32.04	4024.04	1255.72	5279.76
Food Products	115.98	1697.71	256.66	1441.04	4404.85	5845.89
Heavy Engineering	47.22	665.16	108.02	557.14	814.76	1371.91
Iron & Steel	5721.91	55235.09	3180.81	52054.28	31148.62	83202.90
Jute	2.42	33.47	0.00	33.47	172.07	205.54
Light Engineering	36.40	827.02	26.93	800.09	3166.46	3966.55
Petroleum	1074.04	19674.25	897.52	18776.73	5667.76	24444.49
Mining & Quarrying	104.76	1094.37	451.01	643.36	2221.12	2864.48
Miscellaneous	824.55	9884.88	1282.24	8602.64	19204.19	27806.83
Non Ferrous	309.60	4688.16	132.53	4555.63	1664.41	6220.04
Paper	552.21	6599.66	206.03	6393.64	1915.42	8309.05
Plastic	36.29	410.89	371.33	39.57	920.35	959.91
Rubber	26.18	317.66	43.99	273.66	1848.03	2121.69
Sugar	1219.49	11702.62	4149.46	7553.16	2610.17	10163.33
Textile	224.04	5089.90	522.46	4567.44	15774.25	20341.69
Non Industry	0.28	8.03	0.00	8.03	210.88	218.92
Total	**17007.41**	**206895.28**	**16400.28**	**190495.00**	**129463.33**	**319958.33**

Table 5.6
State-wise Installed Capacity Of Captive Power Plants
In Industries Having Demand Of
0.5 MW & Above
31.03.2024

(MW)

State/UTs	No. of Industries	Hydro	Steam	Diesel	Gas	Solar	Wind	Biomass	Wind-solar	Total
1	2	3	4	5	6	7	8	9	10	11
Chandigarh	31	0	0	71	0	4	0	0	0	75
Delhi	157	0	0	372	4	13	0	0	0	388
Haryana	1830	0	465	3691	822	334	0	0	0	5312
Himachal Pradesh	230	4	47	417	0	14	0	0	0	482
UT of J&K and Ladakh	5	0	0	28	0	0	0	0	0	28
Punjab	659	9	963	1078	267	109	0	0	0	2426
Rajasthan	619	0	2567	923	153	457	111	0	0	4210
Uttar Pradesh	407	0	4293	884	305	202	0	0	0	5683
Uttarakhand	186	0	257	415	10	31	0	0	0	713
Sub-Total (NR)	**4124**	**13**	**8592**	**7879**	**1560**	**1165**	**111**	**0**	**0**	**19319**
Chhattisgarh	174	0	5279	367	83	84	0	0	0	5813
Gujarat	901	3	2976	1908	1787	737	501	21	474	7934
Madhya Pradesh	233	0.00	1280.74	529.35	193.88	38.08	8.70	25.50	0.00	2076.24
Maharashtra	521	17.00	3709.14	1568.66	437.20	805.37	502.11	85.92	0.00	7125.39
DNH & DD	27	0.00	10.90	74.88	0.00	4.04	0.00	0.00	0.00	89.82
Goa	30	0.00	10.82	96.36	0.00	0.00	0.00	0.00	0.00	107.18
Sub-Total (WR)	**1886**	**19.55**	**13266.43**	**4544.84**	**2501.26**	**1668.75**	**1012.23**	**132.42**	**473.54**	**23145.48**
Andhra Pradesh	386	6.20	2270.30	690.15	245.57	144.32	162.43	0.00	0.00	3518.96
Telangana	386	0.00	1451.52	715.99	2.72	391.44	5.91	0.00	0.00	2567.58
Karnataka	714	27.38	3896.92	1724.51	186.28	253.73	284.60	0.00	0.00	6373.41
Kerala	90	54.00	71.80	180.24	201.88	44.21	0.00	0.00	0.00	552.13
Tamil Nadu	1561	0.00	2788.85	2596.76	442.49	589.58	2114.91	0.00	0.00	8532.60
Puducherry	69	0.00	25.35	102.69	36.08	4.29	0.00	0.00	0.00	168.41
Lakshadweep	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (SR)	**3206**	**87.57**	**10504.74**	**6010.34**	**1115.02**	**1427.58**	**2567.84**	**0.00**	**0.00**	**21713.09**
Bihar	32	0.00	79.50	23.52	46.20	31.08	46.00	17.50	0.00	243.80
Jharkhand	52	0.00	1128.78	292.34	57.40	19.05	0.00	0.00	0.00	1497.56
Odisha	290	0.00	11416.02	380.24	398.50	92.59	0.00	28.40	0.00	12315.74
West Bengal	311	0.00	943.22	419.91	180.00	89.28	0.00	12.00	0.00	1644.42
Sikkim	12	0.00	0.00	18.91	0.00	0.79	0.00	0.00	0.00	19.69
Andaman & Nicobar	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (ER)	**697**	**0.00**	**13567.52**	**1134.90**	**682.10**	**232.79**	**46.00**	**57.90**	**0.00**	**15721.21**
Arunachal Pradesh	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	74	0.00	103.31	25.09	346.34	38.76	0.00	0.00	0.00	513.49
Manipur	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	4	0.00	30.30	9.60	0.00	0.00	0.00	0.00	0.00	39.90
Mizoram	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (NER)	**78**	**0.00**	**133.61**	**34.69**	**346.34**	**38.76**	**0.00**	**0.00**	**0.00**	**553.39**
Total (All India)	**9991**	**120.01**	**46064.31**	**19604.07**	**6204.31**	**4532.56**	**3736.94**	**190.32**	**473.54**	**80926.07**

Table 5.7
State-wise All India Electricity Generation And Consumption By Captive Power Plants
In Industries Having Demand Of
0.5 MW & Above
2023-24

(GWh)

	ENERGY GENERATED							
State/UTs	**Hydro**	**Steam**	**Diesel**	**Gas**	**Solar**	**Wind**	**Biomass**	**Total**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**
Chandigarh	0.00	0.00	0.43	0.00	6.25	0.00	0.00	6.68
Delhi	0.00	0.00	9.10	0.08	11.49	0.00	0.00	20.68
Haryana	0.00	1007.06	244.14	2264.80	345.48	0.00	0.00	3861.48
Himachal Pradesh	0.00	248.37	28.14	0.00	12.28	0.00	0.00	288.78
UT of J&K and Ladakh	0.00	0.00	2.95	0.00	0.00	0.00	0.00	2.95
Punjab	0.57	3373.85	167.57	751.85	111.01	0.00	0.00	4404.85
Rajasthan	0.00	8905.60	53.55	361.44	558.61	130.23	0.00	10009.42
Uttar Pradesh	0.00	13511.37	394.26	1086.15	233.30	0.00	0.00	15225.09
Uttarakhand	0.00	980.84	56.50	23.96	34.32	0.00	0.00	1095.62
Sub-Total(NR)	**0.57**	**28027.09**	**956.64**	**4488.29**	**1312.74**	**130.23**	**0.00**	**34915.56**
Chhattisgarh	0.00	16986.02	388.26	224.80	52.93	0.00	0.00	17652.02
Gujarat	0.35	10743.81	4576.29	7753.81	34.78	376.17	0.00	23485.21
Madhya Pradesh	0.00	4130.73	770.53	711.89	27.79	7.45	0.00	5648.39
Maharashtra	46.46	10930.02	2330.46	1265.57	217.29	931.31	0.00	15721.11
DNH & DD	0.00	19.00	16.51	0.00	1.72	0.00	0.00	37.23
Goa	0.00	54.96	127.07	0.00	0.00	0.00	0.00	182.04
Sub-Total(WR)	**46.81**	**42864.56**	**8209.12**	**9956.08**	**334.51**	**1314.93**	**0.00**	**62726.01**
Andhra Pradesh	21.80	9067.37	71.87	980.81	181.98	180.58	0.00	10504.41
Telangana	0.00	4798.18	86.49	0.00	437.80	8.70	0.00	5331.17
Karnataka	86.14	14387.51	98.57	585.19	323.70	391.97	0.00	15873.09
Kerala	118.25	279.13	3.98	952.49	57.43	0.00	0.00	1411.29
Tamil Nadu	0.00	9282.28	284.41	605.60	632.72	2795.72	0.00	13600.72
Puducherry	0.00	0.55	5.18	76.85	4.14	0.00	0.00	86.72
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total(SR)	**226.18**	**37815.03**	**550.51**	**3200.95**	**1637.76**	**3376.97**	**0.00**	**46807.40**
Bihar	0.00	114.98	0.47	148.54	48.66	2.16	37.60	352.42
Jharkhand	0.00	5914.80	7.00	166.67	19.38	0.00	0.00	6107.85
Odisha	0.00	63346.56	7.30	2007.15	121.38	0.00	208.03	65690.42
West Bengal	0.00	4727.55	416.63	664.59	93.64	0.00	20.33	5922.75
Sikkim	0.00	0.00	7.13	0.00	0.86	0.00	0.00	7.99
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total(ER)	**0.00**	**74103.90**	**438.53**	**2986.94**	**283.93**	**2.16**	**265.97**	**78081.42**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	212.98	1.52	1045.08	41.62	0.00	0.00	1301.19
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	69.74	1.37	0.00	0.00	0.00	0.00	71.10
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total(NER)	**0.00**	**282.72**	**2.89**	**1045.08**	**41.62**	**0.00**	**0.00**	**1372.30**
Total (All India)	**273.57**	**183093.29**	**10157.69**	**21677.33**	**3610.55**	**4824.29**	**265.97**	**223902.69**

Table 5.7 (Contd.)
State-wise All India Electricity Generation And Consumption By Captive Power Plants
In Industries Having Demand Of
0.5 MW & Above
2023-24

(GWh)

State/UTs	Auxiliary Consumption	Net Generation (9-10)	Export to Utilities	Energy used in the industry out of self Gen (11-12)	Import from Utilities	Energy consumed in the industry (13+14)
	10	11	12	13	14	15
Chandigarh	0.05	6.63	0.00	6.63	41.19	47.82
Delhi	0.58	20.09	1.51	18.58	439.97	458.55
Haryana	217.99	3643.49	121.04	3522.46	7689.33	11211.78
Himachal Pradesh	19.20	269.59	0.17	269.41	2697.75	2967.16
UT of J&K and Ladakh	0.04	2.91	0.00	2.91	256.38	259.29
Punjab	576.46	3828.39	374.10	3454.30	5917.21	9371.51
Rajasthan	735.37	9274.05	674.73	8599.32	9720.24	18319.57
Uttar Pradesh	1256.78	13968.31	1554.50	12413.81	3956.87	16370.68
Uttarakhand	98.32	997.30	51.47	945.83	2808.04	3753.87
Sub-Total(NR)	**2904.79**	**32010.77**	**2777.52**	**29233.24**	**33526.98**	**62760.22**
Chhattisgarh	553.33	17098.69	37.23	17061.46	2262.89	19324.35
Gujarat	900.89	22584.32	111.25	22473.07	10666.92	33139.99
Madhya Pradesh	192.62	5455.77	23.20	5432.57	5082.72	10515.29
Maharashtra	887.74	14833.37	422.06	14411.32	10449.96	24861.28
DNH & DD	0.36	36.87	0.00	36.87	1843.09	1879.97
Goa	7.04	175.00	0.00	175.00	213.78	388.77
Sub-Total(WR)	**2541.99**	**60184.02**	**593.73**	**59590.29**	**30519.36**	**90109.65**
Andhra Pradesh	817.46	9686.95	637.05	9049.90	7224.17	16274.07
Telangana	413.67	4917.50	856.02	4061.48	5692.77	9754.25
Karnataka	1260.18	14612.91	2498.58	12114.33	12712.93	24827.27
Kerala	62.86	1348.42	207.81	1140.61	1196.51	2337.12
Tamil nadu	883.67	12717.05	4946.65	7770.40	14333.72	22104.12
Puducherry	3.35	83.37	7.91	75.46	430.21	505.66
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total(SR)	**3441.20**	**43366.21**	**9154.02**	**34212.18**	**41590.30**	**75802.49**
Bihar	16.56	335.86	31.28	304.58	112.87	417.45
Jharkhand	751.09	5356.76	223.98	5132.78	6386.97	11519.75
Odisha	6614.38	59076.03	3371.33	55704.70	11232.53	66937.23
West Bengal	610.05	5312.70	237.89	5074.81	5607.51	10682.33
Sikkim	0.00	7.98	0.00	7.98	49.01	57.00
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total(ER)	**7992.09**	**70089.34**	**3864.48**	**66224.86**	**23388.90**	**89613.76**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00
Assam	119.38	1181.82	10.52	1171.30	301.08	1472.38
Manipur	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	7.97	63.13	0.00	63.13	136.71	199.84
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total(NER)	**127.35**	**1244.95**	**10.52**	**1234.43**	**437.79**	**1672.22**
Total (All India)	**17007.41**	**206895.28**	**16400.28**	**190495.00**	**129463.33**	**319958.33**

Table 5.8
All India Electricity Consumption By Captive Power Plants In Industries
Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(GWh)

State/UTs	Aluminium	Automobiles	Cement	Chemical	Collieries	Electrical Engineering	Fertiliser	Food Products
	1	2	3	4	5	6	7	8
Chandigarh	0.00	0.00	0.00	0.00	0.00	1.12	0.00	0.00
Delhi	0.00	16.84	0.00	0.00	0.00	0.05	0.00	44.74
Haryana	16.11	1716.32	283.91	292.82	0.00	86.66	4.79	385.92
Himachal Pradesh	0.00	31.50	902.48	191.60	0.00	218.62	0.00	282.00
UT of J&K and Ladakh	0.00	0.00	0.00	7.98	0.00	0.00	0.00	16.39
Punjab	11.36	435.24	200.53	457.00	0.00	34.53	276.52	573.29
Rajasthan	8.73	450.57	4795.43	570.28	0.00	202.38	6.53	216.26
Uttar Pradesh	6490.38	117.49	950.81	224.13	0.00	70.97	762.57	188.73
Uttarakhand	3.75	144.09	105.52	301.53	0.00	11.32	0.00	187.54
Sub-Total (N R)	**6530.33**	**2912.06**	**7238.68**	**2045.34**	**0.00**	**625.65**	**1050.41**	**1894.88**
Chhattisgarh	4916.13	0.00	1913.66	34.35	0.00	88.27	0.00	1.20
Gujarat	0.00	53.39	1116.15	9279.07	4.98	119.50	1497.47	1877.31
Madhya Pradesh	0.00	25.24	4018.91	1859.68	0.00	251.11	514.00	664.10
Maharashtra	188.64	1261.11	862.32	2468.33	0.00	495.53	642.40	43.08
DNH & DD	13.59	0.00	0.00	46.87	0.00	90.59	0.00	0.00
Goa	0.00	0.00	1.26	19.32	0.00	0.00	79.16	105.11
Sub-Total (W R)	**5118.36**	**1339.73**	**7912.30**	**13707.61**	**4.98**	**1044.99**	**2733.03**	**2690.80**
Andhra Pradesh	216.55	5.31	4013.55	1330.57	0.00	6.48	191.83	271.81
Telangana	43.00	63.28	2525.25	1195.27	922.54	1807.39	0.00	78.10
Karnataka	69.79	182.79	2484.61	643.81	0.00	111.57	0.00	170.08
Kerala	0.00	0.00	3.82	494.75	16.52	0.05	29.27	13.07
Tamil Nadu	39.83	1483.38	1710.03	772.23	0.00	428.41	229.98	509.83
Puducherry	0.00	13.86	0.00	280.74	0.00	0.00	0.00	2.59
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**369.16**	**1748.62**	**10737.27**	**4717.37**	**939.06**	**2353.90**	**451.08**	**1045.49**
Bihar	0.00	0.00	105.44	0.00	0.00	0.00	160.20	77.13
Jharkhand	99.38	273.80	324.34	580.38	0.00	0.00	0.00	0.00
Odisha	40199.47	20.66	693.08	1977.16	7.46	0.00	658.83	13.98
West Bengal	0.00	46.00	401.24	1767.44	0.00	229.01	134.38	104.99
Sikkim	0.00	0.00	0.00	52.93	0.00	0.00	0.00	4.07
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**40298.85**	**340.46**	**1524.10**	**4377.90**	**7.46**	**229.01**	**953.42**	**200.17**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	138.73	281.22	0.00	4.71	91.82	14.55
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	87.49	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**0.00**	**226.23**	**281.22**	**0.00**	**4.71**	**91.82**	**14.55**
Total (All India)	**52316.70**	**6340.87**	**27638.57**	**25129.44**	**951.50**	**4258.26**	**5279.76**	**5845.89**

Table 5.8 (Contd.)
All India Electricity Consumption By Captive Power Plants In Industries
Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(GWh)

State/UTs	Heavy Engineering	Iron & Steel	Jute	Light Engineering	Mineral Oil & Petroleum	Mining & Quarrying	Miscellaneous
	9	10	11	12	13	14	15
Chandigarh	0.00	4.75	0.00	15.43	0.00	0.00	25.33
Delhi	2.36	0.00	0.00	2.20	2.77	0.00	388.39
Haryana	79.48	1962.95	0.00	62.35	2288.22	0.00	2949.96
Himachal Pradesh	0.00	23.90	0.00	25.03	0.92	0.00	477.43
UT of J&K and Ladakh	0.00	5.02	0.00	0.00	0.00	0.00	0.00
Punjab	17.26	846.08	0.00	270.21	1874.73	0.00	1017.53
Rajasthan	16.66	251.99	0.00	45.64	246.84	1201.29	1889.51
Uttar Pradesh	105.66	532.93	2.33	137.71	1228.86	0.00	438.35
Uttarakhand	36.63	370.79	0.00	12.54	9.83	0.00	1204.70
Sub-Total (N R)	**258.04**	**3998.41**	**2.33**	**571.12**	**5652.17**	**1201.29**	**8391.20**
Chhattisgarh	0.00	12200.46	0.00	0.00	3.59	41.40	5.45
Gujarat	160.87	3354.20	0.00	275.01	10450.90	1.98	1223.02
Madhya Pradesh	117.20	333.79	0.00	0.00	117.90	44.09	475.86
Maharashtra	120.89	6646.50	0.00	436.12	1431.12	0.00	5853.95
DNH & DD	0.00	0.00	0.00	0.00	785.96	0.00	96.09
Goa	0.00	27.70	0.00	15.21	0.00	0.04	63.97
Sub-Total (W R)	**398.96**	**22562.64**	**0.00**	**726.34**	**12789.47**	**87.51**	**7718.35**
Andhra Pradesh	265.22	5452.50	16.83	488.51	1399.37	344.87	961.91
Telangana	52.64	153.37	0.00	212.42	0.00	97.10	1114.47
Karnataka	236.52	13620.61	33.57	649.61	703.93	296.36	2777.13
Kerala	32.24	11.97	0.00	65.40	1022.85	92.41	244.31
Tamil Nadu	128.29	2088.43	0.00	1244.72	1226.27	0.00	2700.71
Puducherry	0.00	0.00	0.00	8.43	0.00	0.00	64.53
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**714.91**	**21326.88**	**50.40**	**2669.09**	**4352.41**	**830.75**	**7863.05**
Bihar	0.00	0.00	0.00	0.00	0.00	0.00	17.94
Jharkhand	0.00	9342.39	0.00	0.00	42.62	731.49	109.33
Odisha	0.00	20054.00	0.00	0.00	2.50	7.32	2756.12
West Bengal	0.00	5806.23	152.80	0.00	685.76	6.12	934.73
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**0.00**	**35202.63**	**152.80**	**0.00**	**730.89**	**744.94**	**3818.13**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00	919.55	0.00	16.11
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	112.35	0.00	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**112.35**	**0.00**	**0.00**	**919.55**	**0.00**	**16.11**
Total (All India)	**1371.91**	**83202.90**	**205.54**	**3966.55**	**24444.49**	**2864.48**	**27806.83**

Table 5.8 (Contd.)
All India Electricity Consumption By Captive Power Plants In Industries
Having Demand Of 0.5 MW & Above State-wise/industry-wise
2023-24

(GWh)

State/UTs	Non Ferrous	Paper	Plastic	Rubber	Sugar	Textile	Non Industry	Total
	16	17	18	19	20	21	22	23
Chandigarh	0.04	0.00	0.00	0.00	0.00	0.00	1.15	47.82
Delhi	0.00	0.00	0.00	0.00	0.00	0.00	1.19	458.55
Haryana	156.50	92.34	32.72	207.35	98.84	344.96	149.59	11211.78
Himachal Pradesh	11.70	87.81	39.47	9.35	0.00	665.36	0.00	2967.16
UT of J&K and Ladakh	0.00	0.00	0.00	0.00	0.00	229.89	0.00	259.29
Punjab	35.25	1289.22	101.09	57.54	219.66	1636.42	18.03	9371.51
Rajasthan	4201.54	3.07	144.98	99.34	3.61	3964.93	0.00	18319.57
Uttar Pradesh	0.00	260.37	58.37	32.92	4390.20	377.91	0.00	16370.68
Uttarakhand	49.63	638.97	139.17	336.45	114.31	87.08	0.00	3753.87
Sub-Total (N R)	**4454.66**	**2371.78**	**515.79**	**742.96**	**4826.62**	**7306.55**	**169.95**	**62760.22**
Chhattisgarh	0.00	1.16	15.47	0.00	3.43	99.80	0.00	19324.35
Gujarat	1363.55	499.42	76.56	114.53	9.12	1662.96	0.00	33139.99
Madhya Pradesh	0.00	330.64	81.60	77.03	441.20	1162.95	0.00	10515.29
Maharashtra	0.00	1044.28	0.01	34.15	1664.86	1668.00	0.00	24861.28
DNH & DD	21.62	0.00	0.81	0.00	0.00	824.45	0.00	1879.97
Goa	0.00	0.00	0.00	77.01	0.00	0.00	0.00	388.77
Sub-Total (W R)	**1385.16**	**1875.50**	**174.45**	**302.72**	**2118.60**	**5418.15**	**0.00**	**90109.65**
Andhra Pradesh	0.00	369.28	0.00	0.00	455.72	483.74	0.00	16274.07
Telangana	71.40	925.53	13.04	10.02	130.26	339.17	0.00	9754.25
Karnataka	231.68	452.93	0.00	97.86	1680.88	380.95	2.59	24827.27
Kerala	28.45	138.61	0.00	89.39	0.00	54.01	0.00	2337.12
Tamil Nadu	32.67	1565.83	68.68	747.60	881.89	6201.60	43.74	22104.12
Puducherry	0.00	0.00	4.71	122.02	3.37	2.78	2.63	505.66
Lakshadweep	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (S R)	**364.20**	**3452.19**	**86.44**	**1066.89**	**3152.12**	**7462.24**	**48.96**	**75802.49**
Bihar	0.00	0.00	0.00	0.00	56.73	0.00	0.00	417.45
Jharkhand	16.01	0.00	0.00	0.00	0.00	0.00	0.00	11519.75
Odisha	0.00	536.04	10.60	0.00	0.00	0.00	0.00	66937.23
West Bengal	0.00	73.55	166.93	9.14	9.26	154.74	0.00	10682.33
Sikkim	0.00	0.00	0.00	0.00	0.00	0.00	0.00	57.00
Andaman & Nicobar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (E R)	**16.01**	**609.59**	**177.53**	**9.14**	**65.98**	**154.74**	**0.00**	**89613.76**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Assam	0.00	0.00	5.70	0.00	0.00	0.00	0.00	1472.38
Manipur	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00	0.00	0.00	0.00	199.84
Mizoram	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Tripura	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Sub-Total (N E R)	**0.00**	**0.00**	**5.70**	**0.00**	**0.00**	**0.00**	**0.00**	**1672.22**
Total (All India)	**6220.04**	**8309.05**	**959.91**	**2121.69**	**10163.33**	**20341.69**	**218.92**	**319958.33**

Table 5.9

Capacity Wise Classification Of Electricity Generated By Captive Power Plants In Industries Having Demand Of 0.5 MW & Above 2023-24

Range of Installed Capacity (MW)	No. of Generating Industries	Installed Capacity of the Group		Gross Energy Generation of the Group	
		Aggregagte (kW)	%age of Total Capacity	Aggregate (GWh)	%age of Total Generation
1.00MW & Upto 10.00 MW	8706	20005	24.72	12903.62	5.76
10.00MW & Upto 20.00 MW	572	8313	10.27	14026.14	6.26
20.00MW & Upto 30.00 MW	271	6837	8.45	16598.27	7.41
30.00MW & Upto 40.00 MW	139	4928	6.09	11885.66	5.31
40.00MW & Upto 50.00 MW	93	4375	5.41	10541.28	4.71
50.00MW & Upto 100.00 MW	120	8548	10.56	30174.37	13.48
Over 100.00MW	90	27920	34.50	127773	57.07
Total	**9991**	**80926**	**100.00**	**223902.69**	**100.00**

Table 5.10

Growth Of Installed Capacity Of Captive Power Plants In Industries

Having Demand Of 0.5 MW & Above

(MW)

As on	Hydro	Steam	Diesel @	Gas	Railways	Total
31.12.1948	*	*	*	*	0	409.52
31.12.1949	*	*	*	*	0	544.40
31.12.1950	*	*	*	*	0	587.85
31.12.1951	*	*	*	*	0	627.98
31.12.1952	*	*	*	*	0	670.16
31.12.1953	*	*	*	*	0	663.53
31.12.1954	*	*	*	*	0	685.31
31.12.1955	*	*	*	*	0	723.51
31.12.1956	*	*	*	*	0	759.65
31.03.1958	*	*	*	*	0	769.44
31.03.1959	*	*	*	*	0	812.42
31.03.1960	*	*	*	*	0	935.37
31.03.1961	*	*	*	*	0	1001.37
31.03.1962	*	*	*	*	0	1011.79
31.03.1963	*	*	*	*	0	1124.10
31.03.1964	*	*	*	*	0	986.96
31.03.1965	*	*	*	*	65.13	1061.39
31.03.1966	*	*	*	*	63.64	1146.00
31.03.1967	*	*	*	*	64.03	1283.92
31.03.1968	*	*	*	*	62.05	1269.69
31.03.1969	*	*	*	*	61.93	1339.40
31.03.1970	*	*	*	*	45.14	1417.43
31.03.1971	*	*	*	*	45.14	1562.01
31.03.1972	*	*	*	*	58.53	1635.32
31.03.1973	*	*	*	*	55.56	1708.33
31.03.1974	*	*	*	*	59.81	1792.51
31.03.1975	*	*	*	*	64.27	2028.57
31.03.1976	*	*	*	*	60.63	2131.52
31.03.1977	2.56	1783.66	423.47	15.37	61.84	2286.90
31.03.1978	2.56	1879.12	517.84	44.27	62.37	2506.16
31.03.1979	2.61	1949.23	559.17	44.27	62.31	2617.59
31.03.1980	2.61	2021.61	720.58	54.27	60.44	2859.51
31.03.1981	2.61	2116.55	867.70	54.27	61.24	3102.37
31.03.1982	2.60	2263.67	1060.43	48.90	60.51	3436.11
31.03.1983	2.60	2442.38	1306.84	54.27	65.57	3871.66
31.03.1984	2.61	2633.02	1602.49	60.05	68.53	4366.70
31.03.1985	2.91	2803.18	2077.06	155.31	81.80	5120.26
31.03.1986	2.66	2881.62	2378.39	156.46	84.97	5504.10
31.03.1987	3.60	3328.69	2090.39	205.86	86.00	5714.54
31.03.1988	3.60	3732.23	2277.77	242.51	88.53	6344.64
31.03.1989	3.60	4515.85	2581.33	319.11	103.60	7523.49
31.03.1990	3.60	4822.85	2754.48	425.51	109.29	8115.73
31.03.1991	3.60	4991.07	3031.67	475.25	110.76	8612.35
31.03.1992	4.30	5377.10	3291.06	495.72	133.23	9301.41
31.03.1993	4.30	5540.74	3728.66	630.81	140.03	10044.54
31.03.1994	4.30	5792.99	4003.51	773.89	147.44	10722.13
31.03.1995	4.30	6010.47	4193.53	807.74	148.01	11164.05
31.03.1996	3.50	6305.30	4364.77	955.41	158.17	11787.15
31.03.1997	3.50	6151.69	4594.74	1166.38	162.62	12078.93
31.03.1998	20.75	6628.87	5023.87	1330.44	162.35	13166.28
31.03.1999	23.69	6799.08	5432.94	1676.06	159.42	14091.19
31.03.2000	46.80	7675.66	5796.85	1816.89	0.00	15336.20
31.03.2001	46.72	7996.79	6289.54	1823.31	0.00	16156.36
31.03.2002	51.10	8354.03	6614.16	2125.91	0.00	17145.20
31.03.2003	51.10	9094.16	6831.21	2385.15	0.00	18361.62
31.03.2004	61.97	8585.28	7347.32	2745.74	0.00	18740.31
31.03.2005	58.93	8903.16	7274.08	2866.40	0.00	19102.57
31.03.2006	59.97	10816.28	7566.81	3025.15	0.00	21468.21
31.03.2007	60.50	11397.52	7901.02	2976.00	0.00	22335.04
31.03.2008	60.50	11763.99	8952.67	4209.23	0.00	24986.39
31.03.2009	110.79	13817.53	9124.31	3621.05	0.00	26673.68
31.03.2010	55.01	17183.34	9910.50	4368.02	0.00	31516.87
31.03.2011	56.88	19111.54	10221.94	5053.76	0.00	34444.12
31.03.2012	47.59	22615.39	10827.43	5884.95	0.00	39375.36
31.03.2013	66.90	23889.61	12272.19	4497.69	0.00	40726.39
31.03.2014	63.59	24751.58	12691.35	4751.36	0.00	42257.87
31.03.2015	65.09	26088.59	13309.73	5193.44	0.00	44656.85
31.03.2016	59.09	28687.59	13714.19	5818.62	0.00	48279.48
31.03.2017	65.29	30571.95	14782.75	6109.21	0.00	51529.19
31.03.2018	50.96	32854.41	14870.77	7156.37	0.00	54932.51
31.03.2019	103.39	47679.04	18637.56	8787.13	0.00	75207.13
31.03.2020	130.77	51542.77	17249.95	7315.87	0.00	76239.36
31.03.2021	130.70	47759.52	23256.64	7361.11	0.00	78507.97
31.03.2022	134.60	45302.73	25609.86	5685.25	0.00	76732.43
31.03.2023	132.26	46782.17	25125.13	6360.26	0.00	78399.82
31.03.2024	120.01	46064.31	28537.43	6204.31	0.00	80926.07

@ Includes RES

*Breakup not available

Table 5.11
GROWTH OF ELECTRICITY GENERATION BY CAPTIVE POWER PLANTS IN INDUSTRIES HAVING DEMAND OF 0.5MW & ABOVE

(GWh)

Year Ending	Hydro	Steam	Diesel @	Gas	Railways	Total
1949	*	*	*	*	0.00	1299.56
1950	*	*	*	*	0.00	1467.81
1951	*	*	*	*	0.00	1655.57
1952	*	*	*	*	0.00	1883.58
1953	*	*	*	*	0.00	1983.91
1954	*	*	*	*	0.00	2054.64
1955	*	*	*	*	0.00	2184.82
1956	*	*	*	*	0.00	2209.51
1957-58	*	*	*	*	0.00	2288.29
1958-59	*	*	*	*	0.00	2420.68
1959-60	*	*	*	*	0.00	2760.88
1960-61	*	*	*	*	0.00	3186.10
1961-62	*	*	*	*	0.00	3287.21
1962-63	*	*	*	*	0.00	3862.30
1963-64	*	*	*	*	0.00	3394.20
1964-65	*	*	*	*	104.80	3570.32
1965-66	*	*	*	*	101.94	3835.13
1966-67	*	*	*	*	88.42	4136.60
1967-68	*	*	*	*	81.59	4120.20
1968-69	*	*	*	*	72.08	4208.14
1969-70	*	*	*	*	36.65	4554.71
1970-71	*	*	*	*	36.65	5383.89
1971-72	*	*	*	*	43.00	5458.72
1972-73	*	*	*	*	37.85	5969.60
1973-74	*	*	*	*	39.63	6107.10
1974-75	7.28	6158.53	269.91	15.93	36.30	6487.95
1975-76	8.92	6385.14	232.68	30.38	38.18	6695.30
1976-77	8.10	6897.70	294.79	39.75	41.16	7281.50
1977-78	11.75	7087.28	382.56	38.14	38.83	7558.56
1978-79	13.22	7211.30	299.13	48.97	34.47	7607.09
1979-80	15.06	7225.60	825.70	90.67	35.67	8192.70
1980-81	15.06	7202.77	1053.98	101.82	42.42	8416.05
1981-82	18.24	7737.33	1129.15	94.24	44.73	9023.69
1982-83	10.00	8497.05	1406.27	75.68	46.71	10035.71
1983-84	18.27	8927.59	1731.54	91.62	47.62	10816.64
1984-85	18.29	9966.55	2001.18	317.03	42.80	12345.85
1985-86	18.29	10226.83	2350.92	401.31	42.97	13040.32
1986-87	18.09	10910.02	2258.28	341.79	36.60	13564.78
1987-88	18.09	13737.16	2595.97	504.22	35.10	16890.54
1988-89	16.45	16314.23	2686.13	864.13	30.51	19911.45
1989-90	15.83	19110.46	2757.27	1313.29	29.07	23225.92
1990-91	14.89	20005.67	3216.27	1844.98	28.82	25110.63
1991-92	17.57	23409.35	3247.81	1905.24	22.52	28602.49
1992-93	16.54	24679.89	3828.01	2803.31	23.76	31351.51
1993-94	14.89	25413.58	3684.64	3149.48	22.45	32285.04
1994-95	14.89	27387.92	4234.01	3407.04	22.70	35066.56
1995-96	17.39	28751.69	4796.89	4576.25	23.85	38166.07
1996-97	28.84	29127.94	6619.01	5039.22	25.07	40840.08
1997-98	78.84	30683.70	7512.43	5775.66	26.96	44077.59
1998-99	80.38	31198.19	8202.80	8871.96	26.20	48379.53
1999-00	98.36	34813.90	10552.89	9932.01	0.00	55397.16
2000-01	99.85	40256.24	11499.53	7782.34	0.00	59637.96
2001-02	116.59	41853.85	10875.19	8835.19	0.00	61680.82
2002-03	90.32	42229.66	11331.76	10198.16	0.00	63849.90
2003-04	97.49	39610.29	13590.96	14874.38	0.00	68173.12
2004-05	112.77	44016.99	12234.81	15052.05	0.00	71416.62
2005-06	236.47	46264.87	12473.64	14664.72	0.00	73639.70
2006-07	217.81	56184.03	10190.73	15207.18	0.00	81799.75
2007-08	202.21	53568.52	11121.38	25584.58	0.00	90476.69
2008-09	146.01	73626.49	10642.57	15306.09	0.00	99721.16
2009-10	151.78	77416.34	8826.27	19738.71	0.00	106133.10
2010-11	148.79	96657.13	8675.82	15435.17	0.00	120916.91
2011-12	131.28	104862.65	7422.48	21971.57	0.00	134387.98
2012-13	118.18	113166.95	9955.64	20768.88	0.00	144009.65
2013-14	129.06	118178.44	10769.08	19911.64	0.00	148988.23
2014-15	144.69	128401.06	12376.00	21135.25	0.00	162057.00
2015-16	110.09	136720.54	10458.24	21083.29	0.00	168372.16
2016-17	143.64	137588.31	11458.76	22855.31	0.00	172046.03
2017-18	112.48	143867.68	10435.06	25362.17	0.00	179777.39
2018-19	270.04	184250.36	9008.25	19545.09	0.00	213073.73
2019-20	348.04	205545.78	8229.79	25443.15	0.00	239566.75
2020-21	339.12	193142.60	9662.13	21683.55	0.00	224827.40
2021-22	356.66	179235.45	8917.49	20801.17	0.00	209310.77
2022-23	290.70	179831.20	10723.28	21086.63	0.00	211931.81
2023-24	273.57	183093.29	18858.50	21677.33	0.00	223902.69

@ Includes RES

*Breakup not available

Chapter 6

Electric Power Supply and System Losses

- During the year 2023-24 gross electricity generation (utilities) was 1734375.09 GWh, out of which 106650.46 GWh representing **6.15% of gross generation was consumed in power station auxiliaries.** Thus, net generation available at the bus-bar was 1627724.63 GWh.

- Electricity purchased by public utilities from captive power plants was 16400.28 GWh and electricity imported from Nepal & Bhutan was 6147.23 GWh. Thus, the total electricity available for supply during the year was 1650272.14 GWh as compared to 1549456.08 GWh during the year 2022-23.

- Electricity sold to various classes of consumers during the year 2023-24 was 1350091.99 GWh and electricity exported outside the country i.e. to Nepal, Bhutan, Bangladesh and Myanmar was 11295.19 GWh.

- **The electricity lost in transformation, transmission and distribution system and electricity unaccounted worked out to 288884.97 GWh representing 17.63 % of the total available electricity.**

- **The T&D Loss in country has decreased by 0.05% from 17.68% in FY 2022-23 to 17.63 % in FY 2023-24.**

- Amongst all the regions percentage system losses were maximum in North-Eastern Region i.e. 20.11%. This was followed by Northern Region with 19.79%, Eastern Region with 19.41%, Southern Region with 16.09% and Western Region with 16.05% losses.

The percentage losses in transmission & distribution network correspond to ultimate consumption within various States/Union Territories. The tables 6.1 to 6.5.6 represent the Region-wise and State-wise Transmission & Distribution losses, transfer of electrical energy among regions and electricity consumed in power auxiliaries.

Table 6.1
All India Electrical Energy Generated, Purchased, Sold and Losses
Utilities
2023-24

Sl. No.	Item	Energy (GWh)	Percentage (%) of Sl. 1
1	Gross Energy Generated (Utilities)	1734375.09	100.00
2	Energy Used in Power Station Auxiliaries	106650.46	6.15
3	Net Energy at bus bars (1-2)	1627724.63	93.85
			Percentage (%) of sl. 4
4	Energy at bus bars (same as 3)	1627724.63	100.00
5	Energy purchased from Non-Utilities	16400.28	1.01
6	Energy Imported from other country	6147.23	0.38
7	Total Energy Available (4+5+6)	1650272.14	101.39
8	Energy sold to other countries	11295.19	0.69
9	Net Energy Available for Supply (7-8)	1638976.96	100.69
			Percentage (%) of sl. 10
10	Net Energy available for supply (same as 9)	1638976.96	100.00
11	*Energy sold to ultimate consumers	1350091.99	82.37
12	Energy loss in transformation, transmission and distribution and unaccounted for (10-11)	288884.97	17.63

Note: * Includes metered and assessed supply to agricultural consumers.

Table 6.2
Regional Transmission Losses
Utilities
2023-24

Region	Energy Available in the Region (GWh)	Export to other Region (GWh)	Export to Nepal (GWh)	Export to Bangladesh (GWh)	Export to Bhutan (GWh)	Export to Myanmar (GWh)	Total Energy drawal by States/Utilities (GWh)	Transmission Losses (GWh)	Transmission Losses (%)
1	2	3	4	5	6	7	8	9 (2-3-4-5-6-7)	10((8/2)x100)
Northern Region	234996.97	3117.23	170.57	0.00	0.00	0.00	224302.97	7406.20	3.15
Western Region	332120.58	99896.14	0.00	144.00	0.00	0.00	221708.25	10372.19	3.12
Southern Region	212787.85	4758.03	0.00	0.00	0.00	0.00	200663.51	7366.31	3.46
Eastern Region	142021.92	55318.56	1254.36	7315.07	1330.61	0.00	70787.65	6015.68	4.24
North Eastern Region	19710.81	3117.64	0.00	1072.11	0.00	8.47	14746.36	766.23	3.89

Table 6.3
Regionwise Energy Generated, Purchased, Sold and Losses
Utilities
2023-24

Sl. No.	Item	Northern	Western	Southern	Eastern	North-East	All India
1	Own Including IPP & others Ex-bus Generation (GWh)	251850.76	266714.24	217929.49	117560.98	4385.85	858441.32
2	Ex-bus import from cpp (GWh)	2777.52	593.73	9154.02	3864.48	10.52	16400.28
3	Energy availabe for drawal from grid including Import from other country (GWh)	231879.74	232224.44	208029.82	86703.37	16593.18	775430.55
4	Total Energy Available (GWh) (1+2+3)	486508.02	499532.41	435113.34	208128.83	20989.55	1650272.15
5	Energy Sold/Export to other countries (GWh)	170.57	144.00	0.00	9900.04	1080.58	11295.19
6	Net Energy available for supply/Availability Ex-bus (GWh) (4-5)	486337.45	499388.41	435113.34	198228.80	19908.97	1638976.96
7	Energy sold to ultimate consumers (GWh)	390083.32	419227.62	365116.52	159759.09	15905.43	1350091.99
8	Energy loss in transformation, transmission and distribution and unaccounted for (GWh) (6-7)	96254.13	80160.78	69996.82	38469.71	4003.53	288884.98
9	Percentage loss (%) (=(8/6)*100)	19.79	16.05	16.09	19.41	20.11	17.63

Table 6.4
State-wise System Losses In The Year
2023-24

States/UTs	Own Incl. IPP & others Ex-bus Gen.	Ex-bus import from grid (*)	Ex-bus import from cpp	Availability Ex-bus (2+3+4)	Total consumptions	T & D Losses (5-6)	T&D Losses 2023-24 (7*100/5)	T&D Losses 2022-23
	GWh	GWh	GWh	GWh	GWh	GWh	%	%
1	2	3	4	5	6	7	8	9
Chandigrah	11.52	1832.37	0.00	1843.89	1588.80	255.10	13.83	15.99
Delhi	6754.63	31303.03	1.51	38059.18	32300.17	5759.00	15.13	11.62
Haryana	23451.88	44360.83	121.04	67933.74	55733.68	12200.06	17.96	18.80
Himachal	7482.28	5974.65	0.17	13457.10	11353.84	2103.26	15.63	14.21
UT of J&K and Ladakh	5550.62	14885.07	0.00	20435.68	10609.72	9825.97	48.08	50.93
Punjab	36656.97	32424.46	374.10	69455.53	59711.54	9743.99	14.03	14.24
Rajasthan	74384.94	33546.16	674.73	108605.83	83788.71	24817.12	22.85	20.29
Uttar Pradesh	90406.64	57600.83	1554.50	149561.97	121122.16	28439.81	19.02	20.88
Uttarakhand	7151.29	9781.77	51.47	16984.53	13874.71	3109.82	18.31	18.42
NORTHERN REGION	**251850.76**	**231709.17**	**2777.52**	**486337.45**	**390083.32**	**96254.13**	**19.79**	**19.72**
Chhattisgrah	21351.98	18984.42	37.23	40373.63	33495.67	6877.96	17.04	22.23
Gujarat	82653.12	65032.45	111.25	147796.82	128816.09	18980.73	12.84	14.93
Madhya Pradesh	40134.08	56496.01	23.20	96653.29	74567.75	22085.54	22.85	22.39
Maharastra	122063.72	75287.85	422.06	197773.63	167347.14	30426.49	15.38	14.75
DNH & DD	433.56	10993.42	0.00	11426.98	10198.92	1228.06	10.75	5.20
Goa	77.78	5286.28	0.00	5364.07	4802.06	562.01	10.48	7.05
WESTERN REGION	**266714.24**	**232080.44**	**593.73**	**499388.41**	**419227.62**	**80160.78**	**16.05**	**16.61**
Andhra Pradesh	50455.30	30212.49	637.05	81304.84	68626.45	12678.38	15.59	14.20
Telangana	43018.26	42413.80	856.02	86288.08	75140.09	11147.99	12.92	12.21
Karnataka	55089.13	37924.92	2498.58	95512.63	78964.05	16548.58	17.33	16.32
Kerala	7123.76	25325.84	207.81	32657.42	27580.69	5076.72	15.55	13.51
Tamilnadu	61955.39	68769.35	4946.65	135671.39	111646.65	24024.74	17.71	15.25
Puducherry	223.22	3383.43	7.91	3614.56	3104.11	510.45	14.12	14.62
Lakshadweep	64.43	0.00	0.00	64.43	54.48	9.95	15.44	13.99
SOUTHERN REGION	**217929.49**	**208029.82**	**9154.02**	**435113.34**	**365116.52**	**69996.82**	**16.09**	**14.52**
Bihar	10275.86	39755.37	31.28	50062.51	39278.00	10784.52	21.54	25.81
Jharkhand	21918.49	10477.27	223.98	32619.73	26333.32	6286.42	19.27	22.96
Orissa	26210.83	7194.66	3371.33	36776.83	28956.27	7820.56	21.26	21.31
West Bengal	58721.00	18811.39	237.89	77770.28	64409.53	13360.75	17.18	18.23
Sikkim	71.49	564.64	0.00	636.14	482.43	153.71	24.16	27.73
A.& N. Islands	363.30	0.00	0.00	363.30	299.54	63.76	17.55	25.18
EASTERN REGION	**117560.98**	**76803.33**	**3864.48**	**198228.80**	**159759.09**	**38469.71**	**19.41**	**21.45**
Arunachal Pradesh	2.51	1022.76	0.00	1025.27	673.78	351.49	34.28	42.95
Assam	2852.97	9426.06	10.52	12289.55	10126.05	2163.50	17.60	17.62
Manipur	8.74	1045.79	0.00	1054.52	849.64	204.89	19.43	21.39
Meghalaya	869.32	1260.98	0.00	2130.30	1690.88	439.42	20.63	22.14
Mizoram	98.11	552.69	0.00	650.80	503.40	147.40	22.65	18.66
Nagaland	80.33	940.46	0.00	1020.79	822.70	198.09	19.41	20.52
Tripura	473.88	1263.87	0.00	1737.74	1239.00	498.74	28.70	28.84
NORTH EASTERN REGION	**4385.85**	**15512.60**	**10.52**	**19908.97**	**15905.43**	**4003.53**	**20.11**	**20.75**
All India	**858441.32**	**764135.36**	**16400.28**	**1638976.96**	**1350091.99**	**288884.98**	**17.63**	**17.68**
Export to Other Countries				**11295.19**				

(*) Ex-bus import (net import) from grid includes central schedule, unschedule, bi-lateral, trading etc..

Table 6.5.0
Total Auxiliary Consumption in All Modes
Utilities
2023-24

(GWh)

Name of the State/Uts	Hydro	Steam	Diesel	Gas	Nuclear	RES	Total
Chandigarh	0.00	0.00	0.00	0.00	0.00	0.18	0.18
Delhi	0.00	224.11	0.00	125.17	0.00	47.49	396.76
Haryana	6.23	1898.63	0.00	10.81	0.00	56.22	1971.88
Himachal Pradesh	69.48	0.00	0.00	0.00	0.00	26.15	95.63
UT of J&K and Ladakh	15.44	0.00	0.00	0.00	0.00	4.09	19.53
Punjab	31.16	2983.26	0.00	10.81	0.00	120.40	3145.63
Rajasthan	11.85	4714.07	0.00	29.94	0.00	633.23	5389.09
Uttar Pradesh	14.08	5525.77	0.00	0.00	0.00	381.75	5921.59
Uttarakhand	44.48	49.63	0.00	24.62	0.00	35.81	154.53
Central Sector	429.78	7224.90	0.00	108.39	970.43	71.61	8805.10
Sub Total (NR)	**622.49**	**22620.36**	**0.00**	**309.74**	**970.43**	**1376.91**	**25899.93**
Chhatisgarh	1.03	7532.21	0.00	0.00	0.00	134.09	7667.33
Gujarat	11.64	6462.91	0.00	290.08	0.00	444.48	7209.11
Madhya Pradesh	36.61	4671.17	0.00	0.00	0.00	127.44	4835.22
Maharashtra	53.66	9843.70	0.00	113.88	0.00	590.90	10602.13
Dadar & Nagar Haveli and	0.00	0.00	0.00	0.00	0.00	1.35	1.35
Goa	0.00	0.00	0.00	0.00	0.00	1.57	1.57
Central Sector	28.79	8639.21	0.00	81.10	1423.93	16.11	10189.15
Sub Total (WR)	**131.73**	**37149.20**	**0.00**	**485.05**	**1423.93**	**1315.95**	**40505.87**
Andhra Pradesh	14.99	3334.26	0.00	0.09	0.00	240.75	3590.09
Telangana	35.91	2507.75	0.00	0.00	0.00	128.42	2672.08
Karnataka	79.84	2406.38	0.00	0.00	0.00	661.25	3147.47
Kerala	58.28	0.00	0.00	0.00	0.00	31.16	89.44
Tamil Nadu	17.26	3492.91	0.00	120.40	0.00	418.20	4048.77
Puducherry	0.00	0.00	0.00	12.94	0.00	0.18	13.12
Lakshadweep	0.00	0.00	0.45	0.00	0.00	0.00	0.45
Central Sector	0.00	5580.94	0.00	0.00	1815.41	22.74	7419.10
Sub Total (SR)	**206.28**	**17322.24**	**0.45**	**133.44**	**1815.41**	**1502.71**	**20980.52**
Bihar	0.00	0.00	0.00	0.00	0.00	18.49	18.49
Jharkhand	0.48	1145.24	0.00	0.00	0.00	0.26	1145.99
Odisha	48.36	2205.04	0.00	0.00	0.00	23.43	2276.82
West Bengal	26.32	3956.82	0.00	0.00	0.00	136.09	4119.22
Sikkim	29.95	0.00	0.00	0.00	0.00	0.12	30.07
Andaman & Nicobar Islan	0.00	0.00	5.58	0.00	0.00	0.44	6.03
Central Sector	35.99	10765.50	0.00	0.00	0.00	0.35	10801.85
Sub Total (ER)	**141.09**	**18072.60**	**5.58**	**0.00**	**0.00**	**179.20**	**18398.47**
Arunachal Pradesh	0.00	0.00	0.00	0.00	0.00	0.03	0.03
Assam	3.71	0.00	0.00	82.81	0.00	4.77	91.29
Manipur	0.00	0.00	0.00	0.00	0.00	0.22	0.22
Meghalaya	5.14	0.00	0.00	0.00	0.00	0.67	5.81
Mizoram	0.00	0.00	0.00	0.00	0.00	1.01	1.01
Nagaland	0.00	0.00	0.00	0.00	0.00	0.81	0.81
Tripura	0.00	0.00	0.00	4.82	0.00	0.00	4.82
Central Sector	34.13	436.00	0.00	290.76	0.00	0.79	761.68
Sub Total (NER)	**42.98**	**436.00**	**0.00**	**378.38**	**0.00**	**8.30**	**865.66**
All India	**1144.58**	**95600.40**	**6.03**	**1306.61**	**4209.77**	**4383.06**	**106650.46**

Note: Gross generation of a State includes generation from own power houses within the State under State & Private Sectors and theoretical shares from jointly owned power projects.

Table 6.5.1
Total Auxiliary Consumption Region-Wise/State-Wise All Modes Utilities
2023-24

State/UTs	Gross Electricity Generation (GWh)	Net Electricity Generation (GWh)	Auxiliary Consumption(GWh)	% of Gross Generation
Chandigarh	11.70	11.52	0.18	1.50
Delhi	7625.66	7228.89	396.76	5.20
Haryana	28076.01	26104.13	1971.88	7.02
Himachal Pradesh	12565.43	12469.80	95.63	0.76
UT of J&K and Ladakh	5559.07	5539.54	19.53	0.35
Punjab	48491.92	45346.29	3145.63	6.49
Rajasthan	109105.90	103716.81	5389.09	4.94
Uttar Pradesh	88255.40	82333.81	5921.59	6.71
Uttarakhand	10403.04	10248.51	154.53	1.49
Central Sector	148217.81	139412.71	8805.10	5.94
Sub Total (NR)	**458311.94**	**432412.01**	**25899.93**	**5.65**
Chhatisgarh	106684.54	99017.21	7667.33	7.19
Gujarat	112043.26	104834.15	7209.11	6.43
Madhya Pradesh	83335.19	78499.97	4835.22	5.80
Maharashtra	142359.64	131757.50	10602.13	7.45
Dadar & Nagar Haveli an	28.86	27.51	1.35	4.68
Goa	67.61	66.04	1.57	0.00
Central Sector	163262.05	153072.90	10189.15	6.24
Sub Total (WR)	**607781.14**	**567275.27**	**40505.87**	**6.66**
Andhra Pradesh	78317.51	74727.42	3590.09	4.58
Telangana	46051.34	43379.26	2672.08	5.80
Karnataka	71794.92	68647.45	3147.47	4.38
Kerala	7048.79	6959.35	89.44	1.27
Tamil Nadu	77994.84	73946.07	4048.77	5.19
Puducherry	236.34	223.22	13.12	5.55
Lakshadweep	64.88	64.43	0.45	0.70
Central Sector	97284.69	89865.60	7419.10	7.63
Sub Total (SR)	**378793.32**	**357812.80**	**20980.52**	**5.54**
Bihar	342.08	323.59	18.49	5.41
Jharkhand	16121.69	14975.70	1145.99	7.11
Odisha	38147.57	35870.75	2276.82	5.97
West Bengal	49625.88	45506.66	4119.22	8.30
Sikkim	3354.28	3324.21	30.07	0.90
Andaman & Nicobar Islar	369.33	363.30	6.03	1.63
Central Sector	159810.84	149008.99	10801.85	6.76
Sub Total (ER)	**267771.67**	**249373.20**	**18398.47**	**6.87**
Arunachal Pradesh	2.55	2.51	0.03	1.37
Assam	2321.97	2230.68	91.29	3.93
Manipur	8.96	8.74	0.22	2.46
Meghalaya	875.13	869.32	5.81	0.66
Mizoram	99.11	98.11	1.01	1.02
Nagaland	81.14	80.33	0.81	1.00
Tripura	478.69	473.88	4.82	1.01
Central Sector	17849.47	17087.79	761.68	4.27
Sub Total (NER)	**21717.02**	**20851.36**	**865.66**	**3.99**
All India	**1734375.09**	**1627724.63**	**106650.46**	**6.15**

Table 6.5.2
Auxiliary Consumption for Hydro Plants Region-Wise/State-Wise
Utilities
2023-24

State/UTs	Gross Electricity Generation (GWh)	Net Electricity Generation (GWh)	Auxiliary Consumption(GWh)	% of Gross Generation
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	715.60	709.37	6.23	0.87
Himachal Pradesh	9979.97	9910.49	69.48	0.70
UT of J&K and Ladakh	5150.38	5134.94	15.44	0.30
Punjab	4227.33	4196.17	31.16	0.74
Rajasthan	1118.66	1106.81	11.85	1.06
Uttar Pradesh	1618.52	1604.44	14.08	0.87
Uttarakhand	8049.99	8005.51	44.48	0.55
Central Sector	45032.69	44602.91	429.78	0.95
Sub Total (NR)	**75893.14**	**75270.65**	**622.49**	**0.82**
Chhatisgarh	321.76	320.73	1.03	0.32
Gujarat	1448.56	1436.92	11.64	0.80
Madhya Pradesh	4528.58	4491.97	36.61	0.81
Maharashtra	6018.59	5964.93	53.66	0.89
Dadar & Nagar Haveli an	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Central Sector	4470.50	4441.71	28.79	0.64
Sub Total (WR)	**16787.99**	**16656.26**	**131.73**	**0.78**
Andhra Pradesh	1688.20	1673.21	14.99	0.89
Telangana	1611.40	1575.49	35.91	2.23
Karnataka	8894.16	8814.32	79.84	0.90
Kerala	5155.72	5097.44	58.28	1.13
Tamil Nadu	3563.28	3546.02	17.26	0.48
Puducherry	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub Total (SR)	**20912.76**	**20706.48**	**206.28**	**0.99**
Bihar	0.00	0.00	0.00	0.00
Jharkhand	96.84	96.36	0.48	0.50
Odisha	5558.09	5509.73	48.36	0.87
West Bengal	1683.07	1656.75	26.32	1.56
Sikkim	3341.93	3311.98	29.95	0.90
Andaman & Nicobar Islar	0.00	0.00	0.00	0.00
Central Sector	3496.37	3460.38	35.99	1.03
Sub Total (ER)	**14176.30**	**14035.21**	**141.09**	**1.00**
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	328.89	325.18	3.71	1.13
Manipur	0.00	0.00	0.00	0.00
Meghalaya	808.58	803.44	5.14	0.64
Mizoram	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
Central Sector	5146.27	5112.14	34.13	0.66
Sub Total (NER)	**6283.74**	**6240.76**	**42.98**	**0.68**
All India	**134053.93**	**132909.35**	**1144.58**	**0.85**

Table 6.5.3
Auxiliary Consumption for Thermal (Coal & Lignite) Plants
Region-Wise/State-Wise (Utilities)
2023-24

State/UTs	Gross Electricity Generation (GWh)	Net Electricity Generation (GWh)	Auxiliary Consumption(GWh)	% of Gross Generation
Chandigarh	0.00	0.00	0.00	0.00
Delhi	3672.61	3448.50	224.11	6.10
Haryana	25449.48	23550.85	1898.63	7.46
Himachal Pradesh	0.00	0.00	0.00	0.00
UT of J&K and Ladakh	0.00	0.00	0.00	0.00
Punjab	39876.80	36893.54	2983.26	7.48
Rajasthan	64066.48	59352.41	4714.07	7.36
Uttar Pradesh	80295.63	74769.86	5525.77	6.88
Uttarakhand	813.24	763.62	49.63	6.10
Central Sector	86252.79	79027.89	7224.90	8.38
Sub Total (NR)	**300427.03**	**277806.67**	**22620.36**	**7.53**
Chhatisgarh	103885.34	96353.13	7532.21	7.25
Gujarat	65952.57	59489.66	6462.91	9.80
Madhya Pradesh	69682.92	65011.75	4671.17	6.70
Maharashtra	114892.32	105048.62	9843.70	8.57
Dadar & Nagar Haveli an	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Central Sector	139256.97	130617.76	8639.21	6.20
Sub Total (WR)	**493670.12**	**456520.92**	**37149.20**	**7.53**
Andhra Pradesh	59599.87	56265.61	3334.26	5.59
Telangana	37133.71	34625.96	2507.75	6.75
Karnataka	32374.21	29967.83	2406.38	7.43
Kerala	0.00	0.00	0.00	0.00
Tamil Nadu	43474.24	39981.33	3492.91	8.03
Puducherry	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Central Sector	73454.72	67873.78	5580.94	7.60
Sub Total (SR)	**246036.75**	**228714.51**	**17322.24**	**7.04**
Bihar	0.00	0.00	0.00	0.00
Jharkhand	16007.21	14861.97	1145.24	7.15
Odisha	31339.84	29134.80	2205.04	7.04
West Bengal	46024.27	42067.45	3956.82	8.60
Sikkim	0.00	0.00	0.00	0.00
Andaman & Nicobar Islar	0.00	0.00	0.00	0.00
Central Sector	156289.06	145523.56	10765.50	6.89
Sub Total (ER)	**249660.38**	**231587.78**	**18072.60**	**7.24**
Arunachal Pradesh	0.00	0.00	0.00	0.00
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
Mizoram	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
Central Sector	5058.11	4622.11	436.00	8.62
Sub Total (NER)	**5058.11**	**4622.11**	**436.00**	**8.62**
All India	**1294852.39**	**1199251.99**	**95600.40**	**7.38**

Table 6.5.4
Auxiliary Consumption for Diesel Plants Region-wise/State-wise
Utilities
2023-24

State/UTs	Gross Electricity Generation (GWh)	Net Electricity Generation (GWh)	Auxiliary Consumption(GWh)	% of Gross Generation
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
Haryana	0.00	0.00	0.00	0.00
Himachal Pradesh	0.00	0.00	0.00	0.00
UT of J&K and Ladakh	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
Uttarakhand	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NR)	**0.00**	**0.00**	**0.00**	**0.00**
Chhatisgarh	0.00	0.00	0.00	0.00
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
Dadar & Nagar Haveli an	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(WR)	**0.00**	**0.00**	**0.00**	**0.00**
Andhra Pradesh	0.00	0.00	0.00	0.00
Telangana	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
Puducherry	0.00	0.00	0.00	0.00
Lakshadweep	64.79	64.34	0.45	0.70
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(SR)	**64.79**	**64.34**	**0.45**	**0.70**
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Odisha	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Andaman & Nicobar Islar	335.79	330.21	5.58	1.66
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(ER)	**335.79**	**330.21**	**5.58**	**1.66**
Arunachal Pradesh	0.00	0.00	0.00	0.00
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
Mizoram	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
Central Sector	0.00	0.00	0.00	0.00
Sub-Total(NER)	**0.00**	**0.00**	**0.00**	**0.00**
All India	**400.58**	**394.55**	**6.03**	**1.51**

Table 6.5.5
Auxiliary Consumption for Gas based Plants Region-wise/State-wise
Utilities
2023-24

State/UTs	Gross Electricity Generation (GWh)	Net Electricity Generation (GWh)	Auxiliary Consumption(GWh)	% of Gross Generation
Chandigarh	0.00	0.00	0.00	0.00
Delhi	3224.37	3099.20	125.17	3.88
Haryana	265.39	254.58	10.81	4.07
Himachal Pradesh	0.00	0.00	0.00	0.00
UT of J&K and Ladakh	0.00	0.00	0.00	0.00
Punjab	265.39	254.58	10.81	4.07
Rajasthan	790.10	760.16	29.94	3.79
Uttar Pradesh	0.00	0.00	0.00	0.00
Uttarakhand	609.78	585.16	24.62	0.00
Central Sector	2111.32	2002.93	108.39	5.13
Sub Total (NR)	**7266.35**	**6956.61**	**309.74**	**4.26**
Chhatisgarh	0.00	0.00	0.00	0.00
Gujarat	6872.04	6581.96	290.08	4.22
Madhya Pradesh	0.00	0.00	0.00	0.00
Maharashtra	2750.45	2636.57	113.88	4.14
Dadar & Nagar Haveli an	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Central Sector	2533.40	2452.30	81.10	3.20
Sub Total (WR)	**12155.89**	**11670.84**	**485.05**	**3.99**
Andhra Pradesh	2.41	2.32	0.09	3.79
Telangana	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	1918.62	1798.22	120.40	6.28
Puducherry	224.10	211.16	12.94	5.77
Lakshadweep	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub Total (SR)	**2145.13**	**2011.69**	**133.44**	**6.22**
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Odisha	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Andaman & Nicobar Islar	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub Total (ER)	**0.00**	**0.00**	**0.00**	**0.00**
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	1678.75	1595.94	82.81	4.93
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	0.00	0.00	0.00
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	478.69	473.88	4.82	1.01
Central Sector	7571.14	7280.38	290.76	3.84
Sub Total (NER)	**9728.58**	**9350.20**	**378.38**	**3.89**
All India	**31295.95**	**29989.34**	**1306.61**	**4.18**

Table 6.5.6
Auxiliary Consumption for Nuclear Plants Region-wise/State-wise Utilities
2023-24

State/UTs	Gross Electricity Generation (GWh)	Net Electricity Generation (GWh)	Auxiliary Consumption(GWh)	% of Gross Generation
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	0.00	0.00	0.00
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
Uttarakhand	0.00	0.00	0.00	0.00
Central Sector	9934.30	8963.87	970.43	9.77
Sub Total (NR)	**9934.30**	**8963.87**	**970.43**	**9.77**
Chhatisgarh	0.00	0.00	0.00	0.00
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
Daman & Diu	0.00	0.00	0.00	0.00
Goa	0.00	0.00	0.00	0.00
Central Sector	15689.24	14265.31	1423.93	9.08
Sub Total (WR)	**15689.24**	**14265.31**	**1423.93**	**9.08**
Andhra Pradesh	0.00	0.00	0.00	0.00
Telangana	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
Puducherry	0.00	0.00	0.00	0.00
Lakshadweep	0.00	0.00	0.00	0.00
Central Sector	22313.87	20498.46	1815.41	8.14
Sub Total (SR)	**22313.87**	**20498.46**	**1815.41**	**8.14**
Bihar	0.00	0.00	0.00	0.00
Jharkhand	0.00	0.00	0.00	0.00
Odisha	0.00	0.00	0.00	0.00
West Bengal	0.00	0.00	0.00	0.00
Sikkim	0.00	0.00	0.00	0.00
Andaman & Nicobar Islar	0.00	0.00	0.00	0.00
Central Sector	0.00	0.00	0.00	0.00
Sub Total (ER)	**0.00**	**0.00**	**0.00**	**0.00**
Arunachal Pradesh	0.00	0.00	0.00	0.00
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
Mizoram	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
Central Sector	0.00	0.00	0.00	0.00
Sub Total (NER)	**0.00**	**0.00**	**0.00**	0.00
All India	**47937.41**	**43727.64**	**4209.77**	**8.78**

Chapter 7

Operating Data of Utilities

Fuel Consumption

- There are 186 Nos. of Coal fired thermal stations operating in the country as on 31.03.2024.
- CEA is monitoring fuel consumption of 186 stations having Installed Capacity 210969.50 MW.
- For the year 2023-24, the Coal consumption of 186 stations was 849.72 Million Tonnes.

Thermal Efficiency

- The total numbers of Coal/Lignite/Multi-fuel Power Stations ending March 2023 were 198 having an aggregate installed capacity of 217589.5 MW. Out of these, 186 Stations are coal fired and 12 are of Lignite fired.
- CEA has received actual data of 154 Thermal Power Stations. These Thermal Power Stations have capacity of 181869.5 MW.
- Average calorific value of the last year 2022-23 for the remaining stations have been taken for calculation of thermal efficiency.
- 2.73% stations are operating below 25%, 6.56% stations are operating at 25% to 30%, 32.79% stations are operating at 30% to 35% and 57.92% stations are operating at above 35% efficiency.

Plant Load Factor

- Under Private Sector, Jharkhand recorded the highest PLF of 84.81%.
- All India Plant Load factors of Central Sector Thermal Power Stations were 75.09%. All India Plant Load Factors of State and Private Sector of Thermal Power Stations were 64.70% and 67.65% respectively.

- All India PLF of all Nuclear Power Stations in the country was 74.70%.

Manpower

- Amongst State Electricity Corporations/Undertakings that have reported the engaged manpower, Maharashtra State Electricity Distribution Co. Ltd. (MSEDCL) had the highest manpower engaged as regular & non-regular
- MSEDCL was followed by Tamil Nadu Generation & Distribution Corporation Ltd. and Tamil Nadu Transmission Corp. Ltd.

The tables that follow in this Chapter give figures of fuel consumption, thermal efficiency-based classification of steam stations, specific coal consumption, plant load factor, manpower, peak demand met etc.

Table 7.1

Consumption of Fossil Fuels for Electricity Generation in Thermal Power Stations State-Wise by Kind of Fuels
2023-24

State/UTs	Coal/Lignite based Power Plants							
	Coal 000' MT	Furnace Oil (KL)	Light Diesel Oil/HSD(KL)	LSHS/HHS (KL)	Gas (MMSCM)	Biomass (MT)	Lignite 000'(MT)	Generation (GWh)
Delhi	0	0	0	0	0	0	0	0
Haryana	13693	0	6533	0	0	79929	0	19775
Himachal Pradesh	0	0	0	0	0	0	0	0
UT of J&K and Ladakh	0	0	0	0	0	0	0	0
Punjab	21059	18512	2995	0	0	16803	0	32463
Rajasthan	33693	35324	10106	8894	0	0	5873	58786
Uttar Pradesh	51135	2040	36970	0	0	0	0	76229
Uttarakhand	0	0	0	0	0	0	0	0
Central Sector (NR)	54199	38371	0	0	0	0	1425	86253
Sub-Total (NR)	**173781**	**94247**	**56604**	**8894**	**0**	**96732**	**7298**	**273506**
Chhattisgarh	76526	3866	10525	0	0	50	0	103885
Gujarat	39170	36177	9661	394	0	0	6169	76597
Madhya Pradesh	56071	9778	10270	0	0	734	0	90014
Maharashtra	79170	0	73339	0	0	0	0	110837
Daman & Diu	0	0	0	0	0	0	0	0
D. & N. Haveli	0	0	0	0	0	0	0	0
Goa	0	0	0	0	0	0	0	0
Central Sector (WR)	93914	43378	0	0	0	0	0	139257
Sub-Total (WR)	**344849**	**93199**	**103795**	**394**	**0**	**784**	**6169**	**520591**
Andhra Pradesh	42070	5816	876	0	0	0	0	59600
Telangana	23494	10746	3151	0	0	0	0	37134
Karnataka	21623	53664	11688	0	765898*	15	0	32374
Kerala	0	0	0	0	0	0	0	0
Tamil Nadu	31830	17716	2885	0	0	0	1532	43474
Puducherry	0	0	0	0	0	0	0	0
Lakshadweep	0	0	0	0	0	0	0	0
Central Sector (SR)	37261	32046	21026	0	0	0	20036	73455
Sub-Total (SR)	**156277**	**119988**	**39627**	**0**	**765898**	**15**	**21569**	**246037**
Bihar	0	0	0	0	0	0	0	0
Jharkhand	10431	2388	960	0	0	0	0	16007
Odisha	22518	1423	2116	0	0	0	0	30930
West Bengal	31279	1987	12318	0	0	0	0	46024
Sikkim	0	0	0	0	0	0	0	0
A.& N. Islands	0	0	0	0	0	0	0	0
Central Sector (ER)	107438	84525	18454	0	0	0	0	156289
Sub-Total (ER)	**171666**	**90324**	**33848**	**0**	**0**	**0**	**0**	**249251**
Arunachal Pradesh	0	0	0	0	0	0	0	0
Assam	0	0	0	0	0	0	0	0
Manipur	0	0	0	0	0	0	0	0
Meghalaya	0	0	0	0	0	0	0	0
Mizoram	0	0	0	0	0	0	0	0
Nagaland	0	0	0	0	0	0	0	0
Tripura	0	0	0	0	0	0	0	0
Central Sector (NER)	3144	2020	0	0	0	0	0	5058
Sub-Total (NER)	**3144**	**2020**	**0**	**0**	**0**	**0**	**0**	**5058**
Total (All India)	**849717**	**399778**	**233874**	**9288**	**765898**	**97531**	**35036**	**1294443**

*** JSW Toranagallu TPS (SBU I & II) uses By-product waste gas from Steel Plant as a fuel which reduces the coal consumption.**

Table 7.1(A)

Consumption of Fossil Fuels for Electricity Generation in Thermal Power Stations State-Wise by Kind of Fuels
2023-24

State/UTs	Gas based Power Plants				Diesel Power Plants		
	Natural Gas (MMSCM)	H.S.D. (Kilo Ltrs.)	Naptha (Kilo Ltrs.)	Generation (GWh)	LSHS (KL)	Diesel Oil (Kilo Ltrs.)	Generation (GWh)
Delhi	755	0	0	3755	0	0	0
Haryana	33	0	0	137	0	0	0
Himachal Pradesh	0	0	0	0	0	0	0
UT of J&K and Ladakh	0	0	0	0	0	0	0
Punjab	0	0	0	0	0	0	0
Rajasthan	411	0	0	1145	0	0	0
Uttar Pradesh	425	0	0	1620	0	0	0
Uttarakhand	157	0	0	610	0	0	0
Central Sector (NR)	258	16503	8749	1045	0	0	0
Sub-Total (NR)	**2039**	**16503**	**8749**	**8311**	**0**	**0**	**0**
Chhattisgarh	0	0	0	0	0	0	0
Gujarat	1645	0	0	8185.06	0	0	0
Madhya Pradesh	0	0	0	0	0	0	0
Maharashtra	904	0	0	3971	0	0	0
Daman & Diu	0	0	0	0	0	0	0
D. & N. Haveli	0	0	0	0	0	0	0
Goa	0	0	0	0	0	0	0
Central Sector (WR)	212	77	1160	848	0	0	0
Sub-Total (WR)	**2761**	**77**	**1160**	**13004**	**0**	**0**	**0**
Andhra Pradesh	0	0	0	2	0	0	0
Telangana	0	0	0	0	0	0	0
Karnataka	0	0	0	0	0	0	0
Kerala	0	0	0	0	28	2	0
Tamil Nadu	412	32	15780	1919	0	0	0
Puducherry	58	0	0	224	0	0	0
Lakshadweep	0	0	0	0	64.79	17876	58
Central Sector (SR)	0	0	0	0	0	0	0
Sub-Total (SR)	**470**	**32**	**15780**	**2145**	**93**	**17877**	**59**
Bihar	0	0	0	0	0	0	0
Jharkhand	0	0	0	0	0	0	0
Odisha	0	0	0	0	0	0	0
West Bengal	0	0	0	0	0	0	0
Sikkim	0	0	0	0	0	0	0
A.& N. Islands	0	0	0	0	0	87567	336
Central Sector (ER)	0	0	0	0	0	0	0
Sub-Total (ER)	**0**	**0**	**0**	**0**	**0**	**87567**	**336**
Arunachal Pradesh	0	0	0	0	0	0	0
Assam	927	0	0	3375	0	0	0
Manipur	0	0	0	0	0	0	0
Meghalaya	0	0	0	0	0	0	0
Mizoram	0	0	0	0	0	0	0
Nagaland	0	0	0	0	0	0	0
Tripura	1445	0	0	6353	0	0	0
Central Sector (NER)	1870	0	0	8219	0	0	0
Sub-Total (NER)	**4241**	**0**	**0**	**17947**	**0**	**0**	**0**
Total (All India)	**9511**	**16612**	**25689**	**41408**	**93**	**105445**	**394**

MMSCM:-Million Metric Standard Cubic Metre.

Table 7.2

Classification of Steam Type Electricity Generating Stations
Efficiency-wise
2023-24

Thermal Efficiency	Percentage(%) of Generating Stations
Up to 25%	2.73
Above 25% & up to 30%	6.56
Above 30% & up to 35%	32.79
Above 35%	57.92
Total	**100.00**

* Efficiency has been worked out on the basis of data available for 183 thermal stations.

All India Thermal Efficiency of Coal & Lignite Based Plants

Year	(%)
2013-14	**34.32**
2014-15	**34.68**
2015-16	**34.94**
2016-17	**35.11**
2017-18	**35.35**
2018-19	**35.62**
2019-20	**35.69**
2020-21	**35.88**
2021-22	**35.11**
2022-23	**35.72**
2023-24	**36.03**

Table 7.3

Salient Operating Data for Coal/Lignite Based Electricity Generating Plants (Utilities) 2023-24

Sl. No.	Item	Coal	Lignite	Furnance Oil	Diesel	LSHS & HHS
1	**Fuel Consumption of Coal/ Lignite Power Stations.**	**(MMT)**	**(MMT)**	**(K.Ltrs.)**	**(K.Ltrs.)**	**(K.Ltrs.)**
	2010-11	380	29	897316	326151	4699
	2011-12	411	31	848262	257701	44797
	2012-13	455	32	763737	6384	44334
	2013-14	489	25	592059	93057	4021
	2014-15	531	35	438468	161848	2579
	2015-16	546	30	343703	136898	1840
	2016-17	575	31	348393	166704	1020
	2017-18	608	36	325963	201399	2556
	2018-19	629	37	270900	239126	3822
	2019-20	622	35	250376	287657	9767
	2020-21	615	34	246671	292142	12989
	2021-22	697	38	321902	338040	14194
	2022-23	749	36	687696	304332	6509
	2023-24	850	35	399778	233874	9288
2	**Average Calorific Value**	**(kcal/kg)**	**(kcal/kg)**	**(kcal/litr)**	**(kcal/litr)**	**(kcal/litr)**
	2010-11	3603	2729	10156	9786	10327
	2011-12	3606	2714	10280	9974	10417
	2012-13	3589	2731	10241	9981	10391
	2013-14	3501	2713	10127	10172	10068
	2014-15	3558	2699	10074	9984	10173
	2015-16	3566	2710	10037	10168	10437
	2016-17	3703	2678	10067	9831	9982
	2017-18	3721	2688	9999	9872	10297
	2018-19	3733	2697	10020	9890	10114
	2019-20	3648	2683	9959	9851	9963
	2020-21	3645	2694	9995	9841	9909
	2021-22	3691	2684	12091	10924	13916
	2022-23	3591	2726	9654	10112	10033
	2023-24	3530	2684	9837	10016	10009
3	**Specific Fuel Consumption**	**(kg/kWh)**	**(kg/kWh)**			
	2010-11	0.70	1.12	N.A.	N.A.	N.A.
	2011-12	0.71	1.12	N.A.	N.A.	N.A.
	2012-13	0.71	1.11	N.A.	N.A.	N.A.
	2013-14	0.71	1.04	N.A.	N.A.	N.A.
	2014-15	0.69	1.06	N.A.	N.A.	N.A.
	2015-16	0.68	1.06	N.A.	N.A.	N.A.
	2016-17	0.66	1.10	N.A.	N.A.	N.A.
	2017-18	0.65	1.08	N.A.	N.A.	N.A.
	2018-19	0.64	1.07	N.A.	N.A.	N.A.
	2019-20	0.65	1.07	N.A.	N.A.	N.A.
	2020-21	0.65	1.05	N.A.	N.A.	N.A.
	2021-22	0.66	1.04	N.A.	N.A.	N.A.
	2022-23	0.65	1.01	N.A.	N.A.	N.A.
	2023-24	0.66	1.01	N.A.	N.A.	N.A.

Note: **N.A:- Not Applicable.**
MMT :- Million Metric Tonnes.

Table 7.4
All India Peak Electricity Demand/Peak Met State-Wise
2023-24

State/UTs	Peak Demand (MW)	Peak Met (MW)	Demand Not Met (MW)	%
Chandigarh	411	411	0	0.00
Delhi	7,437	7,437	0	0.00
Haryana	13,088	12,844	244	1.90
Himachal Pradesh	2,181	2,181	0	0.00
UT of J&K and Ladakh	3,181	3,133	48	1.50
Punjab	15,293	15,293	0	0.00
Rajasthan	18,128	18,128	0	0.00
Uttar Pradesh	28,704	28,284	420	1.50
Uttarakhand	2,635	2,405	230	8.70
NORTHERN REGION	**80,980**	**80,548**	**432**	**0.50**
Chhattisgarh	6,148	6,148	0	0.00
Gujarat	24,829	24,544	285	1.10
Madhya Pradesh	18,252	17,817	435	2.40
Maharashtra	31,178	27,996	3182	10.20
Dadra & Nagar Haveli and Dam	1,327	1,327	0	0.00
Goa	776	776	0	0.00
WESTERN REGION	**76,050**	**72,556**	**3494**	**4.60**
Andhra Pradesh	13,237	13,237	0	0.00
Telangana	15,622	15,622	0	0.00
Karnataka	17,212	17,212	0	0.00
Kerala	5,284	5,284	0	0.00
Tamil Nadu	19,045	19,045	0	0.00
Puducherry	524	524	0	0.00
Lakshadweep #	12	12	0	0.60
SOUTHERN REGION	**68,094**	**68,094**	**0**	**0.00**
Bihar	8,049	7,420	629	7.80
DVC	3,451	3,451	0	0.00
Jharkhand	2,193	2,020	173	7.90
Orissa	6,443	6,443	0	0.00
West Bengal	11,626	11,626	0	0.00
Sikkim	133	133	0	0.30
Andaman Nicobar #	65	60	5	7.70
EASTERN REGION	**30,256**	**29,299**	**957**	**3.20**
Arunachal Pradesh	186	186	0	0.20
Assam	2413	2413	0	0.00
Manipur	258	248	10	3.80
Meghalaya	405	405	0	0.00
Mizoram	162	162	0	0.00
Nagaland	174	174	0	0.10
Tripura*	362	362	0	0.00
NORTH EAST REGION	**3,678**	**3,678**	**0**	**0.00**
ALL INDIA	**2,43,271**	**2,39,931**	**3340**	**1.40**

Lakshadweep and Andaman & Nicobar Islands are stand- alone systems, power supply position of these, does not form part of regional requirement and supply.

* Excludes the supply to Bangladesh.

Note: Power Supply Position Report has been compiled based on the data furnished by StateUtilities/ Electricity Departments.

Table 7.5

MANPOWER ENGAGED IN STATE POWER CORPORATIONS & PRIVATE Organizations
AS ON 31.03.2024 (AS REPORTED)

	R E G U L A R						NON R E G U L A R				
Name of the Board/Undertaking	**Managerial and higher executive**	**Technical & Scientific Officers**	**Technical Supervisory Staff**	**Technicians & Operating Staff**	**Non-Technical**	**Total (Regular) (2to6)**	**Technical Trainees and Apprentises**	**Worked Charged Staff**	**Casual**	**Total Non-Regular (8+9+10)**	**Total Regular & Non-Regular (7+11)**
1	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**
NORTHERN REGION											
(1)Chandigarh	0	41	71	429	106	**647**	0	515	0	515	**1162**
(2)Delhi											
(a)IPGCL+PPCL	7	253	72	225	212	**769**	0	20	0	20	**789**
(b)Delhi Transco Ltd.	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(c)BSES Rajdhani	247	628	336	103	868	**2182**	0	2080	0	2080	**4262**
(d)BSES Yamuna	92	515	119	187	752	**1665**	141	239	0	380	**2045**
(e)Tata Power Delhi Distt. Ltd.	19	991	634	362	904	**2910**	73	0	0	73	**2983**
(3)Haryana											
(a)HPGCL	2	413	178	608	307	**1508**	0	0	0	0	**1508**
(b)Uttar Haryana BVNL	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(c)Dakshin Haryana BVN	11	332	790	7586	2559	**11278**	0	7413	0	7413	**18691**
(d)Haryana V.P.Nigam	6	3524	0	0	803	**4333**	0	0	0	0	**4333**
(e)Jhajjar Power Limited			227			**227**		0		0	**227**
(4)Himachal Pradesh											
(a)HPSEB	21	704	5203	7373	3510	**16811**	0	119	3043	3162	**19973**
(b)JSW	17	73	21	953	56	**1120**	33	0	0	33	**1153**
(c)IAHEPL	1	11	3	25	12	**52**	0	51	0	51	**103**
(d)Everest Power Malana II	1	4	20	35	5	**65**	0	5	0	5	**70**
(e)Malana PCL	1	14	11	50	11	**87**	0	0	0	0	**87**
(f)HSPCL (Sorang)	3	20	15	32	9	**79**	2	37	0	39	**118**
(g)HPPCL	11	220	85	44	179	**539**	0	0	0	0	**539**
(H)ADHPL	2	38	7	17	9	**73**	0	0	0	0	**73**
(I)Greenko Budhil	12	0	7	68	0	**87**	12	24	1	37	**124**
(5)UT of J&K and Ladakh											
(a)KPDCL	4	1660	0	0	4718	**6382**	0	0	5903	5903	**12285**
(b)JPDCL	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(c)Electrict Maintenance Department, Ladakh	2	9	48	745	0	**804**	0	0	0	0	**804**
(d)JKSPDCL	1	38	58	147	59	**303**	0	1	49	50	**353**
(e)JKPTCL	0	60	92	568	168	**888**	0	0	646	646	**1534**
(6)Punjab											
(a)Punjab State Power Corpn. Ltd	5	81	611	8089	2509	**11295**	582	0	0	582	**11877**
(b)Punjab State Transmission Corpn. Ltd	8	395	579	945	503	**2430**	0	984	0	984	**3414**
(c)Nabha Power Limited(NPL)	11	158	14	0	66	**249**	24	27	939	990	**1239**
(d) Talwandi Sabo Power Ltd			2098			**2098**	0	0	0	0	**2098**
(7)Rajasthan											
(a)Rajasthan Rajya VUN Ltd.	6	1357	1021	1048	610	**4042**	0	0	1	1	**4043**
(b)RVPNL	3	1589	331	3733	877	**6533**	0	0	0	0	**6533**
(c)Jaipur VVN Ltd	941		0	5968	703	**7612**	0	0	0	0	**7612**
(d)Ajmer VVN Ltd.	8	1330	241	10006	2928	**14513**	0	0	0	0	**14513**
(e)Jodhpur VVN Ltd.	6	500	848	9915	2442	**13711**	0	0	0	0	**13711**
(f)JSW Energy (Barmer) Limited	41	144	16	0	42	**243**	0	874	0	874	**1117**
(8)Uttar Pradesh											
(a)UPRVUNL	29	1451	1019	2492	1239	**6230**	0	0	0	0	**6230**
(b)MVVNL(Lucknow UP)	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(c)DVVNL(Agra UP)	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(d)KESCO(KANPUR)	3	76	118	686	336	**1219**	0	0	0	0	**1219**
(e)Pur.VVNL(Varanasi UP)	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(f)Paschi.VVNL(Meerut UP)	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(g)UPJVNL	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(h)UPPCL (includes manpower of all UP State Sector Discoms)	68	3075	4155	15843	8144	**31285**	0	0	0	0	**31285**
(i)UPPTCL	29	1451	1019	2492	1239	**6230**	0	0	0	0	**6230**
(j)Bajaj Energy Ltd.	122	0	127	155	124	**528**	0	0	0	0	**528**
(k)Rosa Power	16	218	0	0	25	**259**	0	1750	0	1750	**2009**
(l)LPGCL	104	0	149	9	174	**436**	0	0	0	0	**436**
(n)PPGCL	23	151	2	7	53	**236**	3	3	3146	3152	**3388**
(o)NPCL	10	196	195	13	135	**549**	0	0	0	0	**549**
(9)Uttarakhand											
(a)Uttaranchal Power corp. Ltd.	12	387	530	738	744	**2411**	160	0	0	160	**2571**
(b)Uttaranchal Jal V N Ltd.	1	7	9	34	1	**52**	0	0	63	63	**115**
(c)PTCUL	11	255	269	192	153	**880**	0	0	0	0	**880**
(d)Jai Prakash Power (Vishnuprayag)	10	45	17	113	39	**224**	0	0	48	48	**272**
(e)Sravanthi (Kashipur CCPP)	8	9	29	24	22	**92**	0	0	0	0	**92**
(f)GAMA Infra	3	26	14	25	0	**68**	4	13	5	22	**90**
(g)AHPCL	4	21	22	0	19	**66**	0	135	0	135	**201**
WESTERN REGION											
(10)Chhattisgarh											
(a)Chhatisgarh SPTCL	12	323	156	503	525	**1519**	0	0	94	94	**1613**
(b)Chhatisgarh SPDCL	22	871	620	3639	2804	**7956**	0	2413	0	2413	**10369**
(c)Chhatisgarh SPGCL	18	952	800	183	1110	**3063**	245	0	0	245	**3308**
(d)Lanco Amarkantak Power Ltd.	6	129	11	271	30	**447**	0	567	0	567	**1014**
(e)ACB(India)ltd (Kasaipalli)	1	45	33	44	1	**124**	1	0	207	208	**332**
(f)ACB(India)ltd (Chakabura)	2	48	0	0	40	**90**	0	159	0	159	**249**
(g)Spectrum Coal & Power Ltd. (Ratiza TPS)	8	50	12	5	2	**77**	0	0	356	356	**433**
(h)DB Power Ltd.	15	156	2	183	135	**491**	0	0	0	0	**491**
(i)Jindal Power Ltd.	68	324	484	690	66	**1632**	40	0	0	40	**1672**
(j)TRN Energy	22	72	15	43	25	**177**	29	0	0	29	**206**
(k)KSK (WPCL)	34	0	178	0	37	**249**	0	735	1914	2649	**2898**
(l)SV Power P.Ltd.	1	49	4	3	6	**63**	0	133	127	260	**323**

(11)Gujarat											
(a)Guj. Energy Trans Corporation	3	1065	1163	10949	1208	**14388**	1512	0	0	1512	**15900**
(b)Madhya Guj.Vij.Co.Ltd.	2	274	359	4178	2425	**7238**	0	0	0	0	**7238**
(c)Dakshin Guj.Vij.Co.Ltd.	4	756	1028	3645	2701	**8134**	0	0	0	0	**8134**
(d)Uttar Guj.Vij.Co.Ltd.	3	803	724	4655	3854	**10039**	1111	0	0	1111	**11150**
(e)Pachim Guj.Vij.Co.Ltd.	3	1356	452	4581	5521	**11913**	1323	0	0	1323	**13236**
(f)GSECL	13	1009	890	2914	1045	**5871**	950	0	0	950	**6821**
(g)Gujrat Mineral Dev.Corpn.	3	24	29	13	22	**91**	12	0	0	12	**103**
(h)Essar(Salaya)	2	98	56	0	33	**189**	5	0	0	5	**194**
(i)GSPC Pipapvav	2	57	4	29	6	**98**	0	0	17	17	**115**
(j)GIPCL(Surat Lignite)	9	154	54	16	25	**258**	0	0	0	0	**258**
(k)GSEGL	17	69	0	0	22	**108**	0	0	0	0	**108**
(l)Torrent Power Ltd. Ahmedabad	223	881	89	799	730	**2722**	61	0	0	61	**2783**
(m)Torrent Power Ltd. Surat	17	13	198	113	432	**773**	52	0	0	52	**825**
(n) Torrent Power Ltd. Dahej	2	4	0	30	0	**36**	0	0	0	0	**36**
(o)Deendayal Port Trust	1	8	15	8	2	**34**	0	0	4	4	**38**
(p)GIFT Gujarat	1	3	4	8	0	**16**	0	0	0	0	**16**
(q)GIPCL Vadodara	9	14	10	47	28	**108**	1	0	90	91	**199**
(r)Jubilant Infrastructure Ltd	1	1	2	4	0	**8**	1	1	1	3	**11**
(s) CGPL Mundra	0	0	0	278	0	**278**	0	0	3159	3159	**3437**
(12)Madhya Pradesh											
(a)MPPGCL	3	849	390	1490	780	**3512**	0	0	0	0	**3512**
(b)MPPTCL	2	351	506	1645	561	**3065**	0	0	0	0	**3065**
(c)MPMKVVCL, Bhopal	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(d)MPPKVVCL, Indore	8	891	1416	289	4386	**6990**	0	0	0	0	**6990**
(e)MPPKVVCL, Jabalpur	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(f)Jai Prakash Power (Nigrie)	18	149	2	82	406	**657**	567	41	1252	1860	**2517**
(g)Sasan UMPP	26	0	153	346	65	**590**	24	2063	977	3064	**3654**
(13)Maharashtra											
(a)MSPGCL (MAHAGENCO)	27	0	4378	4324	1611	**10340**	0	0	0	0	**10340**
(b)MSETCL	19	2045	1083	4480	1052	**8679**	0	3545	0	3545	**12224**
(c)MSEDCL	54	462	7840	61038	12433	**81827**	0	0	0	0	**81827**
(d)BEST	5	816	191	2869	833	**4714**	36	0	591	627	**5341**
(e)Adani Electricity	231	1089	838	0	962	**3120**	216	710	5769	6695	**9815**
(f)TATA CO (Mumbai)	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(g)TATA PCL (Trombay CCPP)	10	180	40	130	0	**360**	20	1000	0	1020	**1380**
(h)GMR Warora	1	152	0	0	14	**167**	0	0	770	770	**937**
(i)Jawaharlal Nehru Port Authority- SEZ	1	2	8	7	0	**18**	0	6	0	6	**24**
(j)JSW Energy Ltd. (Ratnagiri)	2	72	40	24	25	**163**	0	0	0	0	**163**
(k)Rattan India(Amaravati)			540			**540**	0	0	0	0	**540**
(l)Nidar utilities	5	4	1	0	2	**12**	0	10	0	10	**22**
(m)Dhariwal Infrastructure Ltd.	3	96	33	0	8	**140**	0	0	0	0	**140**
(n)Jaigad Power Transco Ltd.	1	1	2	0	2	**6**	0	0	12	12	**18**
(14)Goa	1	207	223	4354	1733	**6518**	97	525	0	622	**7140**
(15)UT of Dadra & Nagar Haveli and Daman &DIU	32	116	13	604	40	**805**	0	0	0	0	**805**
SOUTHERN REGION											
(16)Andhra Pradesh											
(a)APGENCO	13	1981	166	2394	722	**5276**	0	4732	0	4732	**10008**
(b)APTRANSCO	13	1532	16	164	249	**1974**	0	5909	0	5909	**7883**
(c)Eastern Power Dis Co of AP	11	750	451	6534	1637	**9383**	0	4681	0	4681	**14064**
(d)South Power Dis Co of AP	7	839	478	7812	2563	**11699**	0	8667	0	8667	**20366**
(e)Kuppam	1	2	6	190	36	**235**	0	0	0	0	**235**
(f)GREL CCPP (Rajahmundry)	0	6	0	0	0	**6**	0	0	0	0	**6**
(g)VEMAGIRI CCPP	0	10	0	0	15	**25**	0	0	10	10	**35**
(h)APPDCL	1	213	76	46	36	**372**	0	0	1247	1247	**1619**
(17)Telangana											
(a)Telangana Transco	25	1567	19	1055	473	**3139**	3806	0	0	3806	**6945**
(b)TSGENCO	25	2541	121	3008	1005	**6700**	0	0	0	0	**6700**
(c)North Power Dis Co of Telangana	12	1805	648	5865	2252	**10582**	0	3516	0	3516	**14098**
(d)South Power Dis Co of Telangana	17	713	1970	6816	3087	**12603**	0	8648	0	8648	**21251**
(e)Singareni Thermal Power Plant (SCCL)	5	60	318	689	74	**1146**	0	0	459	459	**1605**
(18)Karnataka											
(a)KPTCL	14	2200	2102	4000	1183	**9499**	0	10554	0	10554	**20053**
(b)KPCL	10	1339	278	955	1106	**3688**	128	17	0	145	**3833**
(c)Hubli Elec. Supply Co. Ltd.	2	487	1195	5161	2629	**9474**	0	0	0	0	**9474**
(d)Gulbarga Elec. Supply Co. Ltd.	4	512	216	5426	1199	**7357**	181	0	0	181	**7538**
(e)Bangalore Elec. Supply Co. Ltd.	9	1947	7557	0	4381	**13894**	0	0	0	0	**13894**
(f)Mangalore Elec. Supply Co. Ltd.	5	364	256	3508	1123	**5256**	0	0	0	0	**5256**
(g)Chamundeshwari Elec. Supply Corpn. Ltd.	8	541	371	403	247	**1570**	21	0	0	21	**1591**
(h)Hukeri Co-op	0	0	7	57	20	**84**	0	335	0	335	**419**
(i)RPCL (YERMARUS TPP)	2	77	48	17	15	**159**	11	0	0	11	**170**
(k)JSW Torangallu	0	82	22	82	22	**208**	18	758	0	776	**984**
(19)Kerala											
(a)Kerala SEB Ltd.	19	3280	8700	11229	4902	**28130**	344	0	0	344	**28474**
(b)Thrissur Municipality	0	0	42	0	43	**85**	0	31	52	83	**168**
(c)Kanan Devan Hills PCL	3	2	7	52	2	**66**	0	0	0	0	**66**
(d)Technopark	2	2	16	115	6	**141**	5	0	0	5	**146**
(e)Rubberpark	1	5	3	8	1	**18**	0	0	0	0	**18**
(f)Infopark	0	1	3	0	1	**5**	0	0	0	0	**5**
(g)Cochin Port Trust	0	8	7	20	3	**38**	3	2	0	5	**43**
(20)Tamil Nadu											
(a)TANTRANSCO+ TANGEDCO	52	8109	4622	56417	12439	**81639**	0	0	0	0	**81639**
(b)ITPCL	2	20	40	21	50	**133**	0	1	0	1	**134**
(c)Taqa Neyveli	8	71	39	0	11	**129**	0	0	0	0	**129**
(d)PPN	12	13	15	0	2	**42**	0	8	0	8	**50**

(21)PUDUCHERRY	6	30	13	49	16	**114**	36	44	0	80	**194**
(22)Lakshadweep	0	14	154	1174	332	**1674**	0	0	0	0	**1674**
EASTERN REGION											
(23)Bihar											
(a)South BPCL	11	622	734	2349	694	**4410**	0	5926	0	5926	**10336**
(b)North BPCL	8	430	710	1805	1056	**4009**	0	6363	0	6363	**10372**
(c)Bihar State PGCL	1	16	0	0	20	**37**	0	0	0	0	**37**
(d)Bihar STCL	4	26	13	0	140	**183**	0	39	0	39	**222**
(e)Bihar SPTCL	17	486	202	1138	234	**2077**	0	0	0	0	**2077**
(f)Bihar Renewable Energy Development Agency	3	7	0	18	6	**34**	76	10	1	87	**121**
(24)Jharkhand											
(a)Jharkhand UUNL.	5	17	2	42	52	**118**	0	62	0	62	**180**
(b)Jharkhand BVNL.	17	416	0	2140	559	**3132**	0	6819	0	6819	**9951**
(c)JUSNL	15	183	38	480	299	**1015**	5	170	372	547	**1562**
(d)Tata Jojobera	11	54	20	0	11	**96**	14	526	0	540	**636**
(e)JUSCO, TSL Jamshedpur	4	44	49	58	0	**155**	0	49	67	116	**271**
(f)JUSCO, Saraikela Kharsawan	2	44	16	30	19	**111**	0	98	0	98	**209**
(g)Tenughat	2	156	40	318	142	**658**	0	66	0	66	**724**
(h)Adhunik	67	265	22	23	32	**409**	0	0	0	0	**409**
(i)Maithon Power Ltd.	47	120	0	0	49	**216**	0	0	0	0	**216**
(25)Odisha											
(a)OPTCL	21	959	98	1122	391	**2591**	0	0	0	0	**2591**
(b)OPGC	15	245	86	28	53	**427**	28	0	0	28	**455**
(c)OHPCL	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(d)TPNODL	21	730	159	1240	841	**2991**	32	0	0	32	**3023**
(e)TPSODL	1613	0	0	1401	0	**3014**	0	9714	0	9714	**12728**
(f)TPCODL	21	158	1094	2723	1036	**5032**	126	15623	0	15749	**20781**
(g)TPWODL	26	946	563	1243	596	**3374**	0	0	0	0	**3374**
(h)GMR Kamalanga	1	166	235	893	76	**1371**	0	1177	0	1177	**2548**
(26)West Bengal											
(a)West Bengal SEDCL	26	1615	4030	1629	5102	**12402**	0	498	1589	2087	**14489**
(b)WBSETCL	22	439	761	1092	473	**2787**	63	15	4	82	**2869**
(c)WBPDCL	28	1591	271	1011	605	**3506**	0	0	0	0	**3506**
(d)Hiranmaye Energy Ltd	8	117	0	10	37	**172**	0	472	0	472	**644**
(e)CESC	59	560	1111	2410	1947	**6087**	34	0	2	36	**6123**
(f)IPCL (Dishergarh)	12	69	12	0	143	**236**	36	34	0	70	**306**
(g)Haldia Energy Ltd.	2	93	36	0	8	**139**	0	0	0	0	**139**
(h)The Durgapur Projects Ltd.	3	164	157	1234	105	**1663**	0	0	1564	1564	**3227**
(27)Sikkim											
(a)Elec Dept Sikkim	15	85	0	0	3616	**3716**	0	951	115	1066	**4782**
(b)Gati Infra	2	5	12	57	0	**76**	0	0	0	0	**76**
(c)Sneha Kinetic Power Projects Pvt. Ltd. (Dikchu HEP)	2	4	24	52	0	**82**	5	0	10	15	**97**
(d)DEPL	15	7	8	18	21	**69**	3	24	0	27	**96**
(e)SEPL	14	9	8	19	13	**63**	3	51	0	54	**117**
(28)Andaman & Nicobar	**0**	**37**	**130**	**1427**	**311**	**1905**	**53**	**0**	**0**	**53**	**1958**
NORTH EASTERN REGION											
(29)Arunachal Pradesh	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(30)Assam											
(a)APGCL	9	313	0	192	172	**686**	0	142	121	263	**949**
(b)APDCL	13	918	343	4287	2452	**8013**	0	4859	4328	9187	**17200**
(c)AEGCL	7	709	439	0	259	**1414**	0	440	260	700	**2114**
(31)Meghalaya											
(a)MePDCL											
(b)MePGCL	12	346	295	1210	693	**2556**	0	0	0	0	**2556**
(c)MePTCL											
(32)Mizoram	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(33)Manipur											
(a) Manipur SPCL	1	57	179	785	326	**1348**	0	0	0	0	**1348**
(b) Manipur SPDCL	NA	NA	NA	NA	NA	**NA**	NA	NA	NA	NA	**NA**
(34)Nagaland	0	0	0	0	0	**0**	0	0	0	0	**0**
(35)Tripura	505	0	68	1466	169	**2208**	0	152	0	152	**2360**
Total	**8756**	**83911**	**85623**	**352869**	**150091**	**681250**	**12368**	**128381**	**39385**	**180134**	**861384**

N.A:- Information not available.

Table 7.5 (A)
Manpower Engaged in Central Power Corporations/ Undertakings
2023-24

Name of the Power Corporation	Managerial and higher executive	Technical & Scientific Officers	Technical Supervisory Staff	Technicians & Operating Staff	Non-Technical	Total (Regular) (2to6)
1	2	3	4	5	6	7
NTPC Group	389	11423	NA	NA	7931	**19743**
NHPC	237	2247	631	554	1260	**4929**
NPCIL	437	3138	1940	3365	1696	**10576**
PGCIL	420	3286	1763	1321	1299	**8089**
NHDC	15	202	20	15	235	**487**
NLC	239	424	72	874	207	**1816**
NTPL	52	77	5	26	23	**183**
NEEPCO	61	438	196	602	141	**1438**
SJVNL	12	166	115	128	63	**484**
THDC	203	459	395	489	236	**1782**
ONGC Tripura PCL	26	19	0	0	31	**76**
DVC	101	1836	1273	884	1248	**5342**
BBMB			Details not available			**5717**

Table 7.5 (A) (Contd.)
Manpower Engaged in Central Power Corporations/ Undertakings
2023-24

Name of the Power Corporation	Technical Trainees and Apprentises	Worked Charged Staff	Casual	Total Non-Regular (8+9+10)	Total Regular & Non-Regular (7+11)
	8	9	10	11	12
NTPC Group	0	0	0	0	**19743**
NHPC	0	0	0	0	**4929**
NPCIL	425	0	0	425	**11001**
PGCIL	1297	0	0	1297	**9386**
NHDC	0	0	0	0	**487**
NLC	361	2343	405	3109	**4925**
NTPL	45	1159	0	1204	**1387**
NEEPCO	0	252	0	252	**1690**
SJVNL	0	0	0	0	**484**
THDC	0	0	0	0	**1782**
ONGC Tripura PCL	0	0	0	0	**76**
DVC	450	0	860	1310	**6652**
BBMB		Details Not Available			**5717**

Table 7.6

Plant Load Factor of Thermal/ Nuclear Electricity Generating Plants State-Wise 2023-24

State/UTs	CentralSector		State Sector	Private Sector
	Thermal	Nuclear	Thermal	Thermal
NORTHERN REGION				
Chandigarh	-	-	-	-
Delhi	-	-	-	-
Haryana	62.88	-	52.27	71.16
Himachal Pradesh	-	-	-	-
UT of J&K and Ladakh	-	-	-	-
Punjab	-	-	54.73	72.10
Rajasthan	77.06	68.11	61.61	69.20
Uttar Pradesh	75.84	74.38	64.56	71.09
Uttarnanchal	-	-	-	-
WESTERN REGION				
Chhattisgarh	86.72	-	84.45	71.60
Gujarat	-	89.30	50.14	56.24
Madhya Pradesh	80.66	-	60.31	84.02
Maharashtra	69.08	65.97	66.40	58.70
Daman & Diu	-	-	-	-
D. & N. Haveli	-	-	-	-
Goa	-	-	-	-
SOUTHERN REGION				
Andhra Pradesh	66.26	-	64.29	68.01
Telangana	72.02	-	80.64	-
Karnataka	57.36	97.06	50.60	55.60
Kerala	-	-	-	-
Tamil Nadu	57.87	69.10	67.14	57.34
Puducherry	-	-	-	-
Lakshadweep	-	-	-	-
EASTERN REGION				
Bihar	74.69	-	-	-
Jharkhand	83.72	-	64.36	84.81
Odisha	85.83	-	77.20	68.06
West Bengal	74.56	-	78.52	71.80
Sikkim	-	-	-	-
A.& N. Islands	-	-	-	-
NORTH-EASTERN REGION				
Arunachal Pradesh	-	-	-	-
Assam	76.78	-	-	-
Manipur	-	-	-	-
Meghalaya	-	-	-	-
Mizoram	-	-	-	-
Nagaland	-	-	-	-
Tripura	-	-	-	-
Total (All India)	**75.09**	**74.70**	**64.70**	**67.65**

Table 7.7

Coal Consumption in Thermal Power Plants
2023-24

Quantity (in 000 Tonne)

Name of State	ACTUAL RECEIPT				Consumption
	CIL/SCCL	Other Source	Import	Total	
	QTY	QTY	QTY	QTY	Qty
1	3	4	5	6	8
Haryana	14208	0	100	14308	13693
Punjab	17293	4113	47	21453	21059
Rajasthan	26536	5556	1423	33514	33693
Uttar Pradesh	52289	0	0	52289	51135
Central Sector	50505	3137	2559	56201	54199
Sub-Total (NR)	**160831**	**12806**	**4128**	**177764**	**173781**
Chhattisgarh	50108	26930	737	77775	76526
Gujarat	15960	0	23678	39638	39170
Madhya Pradesh	30433	26117	42	56592	56071
Maharashtra	73386	1343	5424	80154	79170
Central Sector	77489	13516	2556	93560	93914
Sub-Total (WR)	**247377**	**67906**	**32436**	**347719**	**344849**
Andhra Pradesh	34695	0	7736	42431	42070
Telangana	23522	0	0	23522	23494
Karnataka	15416	2438	4615	22469	21623
Tamil Nadu	21689	0	10326	32015	31830
Central Sector	30993	4497	2775	38266	37261
Sub-Total (SR)	**126315**	**6935**	**25452**	**158703**	**156277**
Jharkhand	10360	50	0	10410	10431
Odisha	12825	10440	87	23352	22518
West Bengal	10865	20940	0	31805	31279
Central Sector	86320	21404	3466	111189	107438
Sub-Total (ER)	**120370**	**52834**	**3553**	**176757**	**171666**
Central Sector	1285	1933	159	3377	3144
Sub-Total (NER)	**1285**	**1933**	**159**	**3377**	**3144**
TOTAL ALL India	**656176**	**142414**	**65729**	**864319**	**849717**

*** DVC is included in Central Sector**

CHAPTER 8

ELECTRICITY TRANSMISSION AND DISTRIBUTION SYSTEM

Electric power transmission is the bulk movement of electrical energy from a generating site such as a power plant to an electrical substation close to the location of beneficiary of the plant /consumers. The interconnected lines which facilitate this movement are known as a transmission network. The interconnected lines which facilitate the distribution of electrical energy at lower voltages to consumers are known as distribution network.

Electric power may flow through several substations interconnecting the transmission & distribution lines at different voltage levels. A substation may include transformers to transform voltage from low to high (Step Up Transformers), high to low (Step Down Transformers) and high to low (at distribution level) (Distribution Transformers).

I. Transmission and Distribution

An extensive network of Transmission and Distribution lines has been developed over the years for evacuating power produced by different electricity 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 ±800 kV, ±500 kV HVDC & 765 kV, 400 kV, 230/220 kV, 132/110 kV and 66 kV AC lines. All these lines have been installed by Generation/ Transmission/ Distribution Utilities including Central Sector Organizations and State/UT Electricity Departments.

- The standard voltage of operation on the distribution side is 33 kV, 22 kV,11kV, 400/230 Volts besides 6.6 kV, 3.3 kV and 2.2 kV.
- **The State of Uttar Pradesh has the largest Transmission and Distribution network of 1687512.3 Ckt. Kms in the country.** Apart from Uttar Pradesh the States of Maharashtra, Rajasthan, Karnataka, Madhya Pradesh, Gujarat, Tamil Nadu, & West Bengal have more than 84 lakh Ckt. Kms. of T&D Lines.

The following table depicts the length of lines operating at various voltages as on 31.03.2024 in the country with percentage increase over previous year:

Sl. No	Voltages	Length of Lines (Ckt. kms.)		% Growth
		31.03.24	31.03.23	
A	**Transmission Lines**			
1	±800 kV HVDC	9656	9656	0.00
2	±500 kV HVDC	9432	9432	0.00
3	± 320 KV HVDC	330.34	330.00	0.10
4	**765kV**	**54888**	**52573**	**4.40**
5	400 kV	202544	197726	2.44
6	230/220 kV	209925	207776	1.03
7	132/110/90 kV	244505	236593	3.34
8	78/66 kV	79897	76669	4.21
9	**33/22/20 kV**	**569762**	**543826**	**4.77**
10	15/11 kV	5019387	4871967	3.03
11	6.6/4.4/3.3/2.2 kV	37585	36853	1.99
Total (A)		**6437913**	**6243402**	**3.12**
B	**Distribution lines**			
12	Up to 500 volts	8268403	8180237	1.08
Total (B)		**8268403**	**8180237**	**1.08**
Total (All India) (A+B)		**14706316**	**14423639**	**1.96**

II. Transformers

- **The total number of step-up transformers** installed at various electricity generating stations and sub-stations in the country as on 31st March, 2024 were 5808 having aggregate capacity of 363211 MVA.

- **The total numbers of step-down and distribution transformers** were 145011 and 16922332 with aggregate capacity of 2487920.97 MVA and 830872.2 MVA respectively.

TABLE No.8.1
State-wise Length of Transmission and Distribution Lines
31.03.2024

(Ckt. Kms.)

Name of the State/Uts	HVDC			765 KV	400 KV	230 KV (O.H.)	220 KV (O.H.)	132 KV (O.H.)	110/90 KV (O.H.)
	± 800 KV	± 500 KV	± 320 KV						
NORTHERN REGION									
Chandigarh	0	0	0	0	0	0	54	0	0
Delhi	0	0	0	0	249	0	915	0	0
Haryana	0	0	0	0	1563	0	6764	5524	0
Himachal Pradesh	0	0	0	0	221	0	1212	1822	0
UT of J&K and Ladakh	0	0	0	0	561	0	1042	2348	0
Punjab	0	0	0	0	2244	0	8064	3109	0
Rajasthan	0	1980	0	1198	8447	0	17048	19223	0
Uttar Pradesh	0	0	0	3179	8241	0	16711	28908	0
Uttarakhand	0	0	0	0	418	0	1091	1864	0
Central Sector(NR)	6083	3210	0	10844	32249	0	7414	481	0
Sub-Total (NR)	**6083**	**5190**	**0**	**15221**	**54193**	**0**	**60315**	**63280**	**0**
WESTERN REGION									
Chhattisgarh	0	0	0	1284	4060	41	4457	8080	0
Gujarat	0	0	0	1454	7667	0	21200	6943	0
Madhya Pradesh	0	0	0	1831	6101	0	14732	22118	0
Maharashtra	0	1504	0	2605	13778	0	19833	18539	3089
Daman & Diu and Dadra & Na	0	0	0	0	0	0	37	0	0
Goa	0	0	0	0	0	0	221	0	234
Central Sector(WR)	0	0	0	17565	29562	0	1683	318	0
Sub-Total (WR)	**0**	**1504**	**0**	**24739**	**61168**	**41**	**62163**	**55999**	**3323**
SOUTHERN REGION									
Andhra Pradesh	0	0	0	364	5611	0	13223	14086	0
Telangana	0	0	0	1297	7792	0	10116	12774	0
Karnataka	0	0	0	896	4712	0	13406	0	12879
Kerala	0	0	0	0	178	0	3174	0	5713
Tamil Nadu	0	0	0	733	5229	12428	0	0	20962
Puducherry	0	0	0	0	0	266	0	42	282
Lakshadweep	0	0	0	0	0	0	0	0	0
Central Sector(SR)	3530	2738	330	6794	24093	41	1001	0	0
Sub-Total (SR)	**3530**	**2738**	**330**	**10083**	**47614**	**12734**	**40920**	**26902**	**39836**
EASTERN REGION									
Bihar	0	0	0	0	1246	0	6377	13309	0
Jharkhand	0	0	0	0	1032	0	2022	4453	0
Odisha	0	0	0	305	2800	0	12878	11996	0
West Bengal	0	0	0	0	4263	0	5041	10345	0
Sikkim	0	0	0	0	522	0	77	69	0
A.& N. Islands	0	0	0	0	0	0	0	0	0
Central Sector(ER)	43	0	0	4541	22269	0	4638	4564	0
Sub-Total (ER)	43	0	0	4846	32131	0	31033	44734	0
NORTH EASTERN REGION									
Arunachal Pradesh	0	0	0	0	0	0	19	341	0
Assam	0	0	0	0	1279	0	1884	3371	0
Manipur	0	0	0	0	90	0	0	777	0
Meghalaya	0	0	0	0	47	0	157	1041	349
Mizoram	0	0	0	0	0	0	0	870	0
Nagaland	0	0	0	0	508	0	0	405	0
Tripura	0	0	0	0	1007	0	0	616	408
Central Sector(NER)	0	0	0	0	4507	0	658	2254	0
Sub-Total (NER)	0	0	0	0	7439	0	2718	9675	757
Total Central Sector	9656	5948	330	39442	109942	41	16121	7558	0
Total (All India)	9656	9432	330	54888	202544	12775	197149	200589	43916

TABLE No.8.1(Contd.)
State-wise Length of Transmission and Distribution Lines
31.03.2024

(Ckt. Kms.)

Name of the State/Uts	78/66 KV (O.H.)	33KV		22/20KV		15/11KV	
		(O.H.)	(U.G.)	(O.H.)	(U.G.)	(O.H.)	(U.G.)
NORTHERN REGION							
Chandigarh	134	22	1	0	0	548	353
Delhi	1540	844	1001	0	0	8531	10007
Haryana	3624	8430	0	0	0	150792	0
Himachal Pradesh	805	3858	0	8380	0	25664	0
UT of J&K and Ladakh	677	5455	0	40	0	46003	0
Punjab	11707	71	0	0	0	261504	0
Rajasthan	303	60038	266	0	0	628554	57816
Uttar Pradesh	3139	54490	866	0	0	370739	1023
Uttarakhand	208	6098	0	0	0	48329	0
Central Sector(NR)	99	119	2	107	2	46	4
Sub-Total (NR)	**22236**	**139424**	**2136**	**8527**	**2**	**1540710**	**69203**
WESTERN REGION							
Chhattisgarh	0	25257	170	0	0	135527	286
Gujarat	40014	669	50	913	815	472424	25329
Madhya Pradesh	0	62905	0	0	0	491303	0
Maharashtra	313	50297	2728	32517	5489	354608	10479
Daman & Diu and Dadra & Nag	279	0	0	0	0	616	733
Goa	0	1528	726	0	0	3892	1896
Central Sector(WR)	0	0	32	0	0	13	0
Sub-Total (WR)	**40605**	**140655**	**3706**	**33429**	**6304**	**1458383**	**38723**
SOUTHERN REGION							
Andhra Pradesh	169	30485	0	0	0	282989	0
Telangana	0	28079	1329	0	0	222435	1030
Karnataka	12970	15158	132	0	0	432701	14650
Kerala	1542	2386	0	153	0	68823	32
Tamil Nadu	83	8265	1441	51059	365	135511	5665
Puducherry	0	19	0	1814	0	464	0
Lakshadweep	0	0	0	0	0	114	0
Central Sector(SR)	0	0	0	0	0	0	0
Sub-Total (SR)	**14765**	**84391**	**2902**	**53026**	**365**	**1143038**	**21376**
EASTERN REGION							
Bihar	0	18891	0	0	0	142041	0
Jharkhand	0	15235	290	0	0	75892	356
Odisha	0	17232	0	0	0	179386	0
West Bengal	333	17529	2850	50	0	175437	9660
Sikkim	405	0	0	0	0	3517	0
A.& N. Islands	0	590	0	0	0	895	0
Central Sector(ER)	37	1530	0	0	0	30	7
Sub-Total (ER)	775	71008	3140	50	0	577198	10024
NORTH EASTERN REGION							
Arunachal Pradesh	0	4478	0	0	0	19917	0
Assam	9	8501	1	0	0	86376	0
Manipur	0	1733	0	0	0	7797	88
Meghalaya	0	2070	0	0	0	16767	0
Mizoram	111	1509	0	0	0	5641	0
Nagaland	1396	1494	0	0	0	4399	0
Tripura	0	911	0	0	0	19747	0
Central Sector(NER)	0	0	0	0	0	0	0
Sub-Total (NER)	1516	20696	1	0	0	160644	88
Total Central Sector	164	1647	34	71	4	65	23
Total (All India)	79897	456174	11885	95033	6671	4879973	139414

TABLE No.8.1 (Contd.)
State-wise Length of Transmission and Distribution Lines
31.03.2024

Ckt. Kms.

Name of the State/Uts	6.6/4.4KV		3.3/2.2KV		Distribution lines upto 500 volts	Total
	(O.H.)	(U.G.)	(O.H.)	(U.G.)		
NORTHERN REGION						
Chandigarh	0	0	0	0	1687	2798
Delhi	0	0	0	0	35564	58651
Haryana	0	0	0	0	129826	306522
Himachal Pradesh	0	0	62	0	70931	112957
UT of J&K and Ladakh	1278	0	0	0	113127	170530
Punjab	0	0	0	0	156323	443023
Rajasthan	0	0	0	0	571970	1366844
Uttar Pradesh	0	0	0	0	1200216	1687512
Uttarakhand	0	0	0	0	74823	132831
Central Sector(NR)	0	1	6	3	72	60743
Sub-Total (NR)	**1278**	**1**	**69**	**3**	**2354538**	**4342410**
WESTERN REGION						
Chhattisgarh	8	0	0	0	233274	412444
Gujarat	0	0	0	0	398386	975863
Madhya Pradesh	18	5	0	0	512994	1112007
Maharashtra	57	0	0	0	747673	1263508
D. & N. Haveli	0	0	0	0	2506	4171
Goa	0	0	0	0	16065	24562
Central Sector(WR)	12	4	0	0	0	49189
Sub-Total (WR)	**95**	**9**	**0**	**0**	**1910897**	**3841743**
SOUTHERN REGION						
Andhra Pradesh	22669	14	0	0	343883	713491
Telangana	12355	0	0	0	443209	740415
Karnataka	0	0	0	0	636424	1143927
Kerala	0	0	0	0	310767	392769
Tamil Nadu	0	19	0	0	653089	894848
Puducherry	0	0	0	0	4435	7322
Lakshadweep	0	0	0	0	412	526
Central Sector(SR)	0	0	0	0	0	38527
Sub-Total (SR)	**35024**	**33**	**0**	**0**	**2392219**	**3931826**
EASTERN REGION						
Bihar	0	0	0	0	352421	534285
Jharkhand	926	0	112	0	234744	335062
Odisha	0	0	0	0	231061	455658
West Bengal	0	0	34	1	385922	611465
Sikkim	0	0	0	0	5470	10059
A.& N. Islands	0	0	0	0	3817	5302
Central Sector(ER)	0	0	0	0	0	37657
Sub-Total (ER)	926	0	147	1	1213435	1989488
NORTH EASTERN REGION						
Arunachal Pradesh	0	0	0	0	14663	39418
Assam	0	0	0	0	281372	382794
Manipur	0	0	0	0	19406	29891
Meghalaya	0	0	0	0	36563	56994
Mizoram	0	0	0	0	3452	11583
Nagaland	0	0	0	0	7775	15977
Tripura	0	0	0	0	34084	56772
Central Sector(NER)	0	0	0	0	0	7420
Sub-Total (NER)	0	0	0	0	397315	600849
Total Central Sector	12	5	0	0	55	191118
Total (All India)	37323	43	215	4	8268403	14706316

Table 8.2
Number of Transformers and their Aggregate Capacity State-wise
UTILITIES
31.03.2024

Name of the State/U.Ts.	STEP UP		STEP DOWN	
	Nos.	Capacity(KVA)	Nos.	Capacity(KVA)
NORTHERN REGION				
Chandigarh	0	0	55	1128500
Delhi	18	2210200	933	37988000
Haryana	13	4670000	2779	77823800
Himachal Pradesh	143	4284868	917	7814410
UT of J&K and Ladakh	63	1471252	48750	16454824
Punjab	113	6053257	2214	70266097
Rajasthan	283	13479431	11944	141891950
Uttar Pradesh	110	19018500	8459	303332500.5
Uttarakhand	67	2931380	907	15844792
Central Sector(NR)	436	35752310	815	213180908
Sub-Total (NR)	**1246**	**89871198**	**77773**	**885725781.5**
WESTERN REGION				
Chhattisgarh	235	15933500	2979	39879410
Gujarat	469	31457102	6710	190180390
Madhya Pradesh	514	18398810.36	8753	124538980
Maharashtra	606	28866040	9089	195631000
Daman & Diu and Dadra & Na	0	0	94	3369000
Goa	2	106000	168	3145600
Central Sector(WR)	223	31850800	521	162590051
Sub-Total (WR)	**2049**	**126612252.4**	**28314**	**719334431**
SOUTHERN REGION				
New Andhra	307	18848444.8	6546	100736160
Telangana	105	9758207.5	6894	120861600
Karnataka	465	17625030	4132	97324700
Kerala	140	3038501	1390	26777094
Tamil Nadu	341	12789962	4753	111625430
Puducherry	2	24000	54	1484000
Lakshadweep	27	25250	110	0
Central Sector(SR)	470	29303150	520	101400450
Sub-Total (SR)	**1857**	**91412545.3**	**24399**	**560209434**
EASTERN REGION				
Bihar	14	71000	3493	53285300
Jharkhand	14	4855600	1684	20829610
Odisha	143	5496200	3170	40355916
West Bengal	80	9629100	3144	70787200
Sikkim	11	567900	52	414500
A.& N. Islands	8	76400	10	50900
Central Sector(ER)	161	27123850	709	99007150
Sub-Total (ER)	**431**	**47820050**	**12262**	**284730576**
NORTH EASTERN REGION				
Arunachal Pradesh	39	20031	185	609465
Assam	24	669000	1192	15103025
Manipur	4	50000	252	2124300
Meghalaya	26	454500	169	4725080
Mizoram	20	63239	120	618400
Nagaland	9	37530	12	390500
Tripura	16	927640	211	2197280
Central Sector(NER)	87	5272970	122	12152700
Sub-Total (NER)	225	7494910	2263	37920750
Total Central Sector	1377	129303080	2687	588331259
Total (All India)	5808	363210955.7	145011	2487920973

Table 8.2(Contd.)
Number of Transformers and their Aggregate Capacity State-wise
UTILITIES
31.03.2024

Name of the State/U.Ts.	DISTRIBUTION	
	Nos.	Capacity(KVA)
NORTHERN REGION		
Chandigarh	2393	783390
Delhi	85283	17257582
Haryana	686791	36028844
Himachal Pradesh	37543	3791044
UT of J&K and Ladakh	113681	13602594
Punjab	1225814	41884738
Rajasthan	2449089	61832269
Uttar Pradesh	2725789	113792999
Uttarakhand	91779	5528305
Central Sector(NR)	1108	1140518
Sub-Total (NR)	**7419270**	**295642283**
WESTERN REGION		
Chhattisgarh	233151	14381027
Gujarat	1934316	70297230
Madhya Pradesh	1015930	54441362
Maharashtra	950227	88640149
Daman & Diu and Dadra & Nagar H	974	280495
Goa	7858	1520086
Central Sector(WR)	600	936131
Sub-Total (WR)	**4143056**	**230496480**
SOUTHERN REGION		
New Andhra	1394547	45477804
Telangana	891609	39937779
Karnataka	1217948	64781881
Kerala	92069	12158827
Tamil Nadu	415903	52012861
Puducherry	3403	812072
Lakshadweep	110	17900
Central Sector(SR)	707	846465
Sub-Total (SR)	**4016296**	**216045589**
EASTERN REGION		
Bihar	340446	23498979
Jharkhand	151463	12433549
Odisha	306868	16319518
West Bengal	363307	21674322
Sikkim	3373	421859
A.& N. Islands	1082	203148
Central Sector(ER)	1139	1654870
Sub-Total (ER)	**1167678**	**76206245**
NORTH EASTERN REGION		
Arunachal Pradesh	8892	448648
Assam	114527	7815353
Manipur	9576	903000
Meghalaya	16143	1030593
Mizoram	2705	326167
Nagaland	4570	422999
Tripura	19548	1451009
Central Sector(NER)	71	83830
Sub-Total (NER)	176032	12481599
Total Central Sector	3625	4661814
Total (All India)	16922332	830872196

Chapter 9

Electricity Utilization

I. Electrical Energy Consumption

- Electricity consumption by various categories of consumers served by utilities during the year 2023-24 was 1350091.99 GWh registering an increase of 6.80% over previous year.

- During the year 2023-24, the major portion of electricity viz. 1240415.12 GWh representing 91.88% of the total energy consumption was distributed by the Public Sector and remaining 8.12% was distributed by the private sector (including Cooperatives Societies).

- Out of 91.88% of energy distributed by the Public Sector, the Municipalities distributed 0.46% and the Electricity Departments of the States and Union Territories and State Govt. distribution companies distributed balance 91.42%.

- The five major private licensees viz. TATA Electric Companies, Calcutta Electric Supply Corporation (CESC), Torrent Power Ltd., Adani Electricity Mumbai Limited and BSES Ltd. distributed 3.45%, 0.8%, 0.92%, 0.73% and 1.51% adding up 7.41% only and the balance of 0.71% of total energy was distributed by Rural Co-operative Societies and other private licensees to its consumers respectively.

- The details of energy sold by various agencies during 2023-24 are tabulated below: -

Sl. No	Agency	Electrical Energy Sold to Ultimate Consumers		
		Quantum (GWh)	% of total Consumption	% increase over 2022-23
1.	Elect. Deptts. of State & UTs/State Govt. Distribution Companies	1234211.87	91.42	7.68
2.	Municipalities	6203.25	0.46	6.41
3.	Private Licensees (including Coop. Societies)	109676.87	8.12	-2.12
	Total	**1350091.99**	**100.00**	**6.80**

- Data prior to FY 2021-22 includes demand of 1MW and above regarding energy consumed by various classes of consumers.

- The Industrial category of consumers, as usual consumed highest energy i.e 33.34% of total energy sold by Utilities as compared to 33.04% during 2022-23. The energy sales to Industrial consumers registered an increase of 7.77% over the previous year.

- Domestic consumers, the second largest category amongst the consumers consumed 27.34% of total energy sales as compared to 27.94% during the previous year. The consumption of energy under this Sector increased by 4.5% over the previous year.

- Agricultural consumers, the third largest category amongst the consumers consumed 20.40% of total energy sales as compared to 19.29% during the previous year. The consumption of energy under this Sector increased by 12.97% over the previous year.

- The electricity consumption in the Commercial category during the year was 128623.20 GWh registering a growth of 9.72% while the electricity consumption in the Public Lighting category was 9350.78 GWh.

- There is overall increase of 6.8% in total energy consumption over the previous year.

II Electricity Consumption Pattern (Utilities & Non-Utilities)

- Over the past few years, spurt of industrial growth has been witnessed in shaping the national economy. Electricity has been playing a pivotal role in the development of industrialization of the country.

- The total electricity consumed including utilities and non-utilities during the year 2023-24 was 1540586.99 GWh as compared to 1440310.82 GWh during the year 2022-23 registering growth of 6.96% over the previous year.

- The share of total Domestic consumption was 23.96% during the year 2023-24 as compared to 24.52% during the year 2022-23 and registered a growth of 4.5% over the previous year.

- The share of Traction consumption was 2.20% during the year 2023-24 as compared to 2.08% during the year 2022-23 and registered a growth of 12.96% over the previous year.

- The share of Industrial consumption was 41.58% during the year 2023-24 as compared to 41.23% during the year 2022-23 and registered a growth of 7.87% over the previous year.

III. Per Capita Electricity Consumption

The per capita consumption of electricity on All India basis works out to 1400 kWh for the year 2023-24 against 1331 kWh in the year 2022-23. Per Capita Electricity Consumption is worked out as the total gross electrical energy consumed divided by Mid-Year Population during the year. The details are shown in **Table 9.9**.

IV. Electrical Accidents

To the extent of information made available for the year 2023-24, the total number of electrical accidents reported was 13095 which comprised 5594 human fatal accidents, 2267 human non-fatal accidents, 5230 animal fatal accidents and 4 animal non-fatal accidents. The details of electrical accidents are displayed in **Table 9.10.**

Table 9.1
All India Electrical Energy Sales Category-wise
(Utilities)
2023-24

Category	Energy Sold During 2023-24 (GWh)	% of Total Energy Sold in 2023-24	Energy Sold During 2022-23 (GWh)	% of Total Energy Sold in 2022-23	% Increase in Sale over Previous Year 2022-23
Domestic	369059.50	27.34	353156.08	27.94	4.50
Commercial	128623.20	9.53	117231.27	9.27	9.72
Industrial Power	450130.91	33.34	417687.16	33.04	7.77
Public Lighting	9350.78	0.69	8517.13	0.67	9.79
Railway/ Tramways	33917.67	2.51	30027.55	2.38	12.96
Agriculture	275484.96	20.40	243852.25	19.29	12.97
Public Water Works &Sewage Pumping	32136.27	2.38	30965.70	2.45	3.78
Miscellaneous	51388.71	3.81	62665.67	4.96	-18.00
Total	1350091.99	100.00	1264102.81	100.00	6.80

Table 9.1(A)
All India Electrical Energy Sales Category-wise
(Utilities & Non-utilities)
2023-24

Category	Energy Sold During 2023-24 (GWh)	% of Total Energy Sold in 2023-24	Energy Sold During 2022-23 (GWh)	% of Total Energy Sold in 2022-23	% Increase in Sale over Previous Year 2022-23
Domestic	369059.50	23.96	353156.08	24.52	4.50
Commercial	128623.20	8.35	117231.27	8.14	9.72
Industrial Power	640625.91	41.58	593895.17	41.23	7.87
Public Lighting	9350.78	0.61	8517.13	0.59	9.79
Railways/ Tramways	33917.67	2.20	30027.55	2.08	12.96
Agriculture	275484.96	17.88	243852.25	16.93	12.97
Public Water Works &Sewage Pumping	32136.27	2.09	30965.70	2.15	3.78
Miscellaneous	51388.71	3.34	62665.67	4.35	-18.00
Total	1540586.99	100.00	1440310.82	100.00	6.96

Table 9.2
All India Electrical Energy Sales To Ultimate Consumers
Ownership-wise/state-wise
(Utilities)
2023-24

(GWh)

State / UTs	Municipalities	Govt. Deptts./ Undertakings/ Corporations	Private Sector	Total
Chandigarh	0.00	1588.80	0.00	1588.80
Delhi	1299.75	351.07	30649.35	32300.17
Haryana	0.00	55733.68	0.00	55733.68
Himachal Pradesh	0.00	11351.30	2.54	11353.84
UT of J&K and Ladakh	0.00	10609.72	0.00	10609.72
Punjab	0.00	59711.54	0.00	59711.54
Rajasthan	0.00	83786.83	1.88	83788.71
Uttar Pradesh	0.00	117986.16	3136.00	121122.16
Uttarakhand	0.00	13873.26	1.45	13874.71
Sub-Total (NR)	**1299.75**	**354992.34**	**33791.22**	**390083.32**
Chhattisgarh	0.00	33060.34	435.33	33495.67
Gujarat	0.00	115146.04	13670.05	128816.09
Madhya Pradesh	0.00	74464.49	103.26	74567.75
Maharashtra	4737.83	145235.58	17373.73	167347.14
DNH & DD	0.00	10198.92	0.00	10198.92
Goa	0.00	4802.06	0.00	4802.06
Sub-Total (WR)	**4737.83**	**382907.43**	**31582.37**	**419227.62**
Andhra Pradesh	0.00	68123.16	503.29	68626.45
Telangana	0.00	74335.21	804.88	75140.09
Karnataka	0.00	78527.87	436.18	78964.05
Kerala	165.66	27135.74	279.29	27580.69
Tamil Nadu	0.00	111646.37	0.28	111646.65
Puducherry	0.00	3104.11	0.00	3104.11
Lakshadweep	0.00	54.48	0.00	54.48
Sub-Total (SR)	**165.66**	**362926.94**	**2023.92**	**365116.52**
Bihar	0.00	39278.00	0.00	39278.00
Jharkhand	0.00	22268.28	4065.03	26333.32
Odisha	0.00	2364.42	26591.85	28956.27
West Bengal	0.00	52787.06	11622.48	64409.53
Sikkim	0.00	482.43	0.00	482.43
A. & N. Islands	0.00	299.54	0.00	299.54
Sub-Total (ER)	**0.00**	**117479.73**	**42279.36**	**159759.09**
Arunachal Pradesh	0.00	673.78	0.00	673.78
Assam	0.00	10126.05	0.00	10126.05
Manipur	0.00	849.64	0.00	849.64
Meghalaya	0.00	1690.88	0.00	1690.88
Mizoram	0.00	503.40	0.00	503.40
Nagaland	0.00	822.70	0.00	822.70
Tripura	0.00	1239.00	0.00	1239.00
Sub-Total (NER)	**0.00**	**15905.43**	**0.00**	**15905.43**
Total (All India)	**6203.25**	**1234211.87**	**109676.87**	**1350091.99**

Table 9.3
Electrical Energy Sales To Ultimate Consumers Category-wise/State-wise
Utilities
2023-24

(GWh)

State / UTs	Domestic	Commercial	Industrial Power		Public Lighting
			(Low & Med. Voltage)	(High Voltage)	
Chandigarh	749.77	495.84	111.52	109.74	15.21
Delhi	18009.65	8404.40	2312.41	599.08	313.73
Haryana	15796.55	2791.67	1130.91	21882.68	165.40
Himachal Pradesh	2724.49	737.67	211.70	6411.73	12.97
UT of J&K and Ladakh	4762.52	1631.65	474.84	1260.83	122.31
Punjab	17826.49	4599.49	1044.30	21245.81	156.37
Rajasthan	15956.70	5578.39	3318.32	18611.42	335.83
Uttar Pradesh	51745.40	9916.70	5318.40	14744.87	1580.30
Uttarakhand	3730.33	2069.85	365.81	6589.37	74.35
Sub-Total (NR)	131301.90	36225.67	14288.22	91455.52	2776.47
Chhattisgarh	6762.43	2029.90	747.87	12660.01	135.10
Gujarat	18174.88	7655.53	14996.76	62061.42	202.96
Madhya Pradesh	18723.21	5023.78	1563.92	14442.59	467.40
Maharashtra	34945.05	15639.77	14125.08	48649.24	1171.79
DNH & DD	332.41	113.89	554.65	9160.07	5.75
Goa	1495.25	798.09	94.00	2316.66	13.32
Sub-Total (WR)	80433.23	31260.95	32082.28	149289.98	1996.32
Andhra Pradesh	17454.73	5525.55	1356.49	20440.93	274.42
Telangana	15032.79	8323.11	1318.40	16701.37	931.02
Karnataka	16673.88	8660.37	6322.48	6856.36	1285.83
Kerala	13895.43	7107.74	1339.57	3920.28	376.72
Tamil Nadu	32622.61	12501.02	9473.31	32544.09	0.00
Puducherry	858.79	221.81	132.28	1763.41	18.22
Lakshadweep	39.80	8.12	0.66	0.00	0.78
Sub-Total (SR)	96578.01	42347.72	19943.19	82226.44	2886.99
Bihar	16667.93	3457.82	943.91	3602.88	474.86
Jharkhand $	6024.71	1229.64	11041.62	5515.91	100.19
Odisha	8245.22	3496.26	262.51	12603.54	210.63
West Bengal $	21756.83	8305.39	9850.01	14477.21	843.28
Sikkim	122.92	48.37	1.51	271.39	0.30
A & N Islands	168.19	60.34	0.00	11.02	4.86
Sub-Total (ER)	52985.80	16597.82	22099.56	36481.95	1634.11
Arunachal Pradesh	243.10	98.29	2.59	280.98	0.00
Assam	4855.16	1597.01	121.71	1184.50	21.12
Manipur	521.97	134.72	25.93	19.10	16.98
Meghalaya	600.71	139.35	7.02	538.12	1.27
Mizoram	315.37	52.99	2.49	11.20	2.53
Nagaland	567.07	89.29	19.36	0.21	0.00
Tripura	657.18	79.38	24.27	26.29	14.98
Sub-Total (NER)	7760.56	2191.03	203.38	2060.39	56.89
Total (All India)	369059.50	128623.20	88616.63	361514.28	9350.78

Note:- $ -Includes DVC's sales to ultimate consumers in Jharkhand & West Bengal area

Table 9.3 (Contd.)
Electrical Energy Sales To Ultimate Consumers Category-wise/State-wise
Utilities
2023-24

(GWh)

State / UTs	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total Energy Sold
Chandigarh	2.76	1.26	16.10	86.60	1588.80
Delhi	259.07	38.99	711.56	1651.27	32300.17
Haryana	717.06	9894.53	1346.21	2008.67	55733.68
Himachal Pradesh	2.20	79.40	738.93	434.76	11353.84
UT of J&K and Ladakh	91.31	416.07	684.04	1166.16	10609.72
Punjab	763.60	12797.35	0.00	1278.13	59711.54
Rajasthan	951.47	33671.17	2825.80	2539.61	83788.71
Uttar Pradesh	4718.29	20689.50	1907.40	10501.30	121122.16
Uttarakhand	79.89	426.66	537.92	0.52	13874.71
Sub-Total (NR)	7585.65	78014.91	8767.95	19667.03	390083.32
Chhattisgarh	2732.81	7540.57	886.98	0.00	33495.67
Gujarat	1222.08	21439.36	2577.43	485.69	128816.09
Madhya Pradesh	2959.22	28617.11	2391.49	379.01	74567.75
Maharashtra	3748.70	40925.77	3355.42	4786.32	167347.14
DNH & DD	0.00	8.23	5.07	18.85	10198.92
Goa	0.00	41.63	0.00	43.11	4802.06
Sub-Total (WR)	10662.81	98572.68	9216.39	5712.98	419227.62
Andhra Pradesh	2572.09	15541.18	1165.60	4295.47	68626.45
Telangana	1219.45	26811.50	1210.98	3591.47	75140.09
Karnataka	805.90	31911.94	5049.96	1397.34	78964.05
Kerala	435.27	459.26	0.18	46.24	27580.69
Tamil Nadu	1473.83	15959.28	3301.07	3771.44	111646.65
Puducherry	0.00	59.24	45.94	4.42	3104.11
Lakshadweep	0.00	0.00	0.00	5.12	54.48
Sub-Total (SR)	6506.54	90742.40	10773.73	13111.50	365116.52
Bihar	1618.72	5673.03	990.38	5848.47	39278.00
Jharkhand $	1714.72	100.98	0.00	605.54	26333.32
Odisha	2363.60	694.52	486.68	593.31	28956.27
West Bengal $	3260.52	1547.79	1334.67	3033.83	64409.53
Sikkim	0.00	0.00	0.00	37.94	482.43
A & N Islands	0.00	1.72	0.00	53.41	299.54
Sub-Total (ER)	8957.56	8018.05	2811.73	10172.50	159759.09
Arunachal Pradesh	0.37	0.08	9.83	38.54	673.78
Assam	200.21	69.62	177.45	1899.26	10126.05
Manipur	0.12	5.90	82.91	42.01	849.64
Meghalaya	0.10	0.20	48.22	355.88	1690.88
Mizoram	0.50	1.08	97.87	19.36	503.40
Nagaland	0.42	0.02	0.23	146.10	822.70
Tripura	3.38	60.02	149.96	223.54	1239.00
Sub-Total (NER)	205.11	136.91	566.47	2724.70	15905.43
Total (All India)	33917.67	275484.96	32136.27	51388.71	1350091.99

Table 9.3(A)
Electrical Energy Sales To Ultimate Consumers Category-wise/State-wise
Utilities & Non-utilities
2023-24

(GWh)

State / UTs	Domestic	Commercial	Industrial Power		Public Lighting
			(Low & Med. Voltage)	(High Voltage)	
Chandigarh	749.77	495.84	111.52	116.37	15.21
Delhi	18009.65	8404.40	2312.41	617.66	313.73
Haryana	15796.55	2791.67	1130.91	25405.13	165.40
Himachal Pradesh	2724.49	737.67	211.70	6681.14	12.97
UT of J&K and Ladakh	4762.52	1631.65	474.84	1263.74	122.31
Punjab	17826.49	4599.49	1044.30	24700.10	156.37
Rajasthan	15956.70	5578.39	3318.32	27210.74	335.83
Uttar Pradesh	51745.40	9916.70	5318.40	27158.68	1580.30
Uttarakhand	3730.33	2069.85	365.81	7535.19	74.35
Sub-Total (NR)	**131301.90**	**36225.67**	**14288.22**	**120688.76**	**2776.47**
Chhattisgarh	6762.43	2029.90	747.87	29721.47	135.10
Gujarat	18174.88	7655.53	14996.76	84534.48	202.96
Madhya Pradesh	18723.21	5023.78	1563.92	19875.16	467.40
Maharashtra	34945.05	15639.77	14125.08	63060.56	1171.79
DNH & DD	332.41	113.89	554.65	9196.94	5.75
Goa	1495.25	798.09	94.00	2491.66	13.32
Sub-Total (WR)	**80433.23**	**31260.95**	**32082.28**	**208880.27**	**1996.32**
Andhra Pradesh	17454.73	5525.55	1356.49	29490.83	274.42
Telangana	15032.79	8323.11	1318.40	20762.85	931.02
Karnataka	16673.88	8660.37	6322.48	18970.69	1285.83
Kerala	13895.43	7107.74	1339.57	5060.89	376.72
Tamil Nadu	32622.61	12501.02	9473.31	40314.49	0.00
Puducherry	858.79	221.81	132.28	1838.87	18.22
Lakshadweep	39.80	8.12	0.66	0.00	0.78
Sub-Total (SR)	**96578.01**	**42347.72**	**19943.19**	**116438.63**	**2886.99**
Bihar	16667.93	3457.82	943.91	3907.45	474.86
Jharkhand $	6024.71	1229.64	11041.62	10648.69	100.19
Odisha	8245.22	3496.26	262.51	68308.24	210.63
West Bengal $	21756.83	8305.39	9850.01	19552.02	843.28
Sikkim	122.92	48.37	1.51	279.37	0.30
A & N Islands	168.19	60.34	0.00	11.02	4.86
Sub-Total (ER)	**52985.80**	**16597.82**	**22099.56**	**102706.81**	**1634.11**
Arunachal Pradesh	243.10	98.29	2.59	280.98	0.00
Assam	4855.16	1597.01	121.71	2355.80	21.12
Manipur	521.97	134.72	25.93	19.10	16.98
Meghalaya	600.71	139.35	7.02	601.25	1.27
Mizoram	315.37	52.99	2.49	11.20	2.53
Nagaland	567.07	89.29	19.36	0.21	0.00
Tripura	657.18	79.38	24.27	26.29	14.98
Sub-Total (NER)	**7760.56**	**2191.03**	**203.38**	**3294.82**	**56.89**
Total (All India)	**369059.50**	**128623.20**	**88616.63**	**552009.29**	**9350.78**

Note:- $ -Includes DVC's sales to ultimate consumers in Jharkhand & West Bengal area

Table 9.3(A) (Contd.)
Electrical Energy Sales To Ultimate Consumers Category-wise/State-wise
Utilities & Non-utilities
2023-24

(GWh)

State / UTs	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total Energy Sold
Chandigarh	2.76	1.26	16.10	86.60	1595.43
Delhi	259.07	38.99	711.56	1651.27	32318.75
Haryana	717.06	9894.53	1346.21	2008.67	59256.14
Himachal Pradesh	2.20	79.40	738.93	434.76	11623.25
UT of J&K and Ladakh	91.31	416.07	684.04	1166.16	10612.63
Punjab	763.60	12797.35	0.00	1278.13	63165.84
Rajasthan	951.47	33671.17	2825.80	2539.61	92388.03
Uttar Pradesh	4718.29	20689.50	1907.40	10501.30	133535.97
Uttarakhand	79.89	426.66	537.92	0.52	14820.53
Sub-Total (NR)	**7585.65**	**78014.91**	**8767.95**	**19667.03**	**419316.56**
Chhattisgarh	2732.81	7540.57	886.98	0.00	50557.13
Gujarat	1222.08	21439.36	2577.43	485.69	151289.16
Madhya Pradesh	2959.22	28617.11	2391.49	379.01	80000.32
Maharashtra	3748.70	40925.77	3355.42	4786.32	181758.45
DNH & DD	0.00	8.23	5.07	18.85	10235.79
Goa	0.00	41.63	0.00	43.11	4977.06
Sub-Total (WR)	**10662.81**	**98572.68**	**9216.39**	**5712.98**	**478817.91**
Andhra Pradesh	2572.09	15541.18	1165.60	4295.47	77676.35
Telangana	1219.45	26811.50	1210.98	3591.47	79201.57
Karnataka	805.90	31911.94	5049.96	1397.34	91078.38
Kerala	435.27	459.26	0.18	46.24	28721.31
Tamil Nadu	1473.83	15959.28	3301.07	3771.44	119417.05
Puducherry	0.00	59.24	45.94	4.42	3179.57
Lakshadweep	0.00	0.00	0.00	5.12	54.48
Sub-Total (SR)	**6506.54**	**90742.40**	**10773.73**	**13111.50**	**399328.70**
Bihar	1618.72	5673.03	990.38	5848.47	39582.57
Jharkhand $	1714.72	100.98	0.00	605.54	31466.10
Odisha	2363.60	694.52	486.68	593.31	84660.97
West Bengal $	3260.52	1547.79	1334.67	3033.83	69484.35
Sikkim	0.00	0.00	0.00	37.94	490.41
A & N Islands	0.00	1.72	0.00	53.41	299.54
Sub-Total (ER)	**8957.56**	**8018.05**	**2811.73**	**10172.50**	**225983.94**
Arunachal Pradesh	0.37	0.08	9.83	38.54	673.78
Assam	200.21	69.62	177.45	1899.26	11297.34
Manipur	0.12	5.90	82.91	42.01	849.64
Meghalaya	0.10	0.20	48.22	355.88	1754.01
Mizoram	0.50	1.08	97.87	19.36	503.40
Nagaland	0.42	0.02	0.23	146.10	822.70
Tripura	3.38	60.02	149.96	223.54	1239.00
Sub-Total (NER)	**205.11**	**136.91**	**566.47**	**2724.70**	**17139.86**
Total (All India)	**33917.67**	**275484.96**	**32136.27**	**51388.71**	**1540586.99**

Table 9.4
Electrical Energy Sales By Private Licensees
Category-wise & State-wise
2023-24

(GWh)

State / UTs	Domestic	Commercial	Industrial Power		Public Lighting
			(Low & Med. Voltage)	(High Voltage)	
Delhi	17602.12	7451.66	2312.39	599.08	307.76
Himachal Pradesh	0.00	0.00	2.54	0.00	0.00
Rajasthan	0.00	0.00	0.00	1.88	0.00
Uttar Pradesh	984.00	465.00	1556.00	0.00	28.00
Uttarakhand	0.00	0.00	0.00	1.45	0.00
Sub-Total (NR)	**18586.12**	**7916.66**	**3870.93**	**602.41**	**335.76**
Chhattisgarh	0.00	0.00	0.00	435.33	0.00
Gujarat	4135.54	2212.31	2974.52	3992.71	63.93
Madhya Pradesh	0.00	0.00	0.00	103.26	0.00
Maharashtra	7079.93	4828.01	966.97	2336.67	28.35
Sub-Total (WR)	**11215.47**	**7040.32**	**3941.49**	**6867.97**	**92.28**
Andhra Pradesh	49.38	13.16	13.09	58.86	4.38
Tamil Nadu	0.00	0.00	0.00	0.28	0.00
Telangana	125.70	20.02	102.28	0.00	6.32
Karnataka	41.93	11.67	6.26	65.64	3.12
Kerala	8.09	120.97	36.93	109.57	0.70
Sub-Total (SR)	**225.10**	**165.82**	**158.56**	**234.35**	**14.52**
Jharkhand	325.39	97.58	21.02	3009.03	6.48
Odisha	8245.22	3496.26	262.51	12602.72	210.63
West Bengal	5523.18	2117.92	882.29	2061.92	173.08
Sub-Total (ER)	**14093.78**	**5711.75**	**1165.81**	**17673.68**	**390.19**
Total (All India)	**44120.48**	**20834.55**	**9136.79**	**25378.40**	**832.74**

Table 9.4 (Contd.)
Electrical Energy Sales By Private Licensees
Category-wise & State-wise
2023-24

(GWh)

State / UTs	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total Energy Sold
Delhi	0.00	38.99	711.56	1625.79	30649.35
Himachal Pradesh	0.00	0.00	0.00	0.00	2.54
Rajasthan	0.00	0.00	0.00	0.00	1.88
Uttar Pradesh	0.00	11.00	33.00	59.00	3136.00
Uttarakhand	0.00	0.00	0.00	0.00	1.45
Sub-Total (NR)	**0.00**	**49.99**	**744.56**	**1684.79**	**33791.22**
Chhattisgarh	0.00	0.00	0.00	0.00	435.33
Gujarat	16.01	5.07	212.83	57.13	13670.05
Madhya Pradesh	0.00	0.00	0.00	0.00	103.26
Maharashtra	160.10	0.00	147.46	1826.25	17373.73
Sub-Total (WR)	**176.11**	**5.07**	**360.29**	**1883.38**	**31582.37**
Andhra Pradesh	0.29	344.88	18.23	1.02	503.29
Tamil Nadu	0.00	0.00	0.00	0.00	0.28
Telangana	0.00	481.87	67.33	1.37	804.88
Karnataka	0.00	290.90	15.50	1.16	436.18
Kerala	0.00	0.01	0.18	2.83	279.29
Sub-Total (SR)	**0.29**	**1117.66**	**101.24**	**6.38**	**2023.92**
Jharkhand	0.00	0.00	0.00	605.54	4065.03
Odisha	0.00	694.52	486.68	593.31	26591.85
West Bengal	0.00	0.00	552.97	311.12	11622.48
Sub-Total (ER)	**0.00**	**694.52**	**1039.66**	**1509.97**	**42279.36**
Total (All India)	**176.40**	**1867.25**	**2245.73**	**5084.52**	**109676.87**

Table 9.5
Electrical Energy Sales To Ultimate Consumers By Electricity Departments, Central Sector, Corporations/govt. Undertakings And Municipalities Category-wise & State-wise
2023-24

(GWh)

State / UTs	Domestic	Commercial	Industrial Power		Public Lighting
			(Low & Med. Voltage)	(High Voltage)	
I. Municipalities					
Delhi-NDMC	315.53	952.74	0.02	0.00	5.98
Maharashtra-BEST	2195.16	2100.32	185.54	172.20	16.62
Kerala-Thrissur Municipality	44.08	77.52	4.32	0.00	1.17
Sub-Total	**2554.77**	**3130.58**	**189.88**	**172.20**	**23.77**
II. Govt. Deptt. / Central Sector Undertakings / Corporations					
Chandigarh	749.77	495.84	111.52	109.74	15.21
Delhi	92.00	0.00	0.00	0.00	0.00
Haryana	15796.55	2791.67	1130.91	21882.68	165.40
Himachal Pradesh	2724.49	737.67	209.16	6411.73	12.97
UT of J&K and Ladakh	4762.52	1631.65	474.84	1260.83	122.31
Punjab	17826.49	4599.49	1044.30	21245.81	156.37
Rajasthan	15956.70	5578.39	3318.32	18609.54	335.83
Uttar Pradesh	50761.40	9451.70	3762.40	14744.87	1552.30
Uttarakhand	3730.33	2069.85	365.81	6587.92	74.35
Chhattisgarh	6762.43	2029.90	747.87	12224.68	135.10
Gujarat	14039.34	5443.23	12022.24	58068.70	139.03
Madhya Pradesh	18723.21	5023.78	1563.92	14339.33	467.40
Maharashtra	25669.96	8711.44	12972.57	46140.38	1126.82
DNH & DD	332.41	113.89	554.65	9160.07	5.75
Goa	1495.25	798.09	94.00	2316.66	13.32
Andhra Pradesh	17405.35	5512.39	1343.40	20382.07	270.04
Telangana	14907.09	8303.09	1216.12	16701.37	924.70
Karnataka	16631.94	8648.70	6316.22	6790.72	1282.70
Kerala	13843.25	6909.25	1298.32	3810.71	374.85
Tamil Nadu	32622.61	12501.02	9473.31	32543.81	0.00
Puducherry	858.79	221.81	132.28	1763.41	18.22
Lakshadweep	39.80	8.12	0.66	0.00	0.78
Bihar	16667.93	3457.82	943.91	3602.88	474.86
DVC in Jharkhand	0.00	0.00	10750.48	0.00	0.00
DVC in West Bengal	0.00	0.00	7166.99	0.00	0.00
Jharkhand	5699.33	1132.06	270.12	2506.88	93.71
Odisha	0.00	0.00	0.00	0.82	0.00
West Bengal	16233.65	6187.47	1800.74	12415.28	670.21
Sikkim	122.92	48.37	1.51	271.39	0.30
A. & N. Islands	168.19	60.34	0.00	11.02	4.86
Arunachal Pradesh	243.10	98.29	2.59	280.98	0.00
Assam	4855.16	1597.01	121.71	1184.50	21.12
Manipur	521.97	134.72	25.93	19.10	16.98
Meghalaya	600.71	139.35	7.02	538.12	1.27
Mizoram	315.37	52.99	2.49	11.20	2.53
Nagaland	567.07	89.29	19.36	0.21	0.00
Tripura	657.18	79.38	24.27	26.29	14.98
Sub-Total	**322384.25**	**104658.07**	**79289.95**	**335963.68**	**8494.26**
Total (I & II)	**324939.02**	**107788.65**	**79479.83**	**336135.88**	**8518.03**

Table 9.5 (Contd.)
Electrical Energy Sales To Ultimate Consumers By Electricity Departments, Central Sector, Corporations/govt. Undertakings And Municipalities Category-wise & State-wise
2023-24

(GWh)

State / UTs	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total Energy Sold
I. Municipalities					
Delhi-NDMC	0.00	0.00	0.00	25.49	1299.75
Maharashtra-BEST	0.00	0.16	40.83	27.00	4737.83
Kerala-Thrissur Municipality	0.00	0.06	0.00	38.52	165.66
Sub-Total	**0.00**	**0.22**	**40.83**	**91.01**	**6203.25**
II. Govt. Deptt. / Central Sector Undertakings / Corporations					
Chandigarh	2.76	1.26	16.10	86.60	1588.80
Delhi	259.07	0.00	0.00	0.00	351.07
Haryana	717.06	9894.53	1346.21	2008.67	55733.68
Himachal Pradesh	2.20	79.40	738.93	434.76	11351.30
UT of J&K and Ladakh	91.31	416.07	684.04	1166.16	10609.72
Punjab	763.60	12797.35	0.00	1278.13	59711.54
Rajasthan	951.47	33671.17	2825.80	2539.61	83786.83
Uttar Pradesh	4718.29	20678.50	1874.40	10442.30	117986.16
Uttarakhand	79.89	426.66	537.92	0.52	13873.26
Chhattisgarh	2732.81	7540.57	886.98	0.00	33060.34
Gujarat	1206.07	21434.29	2364.60	428.56	115146.04
Madhya Pradesh	2959.22	28617.11	2391.49	379.01	74464.49
Maharashtra	3588.60	40925.61	3167.13	2933.07	145235.58
DNH & DD	0.00	8.23	5.07	18.85	10198.92
Goa	0.00	41.63	0.00	43.11	4802.06
Andhra Pradesh	2571.80	15196.30	1147.37	4294.45	68123.16
Telangana	1219.45	26329.63	1143.66	3590.10	74335.21
Karnataka	805.90	31621.03	5034.46	1396.18	78527.87
Kerala	435.27	459.20	0.00	4.89	27135.74
Tamil Nadu	1473.83	15959.28	3301.07	3771.44	111646.37
Puducherry	0.00	59.24	45.94	4.42	3104.11
Lakshadweep	0.00	0.00	0.00	5.12	54.48
Bihar	1618.72	5673.03	990.38	5848.47	39278.00
DVC in Jharkhand	189.21	0.00	0.00	0.00	10939.69
DVC in West Bengal	126.14	0.00	0.00	0.00	7293.13
Jharkhand	1525.51	100.98	0.00	0.00	11328.59
Odisha	2363.60	0.00	0.00	0.00	2364.42
West Bengal	3134.38	1547.79	781.70	2722.71	45493.93
Sikkim	0.00	0.00	0.00	37.94	482.43
A. & N. Islands	0.00	1.72	0.00	53.41	299.54
Arunachal Pradesh	0.37	0.08	9.83	38.54	673.78
Assam	200.21	69.62	177.45	1899.26	10126.05
Manipur	0.12	5.90	82.91	42.01	849.64
Meghalaya	0.10	0.20	48.22	355.88	1690.88
Mizoram	0.50	1.08	97.87	19.36	503.40
Nagaland	0.42	0.02	0.23	146.10	822.70
Tripura	3.38	60.02	149.96	223.54	1239.00
Sub-Total	**33741.27**	**273617.49**	**29849.70**	**46213.19**	**1234211.87**
Total (I & II)	**33741.27**	**273617.71**	**29890.53**	**46304.19**	**1240415.12**

Table 9.6
Category-wise Percentage Of Utilisation Of Electrical Energy
State-wise
Utilities
2023-24

State / UTs	% age of total Energy Sold				
	Domestic	Commercial	Industrial Power		Public Lighting
			(Low & Med. Voltage)	(High Voltage)	
Chandigarh	47.19	31.21	7.02	6.91	0.96
Delhi	55.76	26.02	7.16	1.85	0.97
Haryana	28.34	5.01	2.03	39.26	0.30
Himachal Pradesh	24.00	6.50	1.86	56.47	0.11
UT of J&K and Ladakh	44.89	15.38	4.48	11.88	1.15
Punjab	29.85	7.70	1.75	35.58	0.26
Rajasthan	19.04	6.66	3.96	22.21	0.40
Uttar Pradesh	42.72	8.19	4.39	12.17	1.30
Uttarakhand	26.89	14.92	2.64	47.49	0.54
Sub-Total (NR)	**33.66**	**9.29**	**3.66**	**23.45**	**0.71**
Chhattisgarh	20.19	6.06	2.23	37.80	0.40
Gujarat	14.11	5.94	11.64	48.18	0.16
Madhya Pradesh	25.11	6.74	2.10	19.37	0.63
Maharashtra	20.88	9.35	8.44	29.07	0.70
DNH & DD	3.26	1.12	5.44	89.81	0.06
Goa	31.14	16.62	1.96	48.24	0.28
Sub-Total (WR)	**19.19**	**7.46**	**7.65**	**35.61**	**0.48**
Andhra Pradesh	25.43	8.05	1.98	29.79	0.40
Telangana	20.01	11.08	1.75	22.23	1.24
Karnataka	21.12	10.97	8.01	8.68	1.63
Kerala	50.38	25.77	4.86	14.21	1.37
Tamil Nadu	29.22	11.20	8.49	29.15	0.00
Puducherry	27.67	7.15	4.26	56.81	0.59
Lakshadweep	73.05	14.91	1.22	0.00	1.43
Sub-Total (SR)	**26.45**	**11.60**	**5.46**	**22.52**	**0.79**
Bihar	42.44	8.80	2.40	9.17	1.21
Jharkhand $	22.88	4.67	41.93	20.95	0.38
Odisha	28.47	12.07	0.91	43.53	0.73
West Bengal $	33.78	12.89	15.29	22.48	1.31
Sikkim	25.48	10.03	0.31	56.25	0.06
A & N Islands	56.15	20.14	0.00	3.68	1.62
Sub-Total (ER)	**33.17**	**10.39**	**13.83**	**22.84**	**1.02**
Arunachal Pradesh	36.08	14.59	0.38	41.70	0.00
Assam	47.95	15.77	1.20	11.70	0.21
Manipur	61.43	15.86	3.05	2.25	2.00
Meghalaya	35.53	8.24	0.42	31.82	0.08
Mizoram	62.65	10.53	0.49	2.22	0.50
Nagaland	68.93	10.85	2.35	0.03	0.00
Tripura	53.04	6.41	1.96	2.12	1.21
Sub-Total (NER)	**48.79**	**13.78**	**1.28**	**12.95**	**0.36**
Total (All India)	**27.34**	**9.53**	**6.56**	**26.78**	**0.69**

Table 9.6 (Contd.)
Category-wise Percentage Of Utilisation Of Electrical Energy
State-wise
Utilities
2023-24

State / UTs	% age of total Energy Sold				
	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total Energy Sold (GWh)
Chandigarh	0.17	0.08	1.01	5.45	1588.80
Delhi	0.80	0.12	2.20	5.11	32300.17
Haryana	1.29	17.75	2.42	3.60	55733.68
Himachal Pradesh	0.02	0.70	6.51	3.83	11353.84
UT of J&K and Ladakh	0.86	3.92	6.45	10.99	10609.72
Punjab	1.28	21.43	0.00	2.14	59711.54
Rajasthan	1.14	40.19	3.37	3.03	83788.71
Uttar Pradesh	3.90	17.08	1.57	8.67	121122.16
Uttarakhand	0.58	3.08	3.88	0.00	13874.71
Sub-Total (NR)	**1.94**	**20.00**	**2.25**	**5.04**	**390083.32**
Chhattisgarh	8.16	22.51	2.65	0.00	33495.67
Gujarat	0.95	16.64	2.00	0.38	128816.09
Madhya Pradesh	3.97	38.38	3.21	0.51	74567.75
Maharashtra	2.24	24.46	2.01	2.86	167347.14
DNH & DD	0.00	0.08	0.05	0.18	10198.92
Goa	0.00	0.87	0.00	0.90	4802.06
Sub-Total (WR)	**2.54**	**23.51**	**2.20**	**1.36**	**419227.62**
Andhra Pradesh	3.75	22.65	1.70	6.26	68626.45
Telangana	1.62	35.68	1.61	4.78	75140.09
Karnataka	1.02	40.41	6.40	1.77	78964.05
Kerala	1.58	1.67	0.00	0.17	27580.69
Tamil Nadu	1.32	14.29	2.96	3.38	111646.65
Puducherry	0.00	1.91	1.48	0.14	3104.11
Lakshadweep	0.00	0.00	0.00	9.40	54.48
Sub-Total (SR)	**1.78**	**24.85**	**2.95**	**3.59**	**365116.52**
Bihar	4.12	14.44	2.52	14.89	39278.00
Jharkhand $	6.51	0.38	0.00	2.30	26333.32
Odisha	8.16	2.40	1.68	2.05	28956.27
West Bengal $	5.06	2.40	2.07	4.71	64409.53
Sikkim	0.00	0.00	0.00	7.86	482.43
A & N Islands	0.00	0.57	0.00	17.83	299.54
Sub-Total (ER)	**5.61**	**5.02**	**1.76**	**6.37**	**159759.09**
Arunachal Pradesh	0.05	0.01	1.46	5.72	673.78
Assam	1.98	0.69	1.75	18.76	10126.05
Manipur	0.01	0.69	9.76	4.94	849.64
Meghalaya	0.01	0.01	2.85	21.05	1690.88
Mizoram	0.10	0.22	19.44	3.85	503.40
Nagaland	0.05	0.00	0.03	17.76	822.70
Tripura	0.27	4.84	12.10	18.04	1239.00
Sub-Total (NER)	**1.29**	**0.86**	**3.56**	**17.13**	**15905.43**
Total (All India)	**2.51**	**20.40**	**2.38**	**3.81**	**1350091.99**

Table 9.6(A)
Category-wise Percentage Of Utilisation Of Electrical Energy
State-wise
Utilities & Non-Utilities
2023-24

State / UTs	% age of total Energy Sold				
	Domestic	Commercial	Industrial Power		Public Lighting
			(Low & Med. Voltage)	(High Voltage)	
Chandigarh	47.00	31.08	6.99	7.29	0.95
Delhi	55.73	26.00	7.16	1.91	0.97
Haryana	26.66	4.71	1.91	42.87	0.28
Himachal Pradesh	23.44	6.35	1.82	57.48	0.11
UT of J&K and Ladakh	44.88	15.37	4.47	11.91	1.15
Punjab	28.22	7.28	1.65	39.10	0.25
Rajasthan	17.27	6.04	3.59	29.45	0.36
Uttar Pradesh	38.75	7.43	3.98	20.34	1.18
Uttarakhand	25.17	13.97	2.47	50.84	0.50
Sub-Total (NR)	**31.31**	**8.64**	**3.41**	**28.78**	**0.66**
Chhattisgarh	13.38	4.02	1.48	58.79	0.27
Gujarat	12.01	5.06	9.91	55.88	0.13
Madhya Pradesh	23.40	6.28	1.95	24.84	0.58
Maharashtra	19.23	8.60	7.77	34.69	0.64
DNH & DD	3.25	1.11	5.42	89.85	0.06
Goa	30.04	16.04	1.89	50.06	0.27
Sub-Total (WR)	**16.80**	**6.53**	**6.70**	**43.62**	**0.42**
Andhra Pradesh	22.47	7.11	1.75	37.97	0.35
Telangana	18.98	10.51	1.66	26.22	1.18
Karnataka	18.31	9.51	6.94	20.83	1.41
Kerala	48.38	24.75	4.66	17.62	1.31
Tamil Nadu	27.32	10.47	7.93	33.76	0.00
Puducherry	27.01	6.98	4.16	57.83	0.57
Lakshadweep	73.05	14.91	1.22	0.00	1.43
Sub-Total (SR)	**24.19**	**10.60**	**4.99**	**29.16**	**0.72**
Bihar	42.11	8.74	2.38	9.87	1.20
Jharkhand $	19.15	3.91	35.09	33.84	0.32
Odisha	9.74	4.13	0.31	80.68	0.25
West Bengal $	31.31	11.95	14.18	28.14	1.21
Sikkim	25.06	9.86	0.31	56.97	0.06
A & N Islands	56.15	20.14	0.00	3.68	1.62
Sub-Total (ER)	**23.45**	**7.34**	**9.78**	**45.45**	**0.72**
Arunachal Pradesh	36.08	14.59	0.38	41.70	0.00
Assam	42.98	14.14	1.08	20.85	0.19
Manipur	61.43	15.86	3.05	2.25	2.00
Meghalaya	34.25	7.94	0.40	34.28	0.07
Mizoram	62.65	10.53	0.49	2.22	0.50
Nagaland	68.93	10.85	2.35	0.03	0.00
Tripura	53.04	6.41	1.96	2.12	1.21
Sub-Total (NER)	**45.28**	**12.78**	**1.19**	**19.22**	**0.33**
Total (All India)	**23.96**	**8.35**	**5.75**	**35.83**	**0.61**

Note:- $ -Includes DVC's sales to ultimate consumers in Jharkhand & West Bengal area

Table 9.6(A) (Contd.)
Category-wise Percentage Of Utilisation Of Electrical Energy
State-wise
Utilities & Non-Utilities
2023-24

State / UTs	% age of total Energy Sold				
	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total Energy Sold (GWh)
Chandigarh	0.17	0.08	1.01	5.43	1595.43
Delhi	0.80	0.12	2.20	5.11	32318.75
Haryana	1.21	16.70	2.27	3.39	59256.14
Himachal Pradesh	0.02	0.68	6.36	3.74	11623.25
UT of J&K and Ladakh	0.86	3.92	6.45	10.99	10612.63
Punjab	1.21	20.26	0.00	2.02	63165.84
Rajasthan	1.03	36.45	3.06	2.75	92388.03
Uttar Pradesh	3.53	15.49	1.43	7.86	133535.97
Uttarakhand	0.54	2.88	3.63	0.00	14820.53
Sub-Total (NR)	**1.81**	**18.61**	**2.09**	**4.69**	**419316.56**
Chhattisgarh	5.41	14.91	1.75	0.00	50557.13
Gujarat	0.81	14.17	1.70	0.32	151289.16
Madhya Pradesh	3.70	35.77	2.99	0.47	80000.32
Maharashtra	2.06	22.52	1.85	2.63	181758.45
DNH & DD	0.00	0.08	0.05	0.18	10235.79
Goa	0.00	0.84	0.00	0.87	4977.06
Sub-Total (WR)	**2.23**	**20.59**	**1.92**	**1.19**	**478817.91**
Andhra Pradesh	3.31	20.01	1.50	5.53	77676.35
Telangana	1.54	33.85	1.53	4.53	79201.57
Karnataka	0.88	35.04	5.54	1.53	91078.38
Kerala	1.52	1.60	0.00	0.16	28721.31
Tamil Nadu	1.23	13.36	2.76	3.16	119417.05
Puducherry	0.00	1.86	1.44	0.14	3179.57
Lakshadweep	0.00	0.00	0.00	9.40	54.48
Sub-Total (SR)	**1.63**	**22.72**	**2.70**	**3.28**	**399328.70**
Bihar	4.09	14.33	2.50	14.78	39582.57
Jharkhand $	5.45	0.32	0.00	1.92	31466.10
Odisha	2.79	0.82	0.57	0.70	84660.97
West Bengal $	4.69	2.23	1.92	4.37	69484.35
Sikkim	0.00	0.00	0.00	7.74	490.41
A & N Islands	0.00	0.57	0.00	17.83	299.54
Sub-Total (ER)	**3.96**	**3.55**	**1.24**	**4.50**	**225983.94**
Arunachal Pradesh	0.05	0.01	1.46	5.72	673.78
Assam	1.77	0.62	1.57	16.81	11297.34
Manipur	0.01	0.69	9.76	4.94	849.64
Meghalaya	0.01	0.01	2.75	20.29	1754.01
Mizoram	0.10	0.22	19.44	3.85	503.40
Nagaland	0.05	0.00	0.03	17.76	822.70
Tripura	0.27	4.84	12.10	18.04	1239.00
Sub-Total (NER)	**1.20**	**0.80**	**3.30**	**15.90**	**17139.86**
Total (All India)	**2.20**	**17.88**	**2.09**	**3.34**	**1540586.99**

Table 9.7
Per Capita Ultimate Consumption Of Electricity
State-wise/Category-wise
Utilities
2023-24

(kWh)

State / UTs	Population (Million)	Domestic	Commercial	Industrial Power	
				(Low & Med. Voltage)	(High Voltage)
Chandigarh	1.24	605.63	400.52	90.08	88.65
Delhi	21.59	834.24	389.31	107.12	27.75
Haryana	30.42	519.26	91.77	37.18	719.33
Himachal Pradesh	7.49	363.75	98.49	28.26	856.04
UT of J&K and Ladakh	13.96	341.13	116.87	34.01	90.31
Punjab	30.85	577.94	149.12	33.86	688.79
Rajasthan	81.53	195.71	68.42	40.70	228.27
Uttar Pradesh	237.08	218.26	41.83	22.43	62.19
Uttarakhand	11.71	318.67	176.82	31.25	562.90
Northern Region	**435.87**	**301.24**	**83.11**	**32.78**	**209.83**
Chhattisgarh	30.38	222.59	66.82	24.62	416.72
Gujarat	72.01	252.40	106.31	208.26	861.86
Madhya Pradesh	87.18	214.76	57.63	17.94	165.66
Maharashtra	126.95	275.26	123.19	111.26	383.20
DNH & DD	1.32	252.40	86.48	421.15	6955.25
Goa	1.58	946.96	505.44	59.53	1467.17
Western Region	**319.42**	**251.81**	**97.87**	**100.44**	**467.38**
Andhra Pradesh	53.26	327.71	103.74	25.47	383.77
Telangana	38.18	393.72	217.99	34.53	437.43
Karnataka	67.94	245.42	127.47	93.06	100.92
Kerala	35.86	387.49	198.21	37.36	109.32
Tamil Nadu	76.99	423.71	162.37	123.04	422.69
Puducherry	1.67	515.17	133.06	79.35	1057.83
Lakshadweep	0.07	576.75	117.68	9.63	0.00
Southern Region	**273.97**	**352.51**	**154.57**	**72.79**	**300.13**
Bihar	127.83	130.39	27.05	7.38	28.19
Jharkhand	39.76	151.54	30.93	277.73	138.74
Odisha	46.45	177.52	75.28	5.65	271.36
West Bengal	99.36	218.96	83.59	99.13	145.70
Sikkim	0.69	177.63	69.90	2.18	392.18
A & N Islands	0.40	417.35	149.72	0.00	27.35
Eastern Region	**314.49**	**168.48**	**52.78**	**70.27**	**116.00**
Arunachal Pradesh	1.57	154.94	62.64	1.65	179.08
Assam	35.91	135.21	44.48	3.39	32.99
Manipur	3.24	161.20	41.61	8.01	5.90
Meghalaya	3.36	178.57	41.42	2.09	159.96
Mizoram	1.24	253.51	42.59	2.00	9.00
Nagaland	2.24	252.82	39.81	8.63	0.09
Tripura	4.17	157.79	19.06	5.83	6.31
North-Eastern Region	**51.73**	**150.02**	**42.35**	**3.93**	**39.83**
Total (All India)	**1395.48**	**264.47**	**92.17**	**63.50**	**259.06**

Note:-

Source of Population: Office of Registrar General of India as on 1st October 2023

(i) Per Capita Ultimate Electricity Consumption = Ultimate Electricity Consumption/Mid year Population

(ii) For Total Per Capita Consumption of Electricity please refer Table 9.10

Table 9.7 (Contd.)
Per Capita Ultimate Consumption Of Electricity
State-wise/Category-wise
Utilities
2023-24

(kWh)

State / UTs	Public Lighting	Traction	Agriculture	Public Water Works & Sewage Pumping	Miscellaneous	Total
Chandigarh	12.28	2.23	1.01	0.00	69.95	1283.36
Delhi	14.53	12.00	1.81	32.96	76.49	1496.21
Haryana	5.44	23.57	325.25	44.25	66.03	1832.08
Himachal Pradesh	1.73	0.29	10.60	98.66	58.05	1515.87
UT of J&K and Ladakh	8.76	6.54	29.80	49.00	83.53	759.95
Punjab	5.07	24.76	414.89	0.00	41.44	1935.86
Rajasthan	4.12	11.67	412.97	34.66	31.15	1027.65
Uttar Pradesh	6.67	19.90	87.27	8.05	44.29	510.89
Uttarakhand	6.35	6.82	36.45	45.95	0.04	1185.26
Northern Region	**6.37**	**17.40**	**178.99**	**20.12**	**45.12**	**894.96**
Chhattisgarh	4.45	89.95	248.21	29.20	0.00	1102.56
Gujarat	2.82	16.97	297.73	35.79	6.74	1788.89
Madhya Pradesh	5.36	33.94	328.25	27.43	4.35	855.33
Maharashtra	9.23	29.53	322.37	26.43	37.70	1318.17
Daman & Diu	4.37	0.00	6.25	3.85	14.31	7744.05
Goa	8.44	0.00	26.37	0.00	27.30	3041.20
Western Region	**6.25**	**33.38**	**308.60**	**28.85**	**17.89**	**1312.47**
Andhra Pradesh	5.15	48.29	291.78	21.88	80.65	1288.45
Telangana	24.38	31.94	702.22	31.72	94.06	1968.00
Karnataka	18.93	11.86	469.71	74.33	20.57	1162.28
Kerala	10.51	12.14	12.81	0.01	1.29	769.12
Tamil Nadu	0.00	19.14	207.28	42.87	48.98	1450.09
Puducherry	10.93	0.00	35.54	27.56	2.65	1862.09
Lakshadweep	11.27	0.00	0.00	0.00	74.20	789.54
Southern Region	**10.54**	**23.75**	**331.21**	**39.32**	**47.86**	**1332.68**
Bihar	3.71	12.66	44.38	7.75	45.75	307.27
Jharkhand	2.52	43.13	2.54	0.00	15.23	662.37
Odisha	4.53	50.89	14.95	10.48	12.77	623.44
West Bengal	8.49	32.81	15.58	13.43	30.53	648.22
Sikkim	0.43	0.00	0.00	0.00	54.83	697.15
A & N Islands	12.05	0.00	4.26	0.00	132.54	743.28
Eastern Region	**5.20**	**28.48**	**25.50**	**8.94**	**32.35**	**508.00**
Arunachal Pradesh	0.00	0.24	0.05	6.27	24.56	429.43
Assam	0.59	5.58	1.94	4.94	52.89	282.00
Manipur	5.25	0.04	1.82	25.61	12.97	262.40
Meghalaya	0.38	0.03	0.06	14.33	105.79	502.64
Mizoram	2.03	0.41	0.87	78.67	15.57	404.66
Nagaland	0.00	0.19	0.01	0.10	65.14	366.79
Tripura	3.60	0.81	14.41	36.00	53.67	297.48
North-Eastern Region	**1.10**	**3.96**	**2.65**	**10.95**	**52.67**	**307.46**
Total (All India)	**6.70**	**24.31**	**197.41**	**23.03**	**36.83**	**967.48**

Table 9.8
"Annual Electricity Consumption Per Square Kilometre And Per Thousand Population
Region-wise/State-wise"
(Utilities+non-utilities)
2023-24

State / UTs	Population (Million)	Area in 1000 sq. kms. $	Total Energy Sold (GWh)	Energy Consumed per thousand population (kWh)	Energy Consumed per sq. km. (kWh)
Chandigarh	1.24	0.11	1595.43	1288712	14503871
Delhi	21.59	1.48	32318.75	1497070	21836996
Haryana	30.42	44.21	59256.14	1947870	1340333
Himachal Pradesh	7.49	55.67	11623.25	1551836	208788
UT of J&K and Ladakh	13.96	222.24	10612.63	760162	47753
Punjab	30.85	50.36	63165.84	2047847	1254286
Rajasthan	81.53	342.24	92388.03	1133123	269951
Uttar Pradesh	237.08	240.93	133535.97	563248	554252
Uttarakhand	11.71	53.48	14820.53	1266063	277123
Northern Region	**435.87**	**1010.72**	**419316.56**	**962033**	**414869**
Chhattisgarh	30.38	135.19	50557.13	1664158	373971
Gujarat	72.01	196.03	151289.16	2100976	771765
Madhya Pradesh	87.18	308.25	80000.32	917645	259531
Maharashtra	126.95	307.72	181758.45	1431688	590662
DNH & DD	1.32	0.11	10235.79	7772054	93052679
Goa	1.58	3.70	4977.06	3152030	1345150
Western Region	**319.42**	**951**	**478817.91**	**1499028**	**503489**
Andhra Pradesh	53.26	160.41	77676.35	1458355	484236
Telangana	38.18	114.65	79201.57	2074371	690812
Karnataka	67.94	191.79	91078.38	1340591	474886
Kerala	35.86	38.86	28721.31	800929	739097
Tamil Nadu	76.99	130.06	119417.05	1551012	918169
Puducherry	1.67	0.48	3179.57	1907360	6624102
Lakshadweep	0.07	0.03	54.48	789535	1815931
Southern Region	**273.97**	**636.28**	**399328.70**	**1457553**	**627599**
Bihar	127.83	94.16	39582.57	309657	420376
Jharkhand	39.76	79.71	31466.10	791480	394757
Odisha	46.45	155.71	84660.97	1822783	543709
West Bengal	99.36	88.75	69484.35	699298	782922
Sikkim	0.69	7.10	490.41	708690	69072
A & N Islands	0.40	8.25	299.54	743276	36308
Eastern Region	**314.49**	**433.68**	**225983.94**	**718580**	**521085**
Arunachal Pradesh	1.57	83.74	673.78	429432	8046
Assam	35.91	78.44	11297.34	314619	144025
Manipur	3.24	22.33	849.64	262395	38049
Meghalaya	3.36	22.43	1754.01	521406	78199
Mizoram	1.24	21.08	503.40	404660	23880
Nagaland	2.24	16.58	822.70	366786	49620
Tripura	4.17	10.49	1239.00	297479	118113
North-Eastern Region	**51.73**	**255.09**	**17139.86**	**331327**	**67191**
Total (All India)	**1395.48**	**3286.77**	**1540586.99**	**1103985**	**468724**

Note:-

Source of Population: Office of Registrar General of India as on 1st October 2022

$ Source of Area: "Statistical Abstract" published by Central Statistical Organisation.

Table 9.9
Annual Per Capita Consumption of Electricity- State-wise
(Utilities & Non Utilities)
2023-24

State/UTs	Population$ (in Thousands)	Net Generation of Utilities + Net Drawal from Grid including Import from Captive (GWh)	Auxilary Consumption for States own Gen. (GWh)	Auxilary Consumption for Drawal from Regional Grid (GWh)	Total Auxiliary Consumption (4+5) (GWh)
1	2	3	4	5	6
Chandigarh	1238	1843.89	0.18	256.53	256.71
Delhi	21588	38059.18	540.37	3130.45	3670.83
Haryana	30421	67933.74	1172.59	2224.09	3396.69
Himachal Pradesh	7490	13457.10	164.61	418.24	582.85
UT of J&K and Ladakh	13961	20435.68	44.40	1012.18	1056.59
Punjab	30845	69455.53	3189.16	3279.86	6469.01
Rajasthan	81534	108605.83	6694.64	2806.11	9500.76
Uttar Pradesh	237082	149561.97	10018.40	5797.22	15815.62
Uttarakhand	11706	16984.53	64.36	216.33	280.69
Northern Region	**435865**	**486337.45**	**21888.72**	**19141.02**	**41029.74**
Chhattisgarh	30380	40373.63	2562.24	3423.90	5986.13
Gujarat	72009	147796.82	4545.92	3257.19	7803.11
Madhya Pradesh	87180	96653.29	3411.40	5369.33	8780.72
Maharashtra	126954	197773.63	7323.82	5451.11	12774.94
Daman & Diu and Dadra & Naga	1317	11426.98	17.34	549.67	567.01
Goa	1579	5364.07	3.89	370.04	373.93
Western Region	**319419**	**499388.41**	**17864.61**	**18421.23**	**36285.84**
Andhra Pradesh	53263	81304.84	2775.04	1912.67	4687.71
Telangana	38181	86288.08	2581.10	2812.54	5393.63
Karnataka	67939	95512.63	3690.97	2829.64	6520.62
Kerala	35860	32657.42	356.19	1557.55	1913.74
Tamil Nadu	76993	135671.39	2478.22	3096.07	5574.29
Puducherry	1667	3614.56	4.46	142.44	146.90
Lakshadweep	69	64.43	0.45	0.00	0.45
Southern Region	**273972**	**435113.34**	**11886.43**	**12350.92**	**24237.34**
Bihar	127827	50062.51	493.24	1989.33	2482.57
Jharkhand	39756	32619.73	1534.29	1048.72	2583.02
Odisha	46446	36776.83	1965.81	7301.17	9266.99
West Bengal	99363	77770.28	4169.19	1695.39	5864.58
Sikkim	692	636.14	1.43	33.88	35.31
Andaman- Nicobar	403	363.30	6.12	0.00	6.12
Eastern Region	**314487**	**198228.80**	**8170.08**	**12068.49**	**20238.58**
Arunachal Pradesh	1569	1025.27	0.03	20.46	20.48
Assam	35908	12289.55	236.80	1132.39	1369.19
Manipur	3238	1054.52	0.17	62.75	62.92
Meghalaya	3364	2130.30	80.85	138.71	219.55
Mizoram	1244	650.80	3.43	41.45	44.89
Nagaland	2243	1020.79	1.69	28.21	29.90
Tripura	4165	1737.74	28.43	91.00	119.43
North-Eastern Region	**51731**	**19908.97**	**351.40**	**1514.96**	**1866.36**
All India	**1395478**	**1638976.96**	**60161.24**	**63496.63**	**123657.86**

Note:

1. Per Capita Electricty Consumption = (Gross Electricity Consumed/Mid Year Population)

2. Gross Electricty Consumed = Availability to State (i.e. State own Generation + Drawal From regional Grid)+Auxiliary Consumption+Gross Captive Electricity Consumption out of Self Generation

3. Population

State wise Mid Year Population (1st Oct of year 2023) as projected by Registrar General of India.

Table 9.9 (Contd.)
Annual Per Capita Consumption of Electricity- State-wise
(Utilities & Non Utilities)
2023-24

State/UTs	Gross Generation of Utilities+Gross Drawal from Grid including Import from Captive (3+6) (GWh)	Gross Consumption out of Self Generation by Captive Industries (GWh)	Total Gross Energy Consumption (Uti+Non-Uti) (7+8)(GWh)	Per Capita Consumption of Electricity (9/2) (kWh)
	7	8	9	10
Chandigarh	2100.60	6.63	2107.23	1702
Delhi	41730.00	18.58	41748.58	1934
Haryana	71330.43	3522.46	74852.88	2461
Himachal Pradesh	14039.95	269.41	14309.36	1910
UT of J&K and Ladakh	21492.27	2.91	21495.18	1540
Punjab	75924.54	3454.30	79378.84	2573
Rajasthan	118106.58	8599.32	126705.90	1554
Uttar Pradesh	165377.60	12413.81	177791.41	750
Uttarakhand	17265.22	945.83	18211.05	1556
Northern Region	**527367.19**	**29233.24**	**556600.43**	**1277**
Chhattisgarh	46359.76	17061.46	63421.22	2088
Gujarat	155599.93	22473.07	178073.00	2473
Madhya Pradesh	105434.01	5432.57	110866.58	1272
Maharashtra	210548.56	14411.32	224959.88	1772
Daman & Diu and Dadra & Naga	11993.99	36.87	12030.87	9135
Goa	5738.00	175.00	5912.99	3745
Western Region	**535674.25**	**59590.29**	**595264.54**	**1864**
Andhra Pradesh	85992.55	9049.90	95042.44	1784
Telangana	91681.72	4061.48	95743.20	2508
Karnataka	102033.24	12114.33	114147.58	1680
Kerala	34571.16	1140.61	35711.77	996
Tamil Nadu	141245.67	7770.40	149016.08	1935
Puducherry	3761.46	75.46	3836.92	2302
Lakshadweep	64.88	0.00	64.88	940
Southern Region	**459350.68**	**34212.18**	**493562.86**	**1802**
Bihar	52545.09	304.58	52849.66	413
Jharkhand	35202.75	5132.78	40335.53	1015
Odisha	46043.82	55704.70	101748.52	2191
West Bengal	83634.86	5074.81	88709.67	893
Sikkim	671.44	7.98	679.43	982
Andaman- Nicobar	369.42	0.00	369.42	917
Eastern Region	**218467.37**	**66224.86**	**284692.23**	**905**
Arunachal Pradesh	1045.75	0.00	1045.75	667
Assam	13658.73	1171.30	14830.03	413
Manipur	1117.45	0.00	1117.45	345
Meghalaya	2349.85	63.13	2412.99	717
Mizoram	695.68	0.00	695.68	559
Nagaland	1050.69	0.00	1050.69	468
Tripura	1857.18	0.00	1857.18	446
North-Eastern Region	**21775.33**	**1234.43**	**23009.76**	**445**
All India	**1762634.83**	**190495.00**	**1953129.83**	**1400**

Table 9.10
All India Electrical Accidents
State-wise
2023-24

State/UT	Generating Stations/Transmission & Distribution				Industrial Installa-tions of Consumers	
	Human		Animals		Human	
	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal
Andhra Pradesh	363	58	218	0	0	0
Arunachal Pradesh	4	0	2	0	0	0
Assam	83	43	86	0	0	1
Bihar	6	0	1	0	0	0
Chhattisgarh	NA	NA	NA	NA	NA	NA
Goa	5	14	10	0	5	2
Gujarat	297	209	472	0	39	6
Haryana	NA	NA	NA	NA	NA	NA
Himachal Pradesh	NA	NA	NA	NA	NA	NA
Jharkhand	NA	NA	NA	NA	NA	NA
Karnataka	435	226	643	0	2	0
Kerala	69	92	19	0	1	1
Madhya Pradesh	220	48	226	0	0	0
Maharashtra	618	557	1438	1	79	35
Manipur	8	4	0	0	0	0
Meghalaya	13	10	25	0	0	0
Mizoram	16	33	0	0	0	0
Nagaland	0	0	0	0	0	0
Orissa	76	35	33	0	1	0
Punjab	NA	NA	NA	NA	NA	NA
Rajasthan	NA	NA	NA	NA	NA	NA
Sikkim	1	0	0	0	0	0
Tamil Nadu	106	60	55	0	1	1
Telangana	31	7	101	0	0	0
Tripura	11	10	6	0	0	0
Uttarakhand	32	28	72	0	16	12
Uttar Pradesh	1051	442	1435	0	0	0
West Bengal	128	143	58	0	3	1
Mines	NA	NA	NA	NA	NA	NA
Central Govt. Installn.	NA	NA	NA	NA	NA	NA
Railways	0	0	0	0	0	0
Union Territories						
A & N Islands	1	2	2	0	0	0
Chandigarh	NA	NA	NA	NA	NA	NA
Delhi	18	21	0	0	16	1
DNH & DD	NA	NA	NA	NA	NA	NA
Lakshadweep	0	0	0	0	0	0
UT of J&K	64	19	36	0	0	0
UT of Ladakh	0	0	0	0	0	0
Puducherry	NA	NA	NA	NA	NA	NA
Total (All India)	3656	2061	4938	1	163	60

NA - Not Available.

Table 9.10 (Contd.)
All India Electrical Accidents
State-wise
2023-24

State/UT	Industrial Installa-tions of Consumers		Installations of Consumers Other than Industrial				Total * Accidents
	Animals		Human		Animals		
	Fatal	Non-Fatal	Fatal	Non-Fatal	Fatal	Non-Fatal	
Andhra Pradesh	0	0	42	1	2	0	684
Arunachal Pradesh	0	0	0	0	0	0	6
Assam	0	0	0	0	0	0	213
Bihar	0	0	0	0	0	0	7
Chhattisgarh	NA	NA	NA	NA	NA	NA	NA
Goa	0	0	0	0	0	0	36
Gujarat	1	0	295	17	16	0	1352
Haryana	NA	NA	NA	NA	NA	NA	NA
Himachal Pradesh	NA	NA	NA	NA	NA	NA	NA
Jharkhand	NA	NA	NA	NA	NA	NA	NA
Karnataka	0	0	40	0	0	0	1346
Kerala	0	0	135	16	29	0	362
Madhya Pradesh	1	0	98	6	16	0	615
Maharashtra	56	1	737	51	100	0	3673
Manipur	0	0	0	0	0	0	12
Meghalaya	0	0	2	2	0	0	52
Mizoram	0	0	0	0	0	0	49
Nagaland	0	0	0	0	0	0	0
Orissa	0	0	19	2	2	0	168
Punjab	NA	NA	NA	NA	NA	NA	NA
Rajasthan	NA	NA	NA	NA	NA	NA	NA
Sikkim	0	0	0	0	0	0	1
Tamil Nadu	0	0	67	10	21	2	323
Telangana	0	0	4	2	1	0	146
Tripura	0	0	2	0	9	0	38
Uttarakhand	0	0	0	0	0	0	160
Uttar Pradesh	0	0	122	8	31	0	3089
West Bengal	0	0	130	27	3	0	493
Mines	NA	NA	NA	NA	NA	NA	NA
Central Govt. Installn.	NA	NA	NA	NA	NA	NA	NA
Railways	0	0	4	3	0	0	7
Union Territories							
A & N Islands	0	0	0	0	0	0	5
Chandigarh	NA	NA	NA	NA	NA	NA	NA
Delhi	1	0	77	0	3	0	137
DNH & DD	NA	NA	NA	NA	NA	NA	NA
Lakshadweep	0	0	0	0	0	0	0
UT of J&K and Ladakh	0	0	1	1	0	0	121
UT of Ladakh	0	0	0	0	0	0	0
Puducherry	NA	NA	NA	NA	NA	NA	NA
	59	1	1775	146	233	2	13095

NA - Not Available.
*Includes total Human Fatal Accidents(5594), Human Non Fatal Accidents(2267)
Animal Fatal Accidents(5230) and Animal Non Fatal Accidents(4).

CHAPTER 10
Electricity Consumers and Connected Load

The electricity consumers have been categorized into different categories such as Domestic, Agricultural, Commercial, Industrial (LV & MV), Industrial (HV), Public Lighting, Railway Traction, Public Water Works including other miscellaneous consumers. The **Table 10** shows the details of consumers and connected load of different categories in various States/Union Territories.

- As on 31.03.2024, the total number of electricity consumers were about 357.58 million and the connected load was 933902 MW for all the categories in the country.
- Domestic consumer's category continues to have maximum number of consumers benefiting from electricity followed by commercial and agricultural categories.

The Domestic consumers had the maximum connected load of 393285 MW followed by Industrial and Agricultural sectors having connected load of 196049 MW and 161243 MW respectively.

Table 10
Classification of Consumers And Connected Load
Region-wise/State-wise
Utilities
31.03.2024

State/UTs	Domestic		Commercial		Industrial (LV&MV)	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Chandigarh	942890	225647	497803	29541	99632	2871
Delhi	14153238	6000410	6534042	1068421	1148126	26427
Haryana	11897654	6221518	4238800	846608	2256588	106826
Himachal Pradesh	5238166	2374981	1059521	329281	435025	32062
UT of J&K and Ladakh	2723803	1995058	765319	306230	324415	21161
Punjab	15848934	7928679	5091100	1254769	1367077	110458
Rajasthan	15218829	14067178	5842369	1490246	3811456	256062
Uttar Pradesh	46593925	30355728	6267628	2145194	2945189	195281
Uttarakhand	3902824	2524626	1638613	315224	384244	15993
Sub-Total(NR)	**116520264**	**71693825**	**31935194**	**7785514**	**12771751**	**767141**
Chattisgarh	3976111	5034618	1602543	437225	899077	38608
Gujarat	21193804	14948334	8842229	2457713	10739924	458782
Madhya Pradesh	13570840	12692661	4751516	1353220	1748551	137849
Maharashtra	40240902	26612147	14195133	3036252	9071546	497617
DNH & DD	231216	119190	62965	17044	245484	4408
Goa	1988339	566841	615942	110968	117055	5550
Sub-Total(WR)	**81201212**	**59973791**	**30070328**	**7412422**	**22821637**	**1142814**
Andhra Pradesh	19038516	16411706	7813541	1884323	3399249	106007
Telangana	16597057	13140500	7143954	1878080	1718441	111153
Karnataka	28557496	22062533	10199992	2723937	5168147	550272
Kerala	22761408	10529780	5677869	2643350	2184692	148879
Tamil Nadu	46572740	24019545	14612132	3757226	11038860	775813
Puducherry	681569	389212	160150	61008	137880	3543
Lakshadweep	70828	20956	9439	4692	3141	366
Sub-Total (SR)	**134279614**	**86574232**	**45617077**	**12952616**	**23650410**	**1696033**
Bihar	17265582	17665730	3611493	1578653	1794182	180442
Jharkhand	6906192	4591808	1066515	361435	531340	19663
Odisha	9894952	8476413	2379470	580425	400011	23270
West Bengal	17861589	23396513	5792296	2699108	2788366	179274
Sikkim	126436	115340	50361	12980	1580	422
A&N Island	240143	129581	91717	21101	0	0
Sub-Total (ER)	**52294893**	**54375385**	**12991851**	**5253702**	**5515479**	**403071**
Arunachal Pradesh	481431	263697	932663	34450	311923	243
Assam	6067660	6296126	1542185	377165	256732	22320
Manipur	742470	474688	122290	30759	20380	2402
Meghalaya	828521	648928	157376	37311	11439	732
Mizoram	424179	253849	58576	13810	5133	1037
Nagaland	122799	283909	19785	20719	13032	6072
Tripura	322327	877108	91338	77420	71837	5945
Sub-Total(NER)	**8989386**	**9098305**	**2924213**	**591634**	**690477**	**38751**
Total (All India)	**393285369**	**281715538**	**123538663**	**33995888**	**65449753**	**4047810**

Note-: (a) In some cases no. of consumers & connected load may have gone down over previous year due to reconciliation of data by the state(s).

Table 10 (Contd.)
Classification Of Consumers And Connected Load
Region-wise/State-wise
Utilities
31.03.2024

State/UTs	Industrial(H.V.)		Public Lighting		Traction	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Chandigarh	62280	102	4452	1551	0	0
Delhi	231179	511	128638	14986	0	0
Haryana	8295430	21885	46931	5433	41459	116
Himachal Pradesh	1677107	1945	6897	1393	0	0
Jammu & Kashmir ar	486285	1154	17905	461	9500	3
Punjab	10807091	47379	55121	5808	41000	541
Rajasthan	11244368	18344	384988	25821	74147	7
Uttar Pradesh	5736952	16004	282874	53921	53100	8
Uttarakhand	1966553	2637	21137	3251	29550	4
Sub-Total(NR)	**40507245**	**109961**	**948943**	**112625**	**248756**	**679**
Chattisgarh	3053334	2496	57474	10521	423720	28
Gujarat	17794232	24537	123637	24559	14917	17
Madhya Pradesh	2975626	5883	172855	23102	0	0
Maharashtra	18024266	15856	548770	107157	349364	137
DNH & DD	1705487	1654	3916	1091	0	0
Goa	702415	840	36496	6864	0	0
Sub-Total(WR)	**44255360**	**51266**	**943148**	**173294**	**788001**	**182**
Andhra Pradesh	6369289	8520	208651	122657	809604	78
Telangana	5871671	11967	376923	123609	393493	56
Karnataka	7698366	21517	881906	210244	30976	189
Kerala	2847604	2768	215005	73531	114303	20
Tamil Nadu	8130670	7700	0	0	560153	1698
Puducherry	356710	531	7203	58176	0	0
Lakshadweep	0	0	232	69	0	0
Sub-TotalSR)	**31274310**	**53003**	**1689920**	**588286**	**1908530**	**2041**
Bihar	1622934	4553	67360	5559	160500	18
Jharkhand	3549987	3069	16168	999	88178	5
Odisha	3236535	5262	69504	22550	741200	54
West Bengal	4664879	5116	171613	57050	556042	96
Sikkim	82620	879	117	72	0	0
A&N Island	13754	423	2880	764	0	0
Sub-Total(ER)	**13170710**	**19302**	**327642**	**86994**	**1545920**	**173**
Arunachal Pradesh	92330	121	0	0	0	0
Assam	905166	3451	9334	3670	55600	7
Manipur	17610	175	1230	505	0	0
Meghalaya	289867	210	1409	71	0	0
Mizoram	8372	26	996	525	0	0
Nagaland	0	0	9079	66	0	0
Tripura	77817	836	15278	2518	0	0
Sub-Total(NER)	**1391162**	**4819**	**37325**	**7355**	**55600**	**7**
Total (All India)	**130598787**	**238351**	**3946977**	**968554**	**4546806**	**3082**

Table 10 (Contd.)
Classification Of Consumers And Connected Load
Region-wise/State-wise
Utilities
31.03.2024

State/UTs	Agriculture		Public Water Works		Miscellaneous		Total	
	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers	Connected Load (KW)	Consumers
Chandigarh	936	122	9237	53	46242	1225	1663471	261112
Delhi	70232	10609	332575	7639	599837	25341	23197866	7154344
Haryana	8144286	690866	552036	24896	1631645	4290	37104828	7922438
Himachal Pradesh	249433	44564	408626	9055	552303	52725	9627078	2846006
Jammu & Kashmir ar	182486	25441	143055	2940	486726	17067	5139493	2369515
Punjab	11232375	1391193	0	0	371741	3073	44814440	10741900
Rajasthan	20099746	1891673	1156719	81326	1642338	412911	59474959	18243568
Uttar Pradesh	9048806	1527715	681485	33006	3885675	428144	75495635	34755001
Uttarakhand	367150	48672	157687	2948	737	26	8468495	2913381
Sub-Total(NR)	**49395449**	**5630855**	**3441420**	**161863**	**9217244**	**944802**	**264986267**	**87207265**
Chattisgarh	1923108	742042	190755	43681	0	0	12126122	6309219
Gujarat	17479854	2035360	1381007	119047	344132	74873	77913737	20143222
Madhya Pradesh	13740642	3550940	713029	68674	97636	132	37770695	17832461
Maharashtra	18157815	4742011	1211786	60333	2871945	207556	104671526	35279066
DNH & DD	8653	2578	4866	585	2876	18066	2265463	164616
Goa	52572	13126	0	0	39026	6155	3551845	710344
Sub-Total(WR)	**51362644**	**11086057**	**3501443**	**292320**	**3355615**	**306782**	**238299388**	**80438928**
Andhra Pradesh	12416211	1626602	805497	81010	7896403	756364	58756960	20997267
Telangana	12137366	2818559	391645	78050	4075433	101200	48705983	18263174
Karnataka	20635929	3452428	2203020	293614	4641044	1444956	80016876	30759690
Kerala	1120720	525568	135	1	75630	2434	34997366	13926331
Tamil Nadu	9954415	2355355	3260217	830599	3745954	1933737	97875141	33681673
Puducherry	62230	7300	24034	928	2843	2528	1432619	523226
Lakshadweep	0	0	0	0	10185	1072	93825	27155
Sub-TotalSR)	**56326871**	**10785812**	**6684547**	**1284202**	**20447492**	**4242291**	**321878770**	**118178516**
Bihar	1329142	661916	294787	99399	5272	805	26151252	20197075
Jharkhand	177343	101368	0	0	295627	137	12631350	5078484
Odisha	976644	193248	265415	23059	455181	94398	18418912	9418679
West Bengal	1468411	378161	642134	46882	272956	5483	34218286	26767683
Sikkim	0	0	0	0	46421	2000	307535	131693
A&N Island	1529	667	0	0	47488	2196	397511	154732
Sub-Total(ER)	**3953069**	**1335360**	**1202336**	**169340**	**1122946**	**105019**	**92124846**	**61748346**
Arunachal Pradesh	160	23	8119	1147	334709	583	2161335	300264
Assam	160060	52891	167487	17112	1257763	130261	10421986	6903003
Manipur	1130	69	18760	264	49390	426	973260	509288
Meghalaya	220	23	24238	593	68515	2730	1381585	690598
Mizoram	4655	72	46137	234	22211	17895	570258	287448
Nagaland	11	8	851	17	41873	13493	207431	324284
Tripura	39149	8354	156296	13955	122667	4315	896709	990451
Sub-Total(NER)	**205385**	**61440**	**421888**	**33322**	**1897129**	**169703**	**16612564**	**10005336**
Total (All India)	**161243419**	**28899524**	**15251634**	**1941047**	**36040425**	**5768597**	**933901834**	**357578391**
							933902	

Chapter 11

Urban & Rural Electrification

High priority continued to be attached to the implementation of rural electrification work. The programme included among other measures, maximization of electricity generation, electrification of villages and rural households as speedily as possible and improve irrigation through energization of pump sets. Rural electrification is the responsibility of State Governments/State Electricity Departments/Distribution Companies which own & operate the distribution system in the State. Rural electrification schemes are formulated and implemented by the State Governments according to the priorities fixed by them and depending upon the availability of financial resources & other inputs.

The funds for rural electrification programme are provided by the Government of India under Deen Dayal Upadhyaya Gram Jyoti Yojana (DDUGJY) scheme and supplemented by financial institutions like REC Ltd.

The prevailing definition of village electrification modified in Feb. 2004 states: "A village would be declared as electrified if Electricity is provided to public places like Schools, Panchayat Office, Health Centres, Dispensaries, Community Centres etc. and the number of households electrified are at least 10% of the total number of households in the village."

The **Tables 11.1 to 11.3** gives the details of Urban Electrification, Rural Electrification and existing irrigation Pump sets / Tube wells in the country.

- As per the information received from the MIS of DDUGJY as on 31st March 2024, the total number of villages electrified was 597464 out of total number of villages of 597464 in the country representing 100 %.
- All the States/UTs have achieved 100% village electrification as per the above definition.
- As per census 2011 data, all the towns i.e. 7935 towns are already electrified in the country.
- The total number of existing irrigation pump-sets/tube-wells in the country were 27583714 as on 31st March, 2024.
- Maharashtra has maximum number of energized pump- sets (4476130) followed by Karnataka (3144713).

- The average capacity and electricity consumption per pump-set was 5.85kW and 9987 kWh respectively.
- The electricity consumption during 2023-24 in Agriculture sector is third highest being 17.88% of total consumption of electricity in the country.

Table 11.1
Towns Electrified
31.03.2024

Name of the State/UTs	Total No. of Towns as per 2011 Census	Towns Electrified
Chandigarh	6	6
Delhi	113	113
Haryana	154	154
Himachal Pradesh	59	59
UT of J&K and Ladakl	122	122
Punjab	217	217
Rajasthan	297	297
Uttar Pradesh	915	915
Uttarakhand	116	116
Sub-Total (NR)	**1999**	**1999**
Chhattisgarh	182	182
Gujarat	348	348
Madhya Pradesh	476	476
Maharashtra	535	535
Daman & Diu	8	8
D. & N. Haveli	6	6
Goa	70	70
Sub-Total(WR)	**1625**	**1625**
Andhra Pradesh	195	195
Telangana (erstwhile	158	158
Karnataka	347	347
Kerala	520	520
Tamil Nadu	1097	1097
Puducherry	10	10
Lakshadweep	6	6
Sub-Total(SR)	**2333**	**2333**
Bihar	199	199
Jharkhand	228	228
Odisha	223	223
West Bengal	909	909
Sikkim	9	9
A.& N. Islands	5	5
Sub-Total(ER)	**1573**	**1573**
Arunachal Pradesh	27	27
Assam	214	214
Manipur	51	51
Meghalaya	22	22
Mizoram	23	23
Nagaland	26	26
Tripura	42	42
Sub-Total (NER)	**405**	**405**
Total (All India)	**7935**	**7935**

Table 11.2
All India Villages Electrified
State-wise
31.03.2024

Name of the State/UTs	Total Inhabited Villages as per 2011 census	Villages Electrified as on 31.03.2024	% age Electrified
Chandigarh	5	5	100.00
Delhi	103	103	100.00
Haryana	6642	6642	100.00
Himachal Pradesh	17882	17882	100.00
UT of J&K and Ladakh	6337	6337	100.00
Punjab	12168	12168	100.00
Rajasthan	43264	43264	100.00
Uttar Pradesh	97813	97813	100.00
Uttarakhand	15745	15745	100.00
Sub-Total (NR)	**199959**	**199959**	**100.00**
Chhattisgarh	19567	19567	100.00
Gujarat	17843	17843	100.00
Madhya Pradesh	51929	51929	100.00
Maharashtra	40956	40956	100.00
Daman & Diu	19	19	100.00
D. & N. Haveli	65	65	100.00
Goa	320	320	100.00
Sub-Total(WR)	**130699**	**130699**	**100.00**
Andhra Pradesh	16158	16158	100.00
Telangana	10128	10128	100.00
Karnataka	27397	27397	100.00
Kerala	1017	1017	100.00
Tamil Nadu	15049	15049	100.00
Puducherry	90	90	100.00
Lakshadweep	6	6	100.00
Sub-Total(SR)	**69845**	**69845**	**100.00**
Bihar	39073	39073	100.00
Jharkhand	29492	29492	100.00
Odisha	47677	47677	100.00
West Bengal	37463	37463	100.00
Sikkim	425	425	100.00
A.& N. Islands	396	396	100.00
Sub-Total(ER)	**154526**	**154526**	**100.00**
Arunachal Pradesh	5258	5258	100.00
Assam	25372	25372	100.00
Manipur	2379	2379	100.00
Meghalaya	6459	6459	100.00
Mizoram	704	704	100.00
Nagaland	1400	1400	100.00
Tripura	863	863	100.00
Sub-Total (NER)	**42435**	**42435**	**100.00**
Total (All India)	**597464**	**597464**	**100.00**

Table 11.3
All India Irrigation Pumpsets/ Tubewells Energised - State-wise
31.03.2024

Name of the State/UTs	Number. of Pumpsets Energised up to 31.03.2023	New Pumpsets Energised during the year 2023-24 (Prov.)	No. of Existing Pumpsets Enersiged upto 31.03.2024	Agricultural Consumption		Agricultural Connected Load (kW)	Average Capacity pumpset (kW)	Avg. Consumption per pumpset (kWh)
				Energy (GWh)	% of total Consumption in the state			
1	2	3	4	5	6	7	8 (7/4)	9 (5/4)
Chandigarh	421	0	421	1.26	0.08	936	2.22	2983.09
Delhi	30651	0	30651	38.99	0.12	70232	2.29	1272.22
Haryana	676946	0	676946	9894.53	16.70	8144286	12.03	14616.42
Himachal Pradesh	47180	0	47180	79.40	0.68	249433	5.29	1682.90
UT of J&K and Ladakh	20471	2369	22840	416.07	3.92	182486	7.99	18216.53
Punjab	1390902	10490	1401392	12797.35	20.26	11232375	8.02	9131.88
Rajasthan	1809486	38439	1847925	33671.17	36.45	20099746	10.88	18221.07
Uttar Pradesh	1451816	0	1451816	20689.50	15.49	9048806	6.23	14250.77
Uttarakhand	38215	0	38215	426.66	2.88	367150	9.61	11164.60
Sub-Total (NR)	**5466088**	**51302**	**5517390**	**78014.91**	**18.61**	**49395449**	**8.95**	**14139.82**
Chhattisgarh	549504	0	549504	7540.57	14.91	1923108	3.50	13722.51
Gujarat	1913336	130	1913466	21439.36	14.17	17479854	9.14	11204.46
Madhya Pradesh	3107710	276668	3384378	28617.11	35.77	13740642	4.06	8455.65
Maharashtra	4476130	0	4476130	40925.77	22.52	18157815	4.06	9143.11
DNH & DD	2452	0	2452	8.23	0.08	8653	3.53	3356.44
Goa	12931	372	13303	41.63	0.84	52572	3.95	3129.62
Sub-Total(WR)	**10062063**	**277170**	**10339233**	**98572.68**	**20.59**	**51362644**	**4.97**	**9533.85**
Andhra Pradesh	1904499	0	1904499	15541.18	20.01	12416211	6.52	8160.25
Telangana	2675391	0	2675391	26811.50	33.85	12137366	4.54	10021.53
Karnataka	3119019	25694	3144713	31911.94	35.04	20635929	6.56	10147.81
Kerala	566332	0	566332	459.26	1.60	1120720	1.98	810.94
Tamil Nadu	2304022	0	2304022	15959.28	13.36	9954415	4.32	6926.70
Puducherry	7389	0	7389	59.24	1.86	62230	8.42	8017.32
Lakshadweep	0	0	0	0.00	0.00	0	0.00	0.00
Sub-Total(SR)	**10576652**	**25694**	**10602346**	**90742.40**	**22.72**	**56326871**	**5.31**	**8558.71**
Bihar	384940	42396	427336	5673.03	14.33	1329142	3.11	13275.34
Jharkhand	100000	0	100000	100.98	0.32	177343	1.77	1009.84
Odisha	161250	10366	171616	694.52	0.82	976644	5.69	4046.95
West Bengal	360178	13328	373506	1547.79	2.23	1468411	3.93	4143.96
Sikkim	0	0	0	0.00	0.00	0	0.00	0.00
A.& N. Islands	584	0	584	1.72	0.57	1529	2.62	2942.31
Sub-Total(ER)	**1006952**	**66090**	**1073042**	**8018.05**	**3.55**	**3953069**	**3.68**	**7472.26**
Arunachal Pradesh	17	0	17	0.08	0.01	160	9.41	4441.24
Assam	42803	0	42803	69.62	0.62	160060	3.74	1626.48
Manipur	108	0	108	5.90	0.69	1130	10.46	54623.61
Meghalaya	28	0	28	0.20	0.01	220	7.86	7197.03
Mizoram	54	0	54	1.08	0.22	4655	86.20	20065.79
Nagaland	194	0	194	0.02	0.00	11	0.06	96.86
Tripura	8499	0	8499	60.02	4.84	39149	4.61	7061.68
Sub-Total (NER)	**51703**	**0**	**51703**	**136.91**	**0.80**	**205385**	**3.97**	**2648.09**
Total (All India)	**27163458**	**420256**	**27583714**	**275484.96**	**17.88**	**161243419**	**5.85**	**9987.23**

Chapter 12

Power Trading

Power Trading has been instituted with incorporation of Power Trading Corporation of India in the year 1999. Enactment of Electricity Act, 2003 paved a way for developing market for optimal utilization of energy; promote exchange of power with the neighboring countries and easy access for exchange of power within the country from surplus to deficit system.

The Power Trading has been incorporated in the General Review with a view that it may be useful to the utilities. The chapter enumerates the Power Trading Licensees along with category they belong to and their status during the year followed by state-wise Import/Export of energy during the year.

- There are Fifty Nine (59) numbers of trading companies having trading license as on 31-03-2024. These trading companies have been classified as per the volume of trade permitted during the year, based on category of license for trading (I-V).

- The total volume of electrical energy traded by the companies during 2023-24 was 24431.93 GWh which constitute 1.41 % of the total generation from utilities as against 17262.86 GWh which constituted 1.07% of the total generation from utilities in the previous year 2022-23.

- Out of total volume of trade of 24431.93 GWh, NVVN which has traded 7827.55 GWh constituting 32.04 % of total volume of trade.

- NVVN was followed by TPTCL which traded 5053.14 GWh constituting 20.68%, PTC which traded 4623.84 GWh constituting 18.93%, AEL which traded 1995.36 GWh constituting 8.17%.

- The total traded volume of the above four traders amounts to 79.82% of the total volume of electricity traded by all 59 Nos. of trading companies.

- Maximum volume of electricity was traded by trading companies is between sale price range of Rs 7.001 per kWh to Rs 8.000 per kWh.

Table 12.1
Name of the Trading Companies Existing
31.03.2024

Sl. No.	Name of the Trading Licensee	Date of Issue	Present Category of License
1	Adani Enterprises Ltd	09.06.2004	I
2	GMR Energy Trading Ltd	14.10.2008	I
3	Manikaran Power Ltd	29.06.2012	I
4	NHPC Limited	23.04.2018	I
5	NLC India Ltd.	13.07.2018	I
6	NTPC Limited	08.07.2019	I
7	NTPC Vidyut Vyapar Nigam Ltd	23.07.2004	I
8	PTC India Ltd	30.06.2004	I
9	Refex Energy Ltd.	30.08.2018	I
10	Refex Industries Ltd.	21.03.2022	I
11	SJVN Limited	10.01.2022	I
12	Solar Energy Corporation of India	01.04.2014	I
13	Statkraft Markets (P) Ltd	21.06.2012	I
14	Tata Power Trading Company Ltd	09.06.2004	I
15	Arunachal Pradesh Power Corporation (P) Ltd	11.09.2012	II
16	Kreate Energy (I) Pvt. Ltd.	12.02.2009	II
17	Kundan International Private Ltd.	29.04.2022	II
18	RPG Power Trading Company Ltd	23.09.2008	II
19	ABJA Power Pvt. Ltd.	26.04.2011	III
20	AEI New Energy Trading Pvt. Ltd.	25.03.2022	III
21	Greenko Energies (P) Ltd	22.01.2008	III
22	National Energy Trading & Services Ltd	23.07.2004	III
23	Visual Percept Solar Projects Private Ltd.	27.11.2022	III
24	JSW Power Trading Company Ltd.	25.04.2006	III
25	Adarsh Stainless Private Ltd.	15.08.2023	IV
26	Ambitious Power Trading Company Ltd	16.09.2008	IV
27	Instinct Infra & Power Ltd	07.09.2005	IV
28	Knowledge Infrastructure Systems (P) Ltd	18.12.2008	IV
29	Phillip Commodities India Pvt. Ltd.	21.01.2016	IV
30	ReNew Energy markets Pvt. Ltd.	28.11.2021	IV
31	Shree Cement Ltd	16.03.2010	IV
32	THDC India Ltd.	06.05.2023	IV
33	VEH Global India Private Ltd.	26.12.2022	IV
34	EKI Power Trading Private Ltd.	11.12.2023	IV
35	Altilium Energies Pvt. Ltd.	23.05.2021	V
36	Amp Energy Markets India Pvt. Ltd.	15.04.2021	V
37	Atria Energy Services Private Limited	20.06.2017	V
38	Customised Energy Solutions India (P) Ltd	08.06.2011	V
39	Gita Power Infrastructured (P) Ltd.	20.10.2015	V
40	Ideal Energy Solutions Pvt. Ltd.	22.03.2022	V
41	Instant Ventures Pvt. Ltd.	09.02.2022	V
42	Powerfull Energy Trading Private Ltd.	09.08.2022	V
43	REL Power Trading LLP	13.12.2022	V

Table 12.2
State-wise Import/Export of Traded Energy During 2023-24

(GWh)

State/UTs	Export Gwh	Import Gwh
Chandigarh	0.00	0.00
Delhi	0.00	2062.56
Haryana	0.00	4122.30
Himachal Pradesh	315.27	0.00
Jammu & Kashmir	0.00	0.00
Punjab	0.00	0.00
Rajasthan	1178.81	2737.35
Uttar Pradesh	169.67	1287.83
Uttarakhand	182.41	750.55
Northern Region	**1846.15**	**10960.59**
Chhattisgarh	6321.91	0.00
Gujarat	472.61	3356.88
Madhya Pradesh	5128.49	318.40
Maharashtra	1077.08	1301.33
Daman & Diu	0.00	0.00
Dadar & Nagar Haveli	0.00	0.00
Goa	0.00	100.82
Western Region	**13000.08**	**5077.43**
Andhra Pradesh	1788.74	4231.05
Telangana	571.61	0.00
Karnataka	93.35	36.62
Kerala	0.00	1167.43
Tamil Nadu	4384.34	2458.03
Puducherry	0.00	159.36
Lakshadweep	0.00	0.00
Southern Region	**6838.03**	**8052.49**
Bihar	0.00	0.11
Jharkhand	358.62	0.00
West Bengal	489.03	310.57
Odisha	1454.79	0.05
Sikkim	7.88	0.00
A. & N. Islands	0.00	0.00
Eastern Region	**2310.31**	**310.73**
Arunachal Pradesh	152.85	0.00
Assam	0.00	0.00
Manipur	0.00	0.00
Meghalaya	283.23	29.43
Mizoram	0.00	0.00
Nagaland	0.00	0.00
Tripura	1.26	1.26
North-Eastern Region	**437.34**	**30.69**
All India	**24431.93**	**24431.93**

Table 12.3
State-wise Import Figures During
2023-24

(GWh)

State/UTs	PEAK	Round the Clock	Other than Peak & RTC	Total
Chandigarh	0.00	0.00	0.00	0.00
Delhi	0.00	1966.61	95.95	2062.56
Haryana	0.00	4122.30	0.00	4122.30
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	1343.84	1393.51	2737.35
Uttar Pradesh	17.57	77.53	1192.73	1287.83
Uttarakhand	0.00	750.55	0.00	750.55
Northern Region	**17.57**	**8260.83**	**2682.19**	**10960.59**
Chhattisgarh	0.00	0.00	0.00	0.00
Gujarat	0.00	3356.88	0.00	3356.88
Madhya Pradesh	0.00	0.00	318.40	318.40
Maharashtra	5.76	1237.97	57.59	1301.33
Daman & Diu	0.00	0.00	0.00	0.00
Dadar & Nagar Haveli	0.00	0.00	0.00	0.00
Goa	0.00	0.00	100.82	100.82
Western Region	**5.76**	**4594.86**	**476.82**	**5077.43**
Andhra Pradesh	0.00	4180.27	50.77	4231.05
Telangana	0.00	0.00	0.00	0.00
Karnataka	0.00	35.83	0.79	36.62
Kerala	0.00	1165.23	2.20	1167.43
Tamil Nadu	67.15	2368.43	22.45	2458.03
Puducherry	0.00	0.00	159.36	159.36
Lakshadweep	0.00	0.00	0.00	0.00
Southern Region	**67.15**	**7749.76**	**235.58**	**8052.49**
Bihar	0.00	0.11	0.00	0.11
Jharkhand	0.00	0.00	0.00	0.00
West Bengal	0.00	310.57	0.00	310.57
Odisha	0.00	0.00	0.05	0.05
Sikkim	0.00	0.00	0.00	0.00
A. & N. Islands	0.00	0.00	0.00	0.00
Eastern Region	**0.00**	**310.69**	**0.05**	**310.73**
Arunachal Pradesh	0.00	0.00	0.00	0.00
Assam	0.00	0.00	0.00	0.00
Manipur	0.00	0.00	0.00	0.00
Meghalaya	0.00	29.22	0.21	29.43
Mizoram	0.00	0.00	0.00	0.00
Nagaland	0.00	0.00	0.00	0.00
Tripura	0.00	1.26	0.00	1.26
North-Eastern Region	**0.00**	**30.48**	**0.21**	**30.69**
All India	**90.48**	**20946.61**	**3394.84**	**24431.93**

Table 12.4
State-wise Trader-Wise Import Export of Energy in Gwh during 2023-24

(GWh)

State/UTs	Import	Export	Trader
Delhi	17.16	0.00	GMR
	1178.61	0.00	NVVN
	105.58	0.00	PTC
	9.91	0.00	SAPL
	78.38	0.00	SJVN
	672.91	0.00	TPTCL
Total	**2062.56**	**0.00**	
Haryana	582.29	0.00	AEL
	256.99	0.00	APTCL
	200.07	0.00	IIPL
	186.59	0.00	MPL
	933.15	0.00	NVVN
	796.18	0.00	PTC
	1167.01	0.00	TPTCL
Total	**4122.30**	**0.00**	
Himachal Pradesh	0.00	21.48	GMR
	0.00	1.65	SJVN
	0.00	292.13	TPTCL
Total	**0.00**	**315.27**	
Rajasthan	302.52	0.19	AEL
	187.65	0.00	GMR
	59.25	43.09	MPL
	0.00	477.77	NTPC
	742.88	0.00	NVVN
	787.62	205.69	PTC
	0.00	411.75	SCL
	0.00	38.81	SJVN
	657.45	1.51	TPTCL
Total	**2737.35**	**1178.81**	
Uttar Pradesh	668.38	0.00	AEL
	0.30	0.00	APPCPL
	1.69	0.00	GMR
	93.44	0.00	MPL
	44.79	0.00	NVVN
	106.92	0.00	PTC
	118.88	0.00	SCL
	0.00	5.94	SJVN
	253.41	163.73	TPTCL
Total	**1287.83**	**169.67**	
Uttarakhand	750.55	0.00	NVVN
	0.00	27.55	PTC
	0.00	154.86	TPTCL
Total	**750.55**	**182.41**	
Northern Region	**10960.59**	**1846.15**	
Chhattisgarh	0.00	1161.94	AEL
	0.00	256.99	APTCL
	0.00	200.12	IIPL
	0.00	188.02	MPL
	0.00	1476.64	NVVN
	0.00	1523.79	PTC
	0.00	1514.40	TPTCL
Total	**0.00**	**6321.91**	
Gujarat	75.61	141.58	AEL
	97.10	0.00	GMR
	185.41	0.00	MPL
	487.24	0.00	NVVN
	1142.13	331.02	PTC
	1369.40	0.00	TPTCL
Total	**3356.88**	**472.61**	

Table 12.4 (Contd.)
STATE WISE TRADER-WISE IMPORT EXPORT OF ENERGY IN GWh DURING 2023-24

(GWh)

State/UTs	Import	Export	Trader
Madhya Pradesh	0.00	686.77	AEL
	0.00	50.28	GMR
	0.00	249.22	MPL
	318.40	0.00	NTPC
	0.00	2443.62	NVVN
	0.00	1629.13	PTC
	0.00	9.91	SAPL
	0.00	59.57	TPTCL
Total	**318.40**	**5128.49**	
Maharashtra	140.35	0.00	AEL
	151.03	396.77	GMR
	0.71	0.00	KEIPL
	62.39	537.34	MPL
	647.22	17.57	NVVN
	50.16	125.41	PTC
	249.46	0.00	TPTCL
Total	**1301.33**	**1077.08**	
Goa	100.82	0.00	NVVN
Total	**100.82**	**0.00**	
Western Region	**5077.43**	**13000.08**	
Andhra Pradesh	0.00	0.21	APPCPL
	893.01	0.00	GITA
	0.00	0.71	KEIPL
	397.39	0.00	MPL
	2020.11	758.84	NVVN
	920.53	527.36	PTC
	0.00	501.61	TPTCL
Total	**4231.05**	**1788.74**	
Kerala	86.95	0.00	AEL
	84.97	0.00	GMR
	33.48	0.00	MPL
	371.85	0.00	NVVN
	78.02	0.00	PTC
	512.17	0.00	TPTCL
Total	**1167.43**	**0.00**	
Karnataka	0.00	4.87	AEL
	36.62	0.30	APPCPL
	0.00	83.11	PTC
	0.00	5.06	SJVN
Total	**36.62**	**93.35**	
Puducherry	159.36	0.00	NTPC
Total	**159.36**	**0.00**	
Tamil Nadu	0.00	893.01	GITA
	0.34	36.97	GMR
	677.17	677.17	MPL
	549.07	2475.30	NVVN
	636.70	0.00	PTC
	301.88	301.88	RIL
	292.86	0.00	SCL
Total	**2458.03**	**4384.34**	
Telangana	0.00	100.82	NVVN
	0.00	60.89	PTC
	0.00	0.71	SJVN
	0.00	409.19	TPTCL
Total	**0.00**	**571.61**	
Southern Region	**8052.49**	**6838.03**	

Table 12.4 (Contd.)
STATE WISE TRADER-WISE IMPORT EXPORT OF ENERGY IN GWh DURING 2023-24

(GWh)

State/UTs	Import	Export	Trader
Bihar	0.11	0.00	MPL
Total	**0.11**	**0.00**	
Jharkhand	0.00	32.29	GMR
	0.00	66.61	NVVN
	0.00	65.36	PTC
	0.00	194.36	TPTCL
Total	**0.00**	**358.62**	
Odisha	0.05	36.59	APPCPL
	0.00	2.15	GMR
	0.00	0.04	IIPL
	0.00	29.04	MPL
	0.00	52.97	NVVN
	0.00	44.52	PTC
	0.00	1289.48	TPTCL
Total	**0.05**	**1454.79**	
Sikkim	0.00	7.88	SJVN
Total	**0.00**	**7.88**	
West Bengal	139.26	0.00	AEL
	0.00	0.56	MPL
	0.00	16.17	SJVN
	171.31	472.29	TPTCL
Total	**310.57**	**489.03**	
Eastern Region	**310.73**	**2310.31**	
Arunachal Pradesh	0.00	150.69	NVVN
	0.00	2.16	SJVN
Total	**0.00**	**152.85**	
Meghalaya	0.13	0.00	APPCPL
	0.00	283.23	NVVN
	0.08	0.00	IIPL
	29.22	0.00	MPL
Total	**29.43**	**283.23**	
Tripura	1.26	1.26	NVVN
Total	**1.26**	**1.26**	
North Eastern Region	**30.69**	**437.34**	
All India	**24431.93**	**24431.93**	
Grand Total	**24431.93**	**24431.93**	

Table 12.5
Trader-wise State-wise Energy sales during 2023-24

(GWh)

Row Labels	Sold to State	Sum of Actually Scheduled Volume (MU)	% Vol.
AEL	Gujarat	75.61	
	Haryana	582.29	
	Kerala	86.95	
	Uttar Pradesh	668.38	
	West Bengal	139.26	
	Maharashtra	140.35	
	Rajasthan	302.52	
AEL Total		**1995.36**	**8.17**
APPCPL	Odisha	0.05	
	Uttar Pradesh	0.30	
	Karnataka	36.62	
	Meghalaya	0.13	
APPCPL Total		**37.10**	**0.15**
GMR	Delhi	17.16	
	Gujarat	97.10	
	Kerala	84.97	
	Tamil Nadu	0.34	
	Uttar Pradesh	1.69	
	Maharashtra	151.03	
	Rajasthan	187.65	
GMR Total		**539.94**	**2.21**
KEIPL	Maharashtra	0.71	
KEIPL Total		**0.71**	**0.00**
MPL	Andhra Pradesh	397.39	
	Gujarat	185.41	
	Haryana	186.59	
	Kerala	33.48	
	Tamil Nadu	677.17	
	Uttar Pradesh	93.44	
	Maharashtra	62.39	
	Meghalaya	29.22	
	Rajasthan	59.25	
	Bihar	0.11	
MPL Total		**1724.43**	**7.06**
NVVN	Andhra Pradesh	2020.11	
	Delhi	1178.61	
	Goa	100.82	
	Gujarat	487.24	
	Haryana	933.15	
	Kerala	371.85	
	Tamil Nadu	549.07	
	Uttar Pradesh	44.79	
	Maharashtra	647.22	
	Uttarakhand	750.55	
	Tripura	1.26	
	Rajasthan	742.88	
NVVN Total		**7827.55**	**32.04**

Table 12.5 (Contd.)
Trader-wise State-wise Energy sales during 2023-24

Trader	Sales to	Sales Vol.	% Vol.
PTC	Andhra Pradesh	920.53	
	Delhi	105.58	
	Gujarat	1142.13	
	Haryana	796.18	
	Kerala	78.02	
	Tamil Nadu	636.70	
	Uttar Pradesh	106.92	
	Maharashtra	50.16	
	Rajasthan	787.62	
PTC Total		**4623.84**	**18.93**
TPTCL	Delhi	672.91	
	Gujarat	1369.40	
	Haryana	1167.01	
	Kerala	512.17	
	Uttar Pradesh	253.41	
	West Bengal	171.31	
	Maharashtra	249.46	
	Rajasthan	657.45	
TPTCL Total		**5053.14**	**20.68**
IIPL	**Haryana**	**200.07**	
	Meghalaya	0.08	
IIPL Total		**200.16**	**0.82**
NTPC	Madhya Pradesh	318.40	
	Puducherry	159.36	
NTPC Total		**477.77**	**1.96**
SCL	**Tamil Nadu**	**292.86**	
	Uttar Pradesh	118.88	
SCL Total		**411.75**	**1.69**
APTCL	Haryana	256.99	
APTCL Total		**256.99**	**1.05**
RIL	Tamil Nadu	301.88	
RIL Total		**301.88**	**1.24**
SJVN	Delhi	78.38	
SJVN Total		**78.38**	**0.32**
GITA	Andhra Pradesh	893.01	
GITA Total		**893.01**	**3.66**
SAPL	Delhi	9.91	
SAPL Total		**9.91**	**0.04**
Total All India		**24431.93**	**100.00**

Table 12.6
Average Sale and Purchase Price of Electricity Traded and Trading Margin-Trader-wise
2023-24

Sl. No.	Name of Trading Licensee	Average Purchase Price (Rs.)	Average Sale Price (Rs.)	Average Trading Margin (Rs.)
1	Adani Enterprises Ltd.	8.204	8.207	0.002
2	Ambitious Power Trading Company Ltd	7.676	7.678	0.002
3	Arunachal Pradesh Power Corporation Private Limited	0.145	0.145	0.001
4	Gita Power Infrastructured (P) Ltd.	7.984	7.994	0.010
5	GMR Energy Trading Ltd	7.027	7.083	0.056
6	Instinct Infra & Power Ltd.	8.388	8.443	0.055
7	Kreate Energy (I) Pvt. Ltd.	7.830	7.850	0.020
8	Manikaran Power Limited	6.808	6.809	0.029
9	NTPC Limited	2.630	2.700	0.070
10	NTPC Vidyut Vyapar Nigam Ltd.	6.735	6.768	0.032
11	PTC India Ltd.	7.877	7.905	0.027
12	Refex Industries Ltd.	8.480	8.500	0.020
13	Shubheksha Advisors Pvt. Ltd.	6.895	6.915	0.020
14	Shree Cement Ltd	9.654	9.654	0.000
15	SJVN Limited	5.100	5.130	0.030
16	Tata Power Trading Company Ltd.	6.968	6.996	0.028
	Grand Total	**6.502**	**6.526**	**0.026**

Table 12.7
Volume Of Electricity Traded Sale Price-Wise
2023-24

Sale Price (Rs)	Volume (GWh)	% of Total Volume
0.00-1.000	65.97	**0.27**
1.001-2.000	0.00	**0.00**
2.001-3.000	479.28	**1.96**
3.001-4.000	26.31	**0.11**
4.001-5.000	588.39	**2.41**
5.001-6.000	3407.06	**13.95**
6.001-7.000	4857.08	**19.88**
7.001-8.000	6926.25	**28.35**
8.001-9.000	5796.99	**23.73**
9.001-10.000	1621.57	**6.64**
10.001-11.000	390.51	**1.60**
11.001-12.000	272.51	**1.12**
Total	**24431.93**	**100.00**

APPENDIX-A

List of Thermal Power Stations as on 31.03.2024

S.No.	Region	State	Sector	Organisation	Name of Project	Prime Mover	Unit No	Installed Capacity(MW)	Year of Comm.
1	NR	Delhi	Private Sector	TPDDL	RITHALA CCPP	GT-Gas	1	35.75	2010
	NR	Delhi	Private Sector	TPDDL	RITHALA CCPP	GT-Gas	2	35.75	2010
	NR	Delhi	Private Sector	TPDDL	RITHALA CCPP	GT-Gas	3	36.5	2011
2	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	1	30	1986
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	2	30	1986
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	3	30	1986
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	4	30	1986
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	5	30	1986
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	6	30	1986
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	7	30	1995
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	8	30	1995
	NR	Delhi	State Sector	IPGCL	I.P.CCPP	GT-Gas	9	30	1996
3	NR	Delhi	State Sector	PPCL	PRAGATI CCGT-III	GT-Gas	1	250	2010
	NR	Delhi	State Sector	PPCL	PRAGATI CCGT-III	GT-Gas	2	250	2011
	NR	Delhi	State Sector	PPCL	PRAGATI CCGT-III	GT-Gas	3	250	2012
	NR	Delhi	State Sector	PPCL	PRAGATI CCGT-III	GT-Gas	4	250	2012
	NR	Delhi	State Sector	PPCL	PRAGATI CCGT-III	GT-Gas	5	250	2013
	NR	Delhi	State Sector	PPCL	PRAGATI CCGT-III	GT-Gas	6	250	2014
4	NR	Delhi	State Sector	PPCL	PRAGATI CCPP	GT-Gas	1	104.6	2002
	NR	Delhi	State Sector	PPCL	PRAGATI CCPP	GT-Gas	2	104.6	2002
	NR	Delhi	State Sector	PPCL	PRAGATI CCPP	GT-Gas	3	121.2	2003
	NR	**Delhi Total**						**2208.4**	
5	NR	Haryana	Central Sector	APCPL	INDIRA GANDHI STPP	Steam	1	500	2010
	NR	Haryana	Central Sector	APCPL	INDIRA GANDHI STPP	Steam	2	500	2011
	NR	Haryana	Central Sector	APCPL	INDIRA GANDHI STPP	Steam	3	500	2012
6	NR	Haryana	Central Sector	NTPC	FARIDABAD CCPP	GT-Gas	1	137.76	1999
	NR	Haryana	Central Sector	NTPC	FARIDABAD CCPP	GT-Gas	2	137.76	1999
	NR	Haryana	Central Sector	NTPC	FARIDABAD CCPP	GT-Gas	3	156.07	2000
7	NR	Haryana	Private Sector	JhPL(HR)	MAHATMA GANDHI TPS	Steam	1	660	2012
	NR	Haryana	Private Sector	JhPL(HR)	MAHATMA GANDHI TPS	Steam	2	660	2012
8	NR	Haryana	State Sector	HPGCL	PANIPAT TPS	Steam	6	210	2001
	NR	Haryana	State Sector	HPGCL	PANIPAT TPS	Steam	7	250	2004
	NR	Haryana	State Sector	HPGCL	PANIPAT TPS	Steam	8	250	2005
9	NR	Haryana	State Sector	HPGCL	RAJIV GANDHI TPS	Steam	1	600	2010
	NR	Haryana	State Sector	HPGCL	RAJIV GANDHI TPS	Steam	2	600	2010
10	NR	Haryana	State Sector	HPGCL	YAMUNA NAGAR TPS	Steam	1	300	2007
	NR	Haryana	State Sector	HPGCL	YAMUNA NAGAR TPS	Steam	2	300	2008
	NR	**Haryana Total**						**5761.59**	
11	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	1	25	1989
	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	2	25	1989
	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	3	25	1989
	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	4	25	1994
	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	5	25	1994
	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	6	25	1994
	NR	Jammu & Kashmir	State Sector	JKSPDC	PAMPORE GPS (Liq.)	GT-Gas	7	25	1995
	NR	**Jammu & Kashmir Total**						**175**	
12	NR	Punjab	Private Sector	GPGSL (GVK)	GOINDWAL SAHIB TPP	Steam	1	270	2016
	NR	Punjab	Private Sector	GPGSL (GVK)	GOINDWAL SAHIB TPP	Steam	2	270	2016
13	NR	Punjab	Private Sector	NPL	RAJPURA TPP	Steam	1	700	2014
	NR	Punjab	Private Sector	NPL	RAJPURA TPP	Steam	2	700	2014
14	NR	Punjab	Private Sector	TSPL	TALWANDI SABO TPP	Steam	1	660	2014
	NR	Punjab	Private Sector	TSPL	TALWANDI SABO TPP	Steam	2	660	2015
	NR	Punjab	Private Sector	TSPL	TALWANDI SABO TPP	Steam	3	660	2016
15	NR	Punjab	State Sector	PSPCL	GH TPS (LEH.MOH.)	Steam	1	210	1997
	NR	Punjab	State Sector	PSPCL	GH TPS (LEH.MOH.)	Steam	2	210	1998
	NR	Punjab	State Sector	PSPCL	GH TPS (LEH.MOH.)	Steam	3	250	2008
	NR	Punjab	State Sector	PSPCL	GH TPS (LEH.MOH.)	Steam	4	250	2008
16	NR	Punjab	State Sector	PSPCL	ROPAR TPS	Steam	3	210	1988
	NR	Punjab	State Sector	PSPCL	ROPAR TPS	Steam	4	210	1989
	NR	Punjab	State Sector	PSPCL	ROPAR TPS	Steam	5	210	1992
	NR	Punjab	State Sector	PSPCL	ROPAR TPS	Steam	6	210	1993
	NR	**Punjab Total**						**5680**	
17	NR	Rajasthan	Central Sector	NLC	BARSINGSAR LIGNITE	Steam	1	125	2010
	NR	Rajasthan	Central Sector	NLC	BARSINGSAR LIGNITE	Steam	2	125	2011
18	NR	Rajasthan	Central Sector	NTPC	ANTA CCPP	GT-Gas	1	88.71	1989
	NR	Rajasthan	Central Sector	NTPC	ANTA CCPP	GT-Gas	2	88.71	1989
	NR	Rajasthan	Central Sector	NTPC	ANTA CCPP	GT-Gas	3	88.71	1989
	NR	Rajasthan	Central Sector	NTPC	ANTA CCPP	GT-Gas	4	153.2	1989
19	NR	Rajasthan	Private Sector	APL	ADANI POWER LIMITED KAWAI TPP	Steam	1	660	2013
	NR	Rajasthan	Private Sector	APL	ADANI POWER LIMITED KAWAI TPP	Steam	2	660	2013
20	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	1	135	2009
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	2	135	2010
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	3	135	2011
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	4	135	2011
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	5	135	2013
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	6	135	2013
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	7	135	2013
	NR	Rajasthan	Private Sector	JSWBL	JALIPA KAPURDI TPP	Steam	8	135	2013
21	NR	Rajasthan	Private Sector	SCL	SHREE CEMENT LTD TPS	Steam	1	150	2011
	NR	Rajasthan	Private Sector	SCL	SHREE CEMENT LTD TPS	Steam	2	150	2012
22	NR	Rajasthan	State Sector	RRVUNL	CHHABRA-I PH-1 TPP	Steam	1	250	2009
	NR	Rajasthan	State Sector	RRVUNL	CHHABRA-I PH-1 TPP	Steam	2	250	2010
23	NR	Rajasthan	State Sector	RRVUNL	CHHABRA-I PH-2 TPP	Steam	3	250	2013

	NR	Rajasthan	State Sector	RRVUNL	CHHABRA-I PH-2 TPP	Steam	4	250	2014
24	NR	Rajasthan	State Sector	RRVUNL	CHHABRA-II TPP	Steam	5	660	2017
	NR	Rajasthan	State Sector	RRVUNL	CHHABRA-II TPP	Steam	6	660	2019
25	NR	Rajasthan	State Sector	RRVUNL	DHOLPUR CCPP	GT-Gas	1	110	2007
	NR	Rajasthan	State Sector	RRVUNL	DHOLPUR CCPP	GT-Gas	2	110	2007
	NR	Rajasthan	State Sector	RRVUNL	DHOLPUR CCPP	GT-Gas	3	110	2007
26	NR	Rajasthan	State Sector	RRVUNL	GIRAL TPS	Steam	1	125	2007
	NR	Rajasthan	State Sector	RRVUNL	GIRAL TPS	Steam	2	125	2009
27	NR	Rajasthan	State Sector	RRVUNL	KALISINDH TPS	Steam	1	600	2014
	NR	Rajasthan	State Sector	RRVUNL	KALISINDH TPS	Steam	2	600	2015
28	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	1	110	1983
	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	2	110	1983
	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	3	210	1988
	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	4	210	1989
	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	5	210	1994
	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	6	195	2003
	NR	Rajasthan	State Sector	RRVUNL	KOTA TPS	Steam	7	195	2009
29	NR	Rajasthan	State Sector	RRVUNL	RAMGARH CCPP	GT-Gas	1	3	1994
	NR	Rajasthan	State Sector	RRVUNL	RAMGARH CCPP	GT-Gas	2	35.5	1996
	NR	Rajasthan	State Sector	RRVUNL	RAMGARH CCPP	GT-Gas	3	37.5	2002
	NR	Rajasthan	State Sector	RRVUNL	RAMGARH CCPP	GT-Gas	4	37.5	2003
	NR	Rajasthan	State Sector	RRVUNL	RAMGARH CCPP	GT-Gas	5	110	2013
	NR	Rajasthan	State Sector	RRVUNL	RAMGARH CCPP	GT-Gas	6	50	2014
30	NR	Rajasthan	State Sector	RRVUNL	SURATGARH STPS	Steam	7	660	2020
	NR	Rajasthan	State Sector	RRVUNL	SURATGARH STPS	Steam	8	660	2021
31	NR	Rajasthan	State Sector	RRVUNL	SURATGARH TPS	Steam	1	250	1998
	NR	Rajasthan	State Sector	RRVUNL	SURATGARH TPS	Steam	2	250	2000
	NR	Rajasthan	State Sector	RRVUNL	SURATGARH TPS	Steam	3	250	2001
	NR	Rajasthan	State Sector	RRVUNL	SURATGARH TPS	Steam	4	250	2002
	NR	Rajasthan	State Sector	RRVUNL	SURATGARH TPS	Steam	5	250	2003
	NR	Rajasthan	State Sector	RRVUNL	SURATGARH TPS	Steam	6	250	2009
	NR	**Rajasthan Total**						**11802.83**	
32	NR	Uttar Pradesh	Central Sector	MUNPL	MEJA STPP	Steam	1	660	2018
	NR	Uttar Pradesh	Central Sector	MUNPL	MEJA STPP	Steam	2	660	2021
33	NR	Uttar Pradesh	Central Sector	NTPC	AURAIYA CCPP	GT-Gas	1	111.19	1989
	NR	Uttar Pradesh	Central Sector	NTPC	AURAIYA CCPP	GT-Gas	2	111.19	1989
	NR	Uttar Pradesh	Central Sector	NTPC	AURAIYA CCPP	GT-Gas	3	111.19	1989
	NR	Uttar Pradesh	Central Sector	NTPC	AURAIYA CCPP	GT-Gas	4	111.19	1989
	NR	Uttar Pradesh	Central Sector	NTPC	AURAIYA CCPP	GT-Gas	5	109.3	1989
	NR	Uttar Pradesh	Central Sector	NTPC	AURAIYA CCPP	GT-Gas	6	109.3	1990
34	NR	Uttar Pradesh	Central Sector	NTPC	DADRI (NCTPP)	Steam	1	210	1991
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI (NCTPP)	Steam	2	210	1992
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI (NCTPP)	Steam	3	210	1993
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI (NCTPP)	Steam	4	210	1994
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI (NCTPP)	Steam	5	490	2010
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI (NCTPP)	Steam	6	490	2010
35	NR	Uttar Pradesh	Central Sector	NTPC	DADRI CCPP	GT-Gas	1	130.19	1992
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI CCPP	GT-Gas	2	130.19	1992
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI CCPP	GT-Gas	3	130.19	1992
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI CCPP	GT-Gas	4	130.19	1992
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI CCPP	GT-Gas	5	154.51	1994
	NR	Uttar Pradesh	Central Sector	NTPC	DADRI CCPP	GT-Gas	6	154.51	1994
36	NR	Uttar Pradesh	Central Sector	NTPC	RIHAND STPS	Steam	1	500	1988
	NR	Uttar Pradesh	Central Sector	NTPC	RIHAND STPS	Steam	2	500	1989
	NR	Uttar Pradesh	Central Sector	NTPC	RIHAND STPS	Steam	3	500	2005
	NR	Uttar Pradesh	Central Sector	NTPC	RIHAND STPS	Steam	4	500	2005
	NR	Uttar Pradesh	Central Sector	NTPC	RIHAND STPS	Steam	5	500	2012
	NR	Uttar Pradesh	Central Sector	NTPC	RIHAND STPS	Steam	6	500	2013
37	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	1	200	1982
	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	2	200	1982
	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	3	200	1983
	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	4	200	1983
	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	5	200	1984
	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	6	500	1986
	NR	Uttar Pradesh	Central Sector	NTPC	SINGRAULI STPS	Steam	7	500	1987
38	NR	Uttar Pradesh	Central Sector	NTPC	TANDA TPS	Steam	1	110	1988
	NR	Uttar Pradesh	Central Sector	NTPC	TANDA TPS	Steam	2	110	1989
	NR	Uttar Pradesh	Central Sector	NTPC	TANDA TPS	Steam	3	110	1990
	NR	Uttar Pradesh	Central Sector	NTPC	TANDA TPS	Steam	4	110	1998
	NR	Uttar Pradesh	Central Sector	NTPC	TANDA TPS	Steam	5	660	2019
	NR	Uttar Pradesh	Central Sector	NTPC	TANDA TPS	Steam	6	660	2021
39	NR	Uttar Pradesh	Central Sector	NTPC	UNCHAHAR TPS	Steam	1	210	1988
	NR	Uttar Pradesh	Central Sector	NTPC	UNCHAHAR TPS	Steam	2	210	1989
	NR	Uttar Pradesh	Central Sector	NTPC	UNCHAHAR TPS	Steam	3	210	1999
	NR	Uttar Pradesh	Central Sector	NTPC	UNCHAHAR TPS	Steam	4	210	1999
	NR	Uttar Pradesh	Central Sector	NTPC	UNCHAHAR TPS	Steam	5	210	2006
	NR	Uttar Pradesh	Central Sector	NTPC	UNCHAHAR TPS	Steam	6	500	2017
40	NR	Uttar Pradesh	Private Sector	BEPL	BARKHERA TPS	Steam	1	45	2011
	NR	Uttar Pradesh	Private Sector	BEPL	BARKHERA TPS	Steam	2	45	2012
41	NR	Uttar Pradesh	Private Sector	BEPL	KHAMBARKHERA TPS	Steam	1	45	2011
	NR	Uttar Pradesh	Private Sector	BEPL	KHAMBARKHERA TPS	Steam	2	45	2011
42	NR	Uttar Pradesh	Private Sector	BEPL	KUNDARKI TPS	Steam	1	45	2012
	NR	Uttar Pradesh	Private Sector	BEPL	KUNDARKI TPS	Steam	2	45	2012
43	NR	Uttar Pradesh	Private Sector	BEPL	MAQSOODPUR TPS	Steam	1	45	2011
	NR	Uttar Pradesh	Private Sector	BEPL	MAQSOODPUR TPS	Steam	2	45	2012
44	NR	Uttar Pradesh	Private Sector	BEPL	UTRAULA TPS	Steam	1	45	2012
	NR	Uttar Pradesh	Private Sector	BEPL	UTRAULA TPS	Steam	2	45	2012

45	NR	Uttar Pradesh	Private Sector	LAPPL	ANPARA C TPS	Steam	1	600	2011
	NR	Uttar Pradesh	Private Sector	LAPPL	ANPARA C TPS	Steam	2	600	2011
46	NR	Uttar Pradesh	Private Sector	LPGCL	LALITPUR TPS	Steam	1	660	2016
	NR	Uttar Pradesh	Private Sector	LPGCL	LALITPUR TPS	Steam	2	660	2016
	NR	Uttar Pradesh	Private Sector	LPGCL	LALITPUR TPS	Steam	3	660	2016
47	NR	Uttar Pradesh	Private Sector	PPGCL (Jaypee)	PRAYAGRAJ TPP	Steam	1	660	2015
	NR	Uttar Pradesh	Private Sector	PPGCL (Jaypee)	PRAYAGRAJ TPP	Steam	2	660	2016
	NR	Uttar Pradesh	Private Sector	PPGCL (Jaypee)	PRAYAGRAJ TPP	Steam	3	660	2017
48	NR	Uttar Pradesh	Private Sector	RPSCL	ROSA TPP Ph-I	Steam	1	300	2010
	NR	Uttar Pradesh	Private Sector	RPSCL	ROSA TPP Ph-I	Steam	2	300	2010
	NR	Uttar Pradesh	Private Sector	RPSCL	ROSA TPP Ph-I	Steam	3	300	2011
	NR	Uttar Pradesh	Private Sector	RPSCL	ROSA TPP Ph-I	Steam	4	300	2012
49	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	1	210	1986
	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	2	210	1987
	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	3	210	1988
	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	4	500	1993
	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	5	500	1994
	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	6	500	2015
	NR	Uttar Pradesh	State Sector	UPRVUNL	ANPARA TPS	Steam	7	500	2016
50	NR	Uttar Pradesh	State Sector	UPRVUNL	HARDUAGANJ TPS	Steam	7	105	1978
	NR	Uttar Pradesh	State Sector	UPRVUNL	HARDUAGANJ TPS	Steam	8	250	2011
	NR	Uttar Pradesh	State Sector	UPRVUNL	HARDUAGANJ TPS	Steam	9	250	2012
	NR	Uttar Pradesh	State Sector	UPRVUNL	HARDUAGANJ TPS	Steam	10	660	2022
51	NR	Uttar Pradesh	State Sector	UPRVUNL	JAWAHARPUR STPP	Steam	1	660	2024
52	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Steam	7	0	1974
	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Steam	9	200	1980
	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Steam	10	200	1979
	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Steam	11	200	1977
	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Steam	12	200	1981
	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA TPS	Steam	13	200	1982
53	NR	Uttar Pradesh	State Sector	UPRVUNL	OBRA-C STPP	Steam	1	660	2024
54	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Steam	1	0	1984
	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Steam	2	0	1985
	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Steam	3	210	2006
	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Steam	4	210	2006
	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Steam	5	250	2012
	NR	Uttar Pradesh	State Sector	UPRVUNL	PARICHHA TPS	Steam	6	250	2013
	NR	**Uttar Pradesh Total**						**26888.14**	
55	NR	Uttarakhand	Private Sector	GIPL	GAMA CCPP	GT-Gas	1	225	2016
56	NR	Uttarakhand	Private Sector	SEPL	SRAVANTHI CCPP	GT-Gas	1	225	2016
	NR	Uttarakhand	Private Sector	SEPL	SRAVANTHI CCPP	GT-Gas	2	214	2023
	NR	**Uttarakhand Total**						**664**	
	NR	**Northern Region Total**						**53179.96**	
	WR	Chhattisgarh	Central Sector	NSPCL				500	
57	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	1	200	1983
	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	2	200	1983
	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	3	200	1984
	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	4	500	1987
	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	5	500	1988
	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	6	500	1989
	WR	Chhattisgarh	Central Sector	NTPC	KORBA STPS	Steam	7	500	2010
58	WR	Chhattisgarh	Central Sector	NTPC	LARA TPP	Steam	1	800	2018
	WR	Chhattisgarh	Central Sector	NTPC	LARA TPP	Steam	2	800	2020
59	WR	Chhattisgarh	Central Sector	NTPC	SIPAT STPS	Steam	1	660	2011
	WR	Chhattisgarh	Central Sector	NTPC	SIPAT STPS	Steam	2	660	2011
	WR	Chhattisgarh	Central Sector	NTPC	SIPAT STPS	Steam	3	660	2012
	WR	Chhattisgarh	Central Sector	NTPC	SIPAT STPS	Steam	4	500	2007
	WR	Chhattisgarh	Central Sector	NTPC	SIPAT STPS	Steam	5	500	2008
60	WR	Chhattisgarh	Private Sector	ACB	CHAKABURA TPP	Steam	2	30	2014
61	WR	Chhattisgarh	Private Sector	ACB	KASAIPALLI TPP	Steam	1	135	2011
	WR	Chhattisgarh	Private Sector	ACB	KASAIPALLI TPP	Steam	2	135	2012
62	WR	Chhattisgarh	Private Sector	ACB	SWASTIK KORBA TPP	Steam	1	25	2015
63	WR	Chhattisgarh	Private Sector	APL	ADANI POWER LIMITED RAIGARH T	Steam	1	600	2014
64	WR	Chhattisgarh	Private Sector	APL	ADANI POWER LIMITED RAIPUR TP	Steam	1	685	2015
	WR	Chhattisgarh	Private Sector	APL	ADANI POWER LIMITED RAIPUR TP	Steam	2	685	2016
65	WR	Chhattisgarh	Private Sector	BALCO	BALCO TPS	Steam	1	300	2015
	WR	Chhattisgarh	Private Sector	BALCO	BALCO TPS	Steam	2	300	2016
66	WR	Chhattisgarh	Private Sector	DBPCL	BARADARHA TPS	Steam	1	600	2014
	WR	Chhattisgarh	Private Sector	DBPCL	BARADARHA TPS	Steam	2	600	2015
67	WR	Chhattisgarh	Private Sector	JPL	OP JINDAL TPS	Steam	1	250	2007
	WR	Chhattisgarh	Private Sector	JPL	OP JINDAL TPS	Steam	2	250	2008
	WR	Chhattisgarh	Private Sector	JPL	OP JINDAL TPS	Steam	3	250	2008
	WR	Chhattisgarh	Private Sector	JPL	OP JINDAL TPS	Steam	4	250	2008
68	WR	Chhattisgarh	Private Sector	JPL	TAMNAR TPP	Steam	1	600	2014
	WR	Chhattisgarh	Private Sector	JPL	TAMNAR TPP	Steam	2	600	2014
	WR	Chhattisgarh	Private Sector	JPL	TAMNAR TPP	Steam	3	600	2015
	WR	Chhattisgarh	Private Sector	JPL	TAMNAR TPP	Steam	4	600	2015
69	WR	Chhattisgarh	Private Sector	LANCO	PATHADI TPP	Steam	1	300	2009
	WR	Chhattisgarh	Private Sector	LANCO	PATHADI TPP	Steam	2	300	2010
70	WR	Chhattisgarh	Private Sector	MCCPL	BANDAKHAR TPP	Steam	1	300	2015
71	WR	Chhattisgarh	Private Sector	RKMPPL	UCHPINDA TPP	Steam	1	360	2015
	WR	Chhattisgarh	Private Sector	RKMPPL	UCHPINDA TPP	Steam	2	360	2016
	WR	Chhattisgarh	Private Sector	RKMPPL	UCHPINDA TPP	Steam	3	360	2017
	WR	Chhattisgarh	Private Sector	RKMPPL	UCHPINDA TPP	Steam	4	360	2019
72	WR	Chhattisgarh	Private Sector	SCPL	RATIJA TPS	Steam	1	50	2013
	WR	Chhattisgarh	Private Sector	SCPL	RATIJA TPS	Steam	2	50	2016
73	WR	Chhattisgarh	Private Sector	SKS	BINJKOTE TPP	Steam	1	300	2018

	WR	Chhattisgarh	Private Sector	SKS	BINJKOTE TPP	Steam	2	300	2017
74	WR	Chhattisgarh	Private Sector	SVPPL	SVPL TPP	Steam	1	63	2011
75	WR	Chhattisgarh	Private Sector	TRNE	NAWAPARA TPP	Steam	1	300	2016
	WR	Chhattisgarh	Private Sector	TRNE	NAWAPARA TPP	Steam	2	300	2017
76	WR	Chhattisgarh	Private Sector	VESPL	KATGHORA TPP	Steam	1	35	2012
77	WR	Chhattisgarh	Private Sector	VVL	SALORA TPP	Steam	1	135	2014
78	WR	Chhattisgarh	Private Sector	WPCL	AKALTARA TPS	Steam	2	600	2018
	WR	Chhattisgarh	Private Sector	WPCL	AKALTARA TPS	Steam	3	600	2013
	WR	Chhattisgarh	Private Sector	WPCL	AKALTARA TPS	Steam	4	600	2014
79	WR	Chhattisgarh	State Sector	CSPGCL	DSPM TPS	Steam	1	250	2007
	WR	Chhattisgarh	State Sector	CSPGCL	DSPM TPS	Steam	2	250	2007
80	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Steam	1	210	1984
	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Steam	2	210	1983
	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Steam	3	210	1985
	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Steam	4	210	1986
	WR	Chhattisgarh	State Sector	CSPGCL	KORBA-WEST TPS	Steam	5	500	2013
81	WR	Chhattisgarh	State Sector	CSPGCL	MARWA TPS	Steam	1	500	2014
	WR	Chhattisgarh	State Sector	CSPGCL	MARWA TPS	Steam	2	500	2016
	WR	**Chhattisgarh Total**						**23688**	
82	WR	Goa	Private Sector	RELIANCE	GOA CCPP (Liq.)	GT-Gas	1	48	1999
	WR	**Goa Total**						**48**	
83	WR	Gujarat	Central Sector	NTPC	GANDHAR CCPP	GT-Gas	1	144.3	1994
	WR	Gujarat	Central Sector	NTPC	GANDHAR CCPP	GT-Gas	2	144.3	1994
	WR	Gujarat	Central Sector	NTPC	GANDHAR CCPP	GT-Gas	3	144.3	1994
	WR	Gujarat	Central Sector	NTPC	GANDHAR CCPP	GT-Gas	4	224.49	1995
84	WR	Gujarat	Central Sector	NTPC	KAWAS CCPP	GT-Gas	1	106	1992
	WR	Gujarat	Central Sector	NTPC	KAWAS CCPP	GT-Gas	2	106	1992
	WR	Gujarat	Central Sector	NTPC	KAWAS CCPP	GT-Gas	3	106	1992
	WR	Gujarat	Central Sector	NTPC	KAWAS CCPP	GT-Gas	4	106	1992
	WR	Gujarat	Central Sector	NTPC	KAWAS CCPP	GT-Gas	5	116.1	1993
	WR	Gujarat	Central Sector	NTPC	KAWAS CCPP	GT-Gas	6	116.1	1993
85	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	1	330	2009
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	2	330	2010
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	3	330	2010
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	4	330	2010
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	5	660	2010
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	6	660	2011
86	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	7	660	2011
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	8	660	2012
	WR	Gujarat	Private Sector	APL	ADANI POWER LIMITED MUNDRA T	Steam	9	660	2012
87	WR	Gujarat	Private Sector	CGPL	MUNDRA UMTPP	Steam	1	800	2012
	WR	Gujarat	Private Sector	CGPL	MUNDRA UMTPP	Steam	2	800	2012
	WR	Gujarat	Private Sector	CGPL	MUNDRA UMTPP	Steam	3	800	2012
	WR	Gujarat	Private Sector	CGPL	MUNDRA UMTPP	Steam	4	800	2013
	WR	Gujarat	Private Sector	CGPL	MUNDRA UMTPP	Steam	5	800	2013
88	WR	Gujarat	Private Sector	CLPINDIA	PEGUTHAN CCPP	GT-Gas	1	135	1997
	WR	Gujarat	Private Sector	CLPINDIA	PEGUTHAN CCPP	GT-Gas	2	135	1997
	WR	Gujarat	Private Sector	CLPINDIA	PEGUTHAN CCPP	GT-Gas	3	135	1998
	WR	Gujarat	Private Sector	CLPINDIA	PEGUTHAN CCPP	GT-Gas	4	250	1998
89	WR	Gujarat	Private Sector	EPGL	SALAYA TPP	Steam	1	600	2012
	WR	Gujarat	Private Sector	EPGL	SALAYA TPP	Steam	2	600	2012
90	WR	Gujarat	Private Sector	ESSAR	ESSAR CCPP	GT-Gas	1	110	1995
	WR	Gujarat	Private Sector	ESSAR	ESSAR CCPP	GT-Gas	2	110	1995
	WR	Gujarat	Private Sector	ESSAR	ESSAR CCPP	GT-Gas	3	110	1995
	WR	Gujarat	Private Sector	ESSAR	ESSAR CCPP	GT-Gas	4	185	1997
91	WR	Gujarat	Private Sector	GIPCL	BARODA CCPP	GT-Gas	5	106	1997
	WR	Gujarat	Private Sector	GIPCL	BARODA CCPP	GT-Gas	6	54	1997
92	WR	Gujarat	Private Sector	GIPCL	SURAT LIG. TPS	Steam	1	125	2000
	WR	Gujarat	Private Sector	GIPCL	SURAT LIG. TPS	Steam	2	125	1999
	WR	Gujarat	Private Sector	GIPCL	SURAT LIG. TPS	Steam	3	125	2010
	WR	Gujarat	Private Sector	GIPCL	SURAT LIG. TPS	Steam	4	125	2010
93	WR	Gujarat	Private Sector	TOR. POW. (SUGEN)	SUGEN CCPP	GT-Gas	1	382.5	2009
	WR	Gujarat	Private Sector	TOR. POW. (SUGEN)	SUGEN CCPP	GT-Gas	2	382.5	2009
	WR	Gujarat	Private Sector	TOR. POW. (SUGEN)	SUGEN CCPP	GT-Gas	3	382.5	2009
94	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	DGEN MEGA CCPP	GT-Gas	1	400	2014
	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	DGEN MEGA CCPP	GT-Gas	2	400	2014
	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	DGEN MEGA CCPP	GT-Gas	3	400	2014
95	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	SABARMATI (D-F STATIONS)	Steam	1	120	1978
	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	SABARMATI (D-F STATIONS)	Steam	2	121	1984
	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	SABARMATI (D-F STATIONS)	Steam	3	121	1988
96	WR	Gujarat	Private Sector	TOR. POW. (UNOSUGEN)	UNOSUGEN CCPP	GT-Gas	1	382.5	2013
97	WR	Gujarat	State Sector	GMDCL	AKRIMOTA LIG TPS	Steam	1	125	2005
	WR	Gujarat	State Sector	GMDCL	AKRIMOTA LIG TPS	Steam	2	125	2005
98	WR	Gujarat	State Sector	GPPCL	PIPAVAV CCPP	GT-Gas	1	351	2014
	WR	Gujarat	State Sector	GPPCL	PIPAVAV CCPP	GT-Gas	2	351	2013
99	WR	Gujarat	State Sector	GSECL	BHAVNAGAR CFBC TPP	Steam	1	250	2016
	WR	Gujarat	State Sector	GSECL	BHAVNAGAR CFBC TPP	Steam	2	250	2017
100	WR	Gujarat	State Sector	GSECL	DHUVARAN CCPP	GT-Gas	1	67.85	2003
	WR	Gujarat	State Sector	GSECL	DHUVARAN CCPP	GT-Gas	2	38.77	2003
	WR	Gujarat	State Sector	GSECL	DHUVARAN CCPP	GT-Gas	3	72	2006
	WR	Gujarat	State Sector	GSECL	DHUVARAN CCPP	GT-Gas	4	40	2007
	WR	Gujarat	State Sector	GSECL	DHUVARAN CCPP	GT-Gas	5	376.1	2014
101	WR	Gujarat	State Sector	GSECL	GANDHI NAGAR TPS	Steam	3	210	1990
	WR	Gujarat	State Sector	GSECL	GANDHI NAGAR TPS	Steam	4	210	1991
	WR	Gujarat	State Sector	GSECL	GANDHI NAGAR TPS	Steam	5	210	1998
102	WR	Gujarat	State Sector	GSECL	KUTCH LIG. TPS	Steam	3	75	1997
	WR	Gujarat	State Sector	GSECL	KUTCH LIG. TPS	Steam	4	75	2009

103	WR	Gujarat	State Sector	GSECL	SIKKA REP. TPS	Steam	3	250	2015
	WR	Gujarat	State Sector	GSECL	SIKKA REP. TPS	Steam	4	250	2015
104	WR	Gujarat	State Sector	GSECL	UKAI TPS	Steam	3	200	1979
	WR	Gujarat	State Sector	GSECL	UKAI TPS	Steam	4	200	1979
	WR	Gujarat	State Sector	GSECL	UKAI TPS	Steam	5	210	1985
	WR	Gujarat	State Sector	GSECL	UKAI TPS	Steam	6	500	2013
105	WR	Gujarat	State Sector	GSECL	UTRAN CCPP	GT-Gas	5	240	2009
	WR	Gujarat	State Sector	GSECL	UTRAN CCPP	GT-Gas	6	134	2009
106	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	1	210	1982
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	2	210	1983
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	3	210	1984
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	4	210	1986
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	5	210	1986
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	6	210	1987
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	7	210	1998
	WR	Gujarat	State Sector	GSECL	WANAKBORI TPS	Steam	8	800	2019
107	WR	Gujarat	State Sector	GSEGL	HAZIRA CCPP	GT-Gas	1	52	2001
	WR	Gujarat	State Sector	GSEGL	HAZIRA CCPP	GT-Gas	2	52	2001
	WR	Gujarat	State Sector	GSEGL	HAZIRA CCPP	GT-Gas	3	52.1	2002
108	WR	Gujarat	State Sector	GSEGL	HAZIRA CCPP EXT	GT-Gas	1	351	2012
	WR	**Gujarat Total**						**23643.41**	
109	WR	Madhya Pradesh	Central Sector	JHAPL	SEIONI TPP	Steam	1	600	2016
110	WR	Madhya Pradesh	Central Sector	NTPC	GADARWARA TPP	Steam	1	800	2019
	WR	Madhya Pradesh	Central Sector	NTPC	GADARWARA TPP	Steam	2	800	2021
111	WR	Madhya Pradesh	Central Sector	NTPC	KHARGONE STPP	Steam	1	660	2019
	WR	Madhya Pradesh	Central Sector	NTPC	KHARGONE STPP	Steam	2	660	2020
112	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	1	210	1987
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	2	210	1988
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	3	210	1989
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	4	210	1989
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	5	210	1990
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	6	210	1991
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	7	500	1999
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	8	500	2000
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	9	500	2006
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	10	500	2007
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	11	500	2012
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	12	500	2013
	WR	Madhya Pradesh	Central Sector	NTPC	VINDHYACHAL STPS	Steam	13	500	2015
113	WR	Madhya Pradesh	Private Sector	BLAPPL	NIWARI TPP	Steam	1	45	2012
	WR	Madhya Pradesh	Private Sector	BLAPPL	NIWARI TPP	Steam	2	45	2017
114	WR	Madhya Pradesh	Private Sector	ESSARPMPL	MAHAN TPP	Steam	1	600	2013
	WR	Madhya Pradesh	Private Sector	ESSARPMPL	MAHAN TPP	Steam	2	600	2018
115	WR	Madhya Pradesh	Private Sector	JPPVL	BINA TPS	Steam	1	250	2012
	WR	Madhya Pradesh	Private Sector	JPPVL	BINA TPS	Steam	2	250	2013
116	WR	Madhya Pradesh	Private Sector	JPPVL	NIGRI TPP	Steam	1	660	2014
	WR	Madhya Pradesh	Private Sector	JPPVL	NIGRI TPP	Steam	2	660	2015
117	WR	Madhya Pradesh	Private Sector	MBPMPL	ANUPPUR TPP	Steam	1	625	2015
	WR	Madhya Pradesh	Private Sector	MBPMPL	ANUPPUR TPP	Steam	2	625	2016
118	WR	Madhya Pradesh	Private Sector	SPL	SASAN UMTPP	Steam	1	660	2013
	WR	Madhya Pradesh	Private Sector	SPL	SASAN UMTPP	Steam	2	660	2013
	WR	Madhya Pradesh	Private Sector	SPL	SASAN UMTPP	Steam	3	660	2014
	WR	Madhya Pradesh	Private Sector	SPL	SASAN UMTPP	Steam	4	660	2014
	WR	Madhya Pradesh	Private Sector	SPL	SASAN UMTPP	Steam	5	660	2014
	WR	Madhya Pradesh	Private Sector	SPL	SASAN UMTPP	Steam	6	660	2015
119	WR	Madhya Pradesh	State Sector	MPPGCL	AMARKANTAK EXT TPS	Steam	3	210	2008
120	WR	Madhya Pradesh	State Sector	MPPGCL	SANJAY GANDHI TPS	Steam	1	210	1993
	WR	Madhya Pradesh	State Sector	MPPGCL	SANJAY GANDHI TPS	Steam	2	210	1994
	WR	Madhya Pradesh	State Sector	MPPGCL	SANJAY GANDHI TPS	Steam	3	210	1999
	WR	Madhya Pradesh	State Sector	MPPGCL	SANJAY GANDHI TPS	Steam	4	210	1999
	WR	Madhya Pradesh	State Sector	MPPGCL	SANJAY GANDHI TPS	Steam	5	500	2007
121	WR	Madhya Pradesh	State Sector	MPPGCL	SATPURA TPS	Steam	6	200	1979
	WR	Madhya Pradesh	State Sector	MPPGCL	SATPURA TPS	Steam	7	210	1980
	WR	Madhya Pradesh	State Sector	MPPGCL	SATPURA TPS	Steam	8	210	1983
	WR	Madhya Pradesh	State Sector	MPPGCL	SATPURA TPS	Steam	9	210	1984
	WR	Madhya Pradesh	State Sector	MPPGCL	SATPURA TPS	Steam	10	250	2013
	WR	Madhya Pradesh	State Sector	MPPGCL	SATPURA TPS	Steam	11	250	2013
122	WR	Madhya Pradesh	State Sector	MPPGCL	SHREE SINGAJI TPP	Steam	1	600	2013
	WR	Madhya Pradesh	State Sector	MPPGCL	SHREE SINGAJI TPP	Steam	2	600	2014
	WR	Madhya Pradesh	State Sector	MPPGCL	SHREE SINGAJI TPP	Steam	3	660	2018
	WR	Madhya Pradesh	State Sector	MPPGCL	SHREE SINGAJI TPP	Steam	4	660	2019
	WR	**Madhya Pradesh Total**						**22000**	
123	WR	Maharashtra	Central Sector	NTPC	MAUDA TPS	Steam	1	500	2012
	WR	Maharashtra	Central Sector	NTPC	MAUDA TPS	Steam	2	500	2013
	WR	Maharashtra	Central Sector	NTPC	MAUDA TPS	Steam	3	660	2016
	WR	Maharashtra	Central Sector	NTPC	MAUDA TPS	Steam	4	660	2017
124	WR	Maharashtra	Central Sector	NTPC	SOLAPUR STPS	Steam	1	660	2017
	WR	Maharashtra	Central Sector	NTPC	SOLAPUR STPS	Steam	2	660	2019
125	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	1	205	1998
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	2	205	1998
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	3	230	1998
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	4	213	2006
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	5	213	2006
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	6	237.54	2006
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	7	213	2007
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	8	213	2007
	WR	Maharashtra	Central Sector	RGPPL	RATNAGIRI CCPP	GT-Gas	9	237.54	2007

126	WR	Maharashtra	Private Sector	AEML	DAHANU TPS	Steam	1	250	1995
	WR	Maharashtra	Private Sector	AEML	DAHANU TPS	Steam	2	250	1995
127	WR	Maharashtra	Private Sector	APL	ADANI POWER LIMITED TIRODA TP	Steam	1	660	2012
	WR	Maharashtra	Private Sector	APL	ADANI POWER LIMITED TIRODA TP	Steam	2	660	2013
	WR	Maharashtra	Private Sector	APL	ADANI POWER LIMITED TIRODA TP	Steam	3	660	2013
	WR	Maharashtra	Private Sector	APL	ADANI POWER LIMITED TIRODA TP	Steam	4	660	2014
	WR	Maharashtra	Private Sector	APL	ADANI POWER LIMITED TIRODA TP	Steam	5	660	2014
128	WR	Maharashtra	Private Sector	DIL	DHARIWAL TPP	Steam	1	300	2014
	WR	Maharashtra	Private Sector	DIL	DHARIWAL TPP	Steam	2	300	2014
129	WR	Maharashtra	Private Sector	GEPL	GEPL TPP Ph-I	Steam	1	60	2012
	WR	Maharashtra	Private Sector	GEPL	GEPL TPP Ph-I	Steam	2	60	2012
130	WR	Maharashtra	Private Sector	GMR ENERG	GMR WARORA TPS	Steam	1	300	2013
	WR	Maharashtra	Private Sector	GMR ENERG	GMR WARORA TPS	Steam	2	300	2013
131	WR	Maharashtra	Private Sector	IEPL	BELA TPS	Steam	1	270	2013
132	WR	Maharashtra	Private Sector	JSWEL	JSW RATNAGIRI TPP	Steam	1	300	2010
133	WR	Maharashtra	Private Sector	PGPL	MANGAON CCPP	GT-Gas	1	388	2016
134	WR	Maharashtra	Private Sector	RATTANINDIA	AMRAVATI TPS	Steam	1	270	2013
	WR	Maharashtra	Private Sector	RATTANINDIA	AMRAVATI TPS	Steam	2	270	2014
	WR	Maharashtra	Private Sector	RATTANINDIA	AMRAVATI TPS	Steam	3	270	2015
	WR	Maharashtra	Private Sector	RATTANINDIA	AMRAVATI TPS	Steam	4	270	2015
	WR	Maharashtra	Private Sector	RATTANINDIA	AMRAVATI TPS	Steam	5	270	2015
135	WR	Maharashtra	Private Sector	RPGPL	MIHAN TPS	Steam	1	61.5	2012
	WR	Maharashtra	Private Sector	RPGPL	MIHAN TPS	Steam	2	61.5	2012
	WR	Maharashtra	Private Sector	RPGPL	MIHAN TPS	Steam	3	61.5	2012
	WR	Maharashtra	Private Sector	RPGPL	MIHAN TPS	Steam	4	61.5	2012
136	WR	Maharashtra	Private Sector	SPPL	SHIRPUR TPP	Steam	1	150	2017
	WR	Maharashtra	Private Sector	SPPL	SHIRPUR TPP	Steam	2	150	2023
137	WR	Maharashtra	Private Sector	STPL	NASIK (P) TPS	Steam	1	270	2014
	WR	Maharashtra	Private Sector	STPL	NASIK (P) TPS	Steam	2	270	2017
	WR	Maharashtra	Private Sector	STPL	NASIK (P) TPS	Steam	3	270	2017
	WR	Maharashtra	Private Sector	STPL	NASIK (P) TPS	Steam	4	270	2017
	WR	Maharashtra	Private Sector	STPL	NASIK (P) TPS	Steam	5	270	2017
138	WR	Maharashtra	Private Sector	TATA PCL	TROMBAY CCPP	GT-Gas	1	120	1993
	WR	Maharashtra	Private Sector	TATA PCL	TROMBAY CCPP	GT-Gas	2	60	1994
139	WR	Maharashtra	Private Sector	TATA PCL	TROMBAY TPS	Steam	5	500	1984
	WR	Maharashtra	Private Sector	TATA PCL	TROMBAY TPS	Steam	8	250	2009
140	WR	Maharashtra	Private Sector	VIP	BUTIBORI TPP	Steam	1	300	2014
	WR	Maharashtra	Private Sector	VIP	BUTIBORI TPP	Steam	2	300	2012
141	WR	Maharashtra	Private Sector	WPCL	WARDHA WARORA TPP	Steam	1	135	2010
	WR	Maharashtra	Private Sector	WPCL	WARDHA WARORA TPP	Steam	2	135	2010
	WR	Maharashtra	Private Sector	WPCL	WARDHA WARORA TPP	Steam	3	135	2011
	WR	Maharashtra	Private Sector	WPCL	WARDHA WARORA TPP	Steam	4	135	2011
142	WR	Maharashtra	State Sector	MAHAGENCO	BHUSAWAL TPS	Steam	3	210	1982
	WR	Maharashtra	State Sector	MAHAGENCO	BHUSAWAL TPS	Steam	4	500	2012
	WR	Maharashtra	State Sector	MAHAGENCO	BHUSAWAL TPS	Steam	5	500	2012
143	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	3	210	1985
	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	4	210	1986
	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	5	500	1991
	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	6	500	1992
	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	7	500	1997
	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	8	500	2015
	WR	Maharashtra	State Sector	MAHAGENCO	CHANDRAPUR(MAHARASHTRA) STI	Steam	9	500	2016
144	WR	Maharashtra	State Sector	MAHAGENCO	KHAPARKHEDA TPS	Steam	1	210	1989
	WR	Maharashtra	State Sector	MAHAGENCO	KHAPARKHEDA TPS	Steam	2	210	1990
	WR	Maharashtra	State Sector	MAHAGENCO	KHAPARKHEDA TPS	Steam	3	210	2000
	WR	Maharashtra	State Sector	MAHAGENCO	KHAPARKHEDA TPS	Steam	4	210	2001
	WR	Maharashtra	State Sector	MAHAGENCO	KHAPARKHEDA TPS	Steam	5	500	2011
145	WR	Maharashtra	State Sector	MAHAGENCO	KORADI TPS	Steam	6	210	1982
	WR	Maharashtra	State Sector	MAHAGENCO	KORADI TPS	Steam	8	660	2015
	WR	Maharashtra	State Sector	MAHAGENCO	KORADI TPS	Steam	9	660	2016
	WR	Maharashtra	State Sector	MAHAGENCO	KORADI TPS	Steam	10	660	2016
146	WR	Maharashtra	State Sector	MAHAGENCO	NASIK TPS	Steam	3	210	1979
	WR	Maharashtra	State Sector	MAHAGENCO	NASIK TPS	Steam	4	210	1980
	WR	Maharashtra	State Sector	MAHAGENCO	NASIK TPS	Steam	5	210	1981
147	WR	Maharashtra	State Sector	MAHAGENCO	PARAS TPS	Steam	1	250	2007
	WR	Maharashtra	State Sector	MAHAGENCO	PARAS TPS	Steam	2	250	2010
148	WR	Maharashtra	State Sector	MAHAGENCO	PARLI TPS	Steam	6	250	2007
	WR	Maharashtra	State Sector	MAHAGENCO	PARLI TPS	Steam	7	250	2010
	WR	Maharashtra	State Sector	MAHAGENCO	PARLI TPS	Steam	8	250	2016
149	WR	Maharashtra	State Sector	MAHAGENCO	URAN CCPP	GT-Gas	5	108	1985
	WR	Maharashtra	State Sector	MAHAGENCO	URAN CCPP	GT-Gas	6	108	1985
	WR	Maharashtra	State Sector	MAHAGENCO	URAN CCPP	GT-Gas	7	108	1985
	WR	Maharashtra	State Sector	MAHAGENCO	URAN CCPP	GT-Gas	8	108	1985
	WR	Maharashtra	State Sector	MAHAGENCO	URAN CCPP	GT-Gas	9	120	1994
	WR	Maharashtra	State Sector	MAHAGENCO	URAN CCPP	GT-Gas	10	120	1994
	WR	**Maharashtra Total**						**27213.08**	
	WR	**Western Region Total**						**96592.49**	
150	SR	Andhra Pradesh	Central Sector	NTPC	SIMHADRI	Steam	1	500	2002
	SR	Andhra Pradesh	Central Sector	NTPC	SIMHADRI	Steam	2	500	2002
	SR	Andhra Pradesh	Central Sector	NTPC	SIMHADRI	Steam	3	500	2011
	SR	Andhra Pradesh	Central Sector	NTPC	SIMHADRI	Steam	4	500	2012
151	SR	Andhra Pradesh	Private Sector	APGPCL	VIJJESWARAM CCPP	GT-Gas	1	33	1990
	SR	Andhra Pradesh	Private Sector	APGPCL	VIJJESWARAM CCPP	GT-Gas	2	33	1991
	SR	Andhra Pradesh	Private Sector	APGPCL	VIJJESWARAM CCPP	GT-Gas	3	34	1992
	SR	Andhra Pradesh	Private Sector	APGPCL	VIJJESWARAM CCPP	GT-Gas	4	112	1997
	SR	Andhra Pradesh	Private Sector	APGPCL	VIJJESWARAM CCPP	GT-Gas	5	60	1997
152	SR	Andhra Pradesh	Private Sector	BSES AP	PEDDAPURAM CCPP	GT-Gas	1	142	2002

	SR	Andhra Pradesh	Private Sector	BSES AP	PEDDAPURAM CCPP	GT-Gas	2	78	2002
153	SR	Andhra Pradesh	Private Sector	GAUTAMI	GAUTAMI CCPP	GT-Gas	1	145	2009
	SR	Andhra Pradesh	Private Sector	GAUTAMI	GAUTAMI CCPP	GT-Gas	2	145	2009
	SR	Andhra Pradesh	Private Sector	GAUTAMI	GAUTAMI CCPP	GT-Gas	3	174	2009
154	SR	Andhra Pradesh	Private Sector	GMR ENERG	GMR Energy Ltd - Kakinada	GT-Gas	1	42.5	2001
	SR	Andhra Pradesh	Private Sector	GMR ENERG	GMR Energy Ltd - Kakinada	GT-Gas	2	42.5	2001
	SR	Andhra Pradesh	Private Sector	GMR ENERG	GMR Energy Ltd - Kakinada	GT-Gas	3	42.5	2001
	SR	Andhra Pradesh	Private Sector	GMR ENERG	GMR Energy Ltd - Kakinada	GT-Gas	4	42.5	2001
	SR	Andhra Pradesh	Private Sector	GMR ENERG	GMR Energy Ltd - Kakinada	GT-Gas	5	50	2001
155	SR	Andhra Pradesh	Private Sector	GREL	GREL CCPP (Rajahmundry)	GT-Gas	1	384	2015
	SR	Andhra Pradesh	Private Sector	GREL	GREL CCPP (Rajahmundry)	GT-Gas	2	384	2015
156	SR	Andhra Pradesh	Private Sector	GVKP&IL	JEGURUPADU CCPP PH II	GT-Gas	1	140	2005
	SR	Andhra Pradesh	Private Sector	GVKP&IL	JEGURUPADU CCPP PH II	GT-Gas	2	80	2005
157	SR	Andhra Pradesh	Private Sector	HNPC	VIZAG TPP	Steam	1	520	2015
	SR	Andhra Pradesh	Private Sector	HNPC	VIZAG TPP	Steam	2	520	2016
158	SR	Andhra Pradesh	Private Sector	KONA	KONASEEMA CCPP	GT-Gas	1	140	2009
	SR	Andhra Pradesh	Private Sector	KONA	KONASEEMA CCPP	GT-Gas	2	140	2009
	SR	Andhra Pradesh	Private Sector	KONA	KONASEEMA CCPP	GT-Gas	3	165	2010
159	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI CCPP	GT-Gas	1	118.654	2000
	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI CCPP	GT-Gas	2	121.285	2000
	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI CCPP	GT-Gas	3	128.205	2000
160	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI EXTN CCPP	GT-Gas	1	233	2009
	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI EXTN CCPP	GT-Gas	2	133	2010
161	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI ST-3 CCPP	GT-Gas	1	371	2015
	SR	Andhra Pradesh	Private Sector	KONDAPALI	KONDAPALLI ST-3 CCPP	GT-Gas	2	371	2015
162	SR	Andhra Pradesh	Private Sector	LVS POWER	LVS POWER DG	Diesel	1	18.4	2001
	SR	Andhra Pradesh	Private Sector	LVS POWER	LVS POWER DG	Diesel	2	18.4	2001
163	SR	Andhra Pradesh	Private Sector	MEL	THAMMINAPATNAM TPS	Steam	1	150	2012
	SR	Andhra Pradesh	Private Sector	MEL	THAMMINAPATNAM TPS	Steam	2	150	2013
164	SR	Andhra Pradesh	Private Sector	SEIL	PAINAMPURAM TPP	Steam	1	660	2015
	SR	Andhra Pradesh	Private Sector	SEIL	PAINAMPURAM TPP	Steam	2	660	2015
165	SR	Andhra Pradesh	Private Sector	SEIL	SGPL TPP	Steam	1	660	2016
	SR	Andhra Pradesh	Private Sector	SEIL	SGPL TPP	Steam	2	660	2017
166	SR	Andhra Pradesh	Private Sector	SEPL	SIMHAPURI TPS	Steam	1	150	2012
	SR	Andhra Pradesh	Private Sector	SEPL	SIMHAPURI TPS	Steam	2	150	2012
	SR	Andhra Pradesh	Private Sector	SEPL	SIMHAPURI TPS	Steam	3	150	2014
	SR	Andhra Pradesh	Private Sector	SEPL	SIMHAPURI TPS	Steam	4	150	2015
167	SR	Andhra Pradesh	Private Sector	SPGL	GODAVARI CCPP	GT-Gas	1	47	1997
	SR	Andhra Pradesh	Private Sector	SPGL	GODAVARI CCPP	GT-Gas	2	47	1997
	SR	Andhra Pradesh	Private Sector	SPGL	GODAVARI CCPP	GT-Gas	3	47	1997
	SR	Andhra Pradesh	Private Sector	SPGL	GODAVARI CCPP	GT-Gas	4	67	1998
168	SR	Andhra Pradesh	Private Sector	VEMAGIRI	VEMAGIRI CCPP	GT-Gas	1	233	2006
	SR	Andhra Pradesh	Private Sector	VEMAGIRI	VEMAGIRI CCPP	GT-Gas	2	137	2006
169	SR	Andhra Pradesh	State Sector	APEPDCL	JEGURUPADU CCPP PH I	GT-Gas	1	52.8	1996
	SR	Andhra Pradesh	State Sector	APEPDCL	JEGURUPADU CCPP PH I	GT-Gas	2	52.8	1996
	SR	Andhra Pradesh	State Sector	APEPDCL	JEGURUPADU CCPP PH I	GT-Gas	3	52.8	1996
	SR	Andhra Pradesh	State Sector	APEPDCL	JEGURUPADU CCPP PH I	GT-Gas	4	77	1997
170	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	1	210	1979
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	2	210	1980
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	3	210	1989
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	4	210	1990
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	5	210	1994
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	6	210	1995
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	7	500	2009
	SR	Andhra Pradesh	State Sector	APGENCO	Dr. N.TATA RAO TPS	Steam	8	800	2023
171	SR	Andhra Pradesh	State Sector	APGENCO	RAYALASEEMA TPS	Steam	1	210	1994
	SR	Andhra Pradesh	State Sector	APGENCO	RAYALASEEMA TPS	Steam	2	210	1995
	SR	Andhra Pradesh	State Sector	APGENCO	RAYALASEEMA TPS	Steam	3	210	2007
	SR	Andhra Pradesh	State Sector	APGENCO	RAYALASEEMA TPS	Steam	4	210	2007
	SR	Andhra Pradesh	State Sector	APGENCO	RAYALASEEMA TPS	Steam	5	210	2010
	SR	Andhra Pradesh	State Sector	APGENCO	RAYALASEEMA TPS	Steam	6	600	2018
172	SR	Andhra Pradesh	State Sector	APPDCL	DAMODARAM SANJEEVAIAH TPS	Steam	1	800	2014
	SR	Andhra Pradesh	State Sector	APPDCL	DAMODARAM SANJEEVAIAH TPS	Steam	2	800	2015
	SR	Andhra Pradesh	State Sector	APPDCL	DAMODARAM SANJEEVAIAH TPS	Steam	3	800	2023
	SR	**Andhra Pradesh Total**						**18125.344**	
173	SR	Karnataka	Central Sector	NTPC	KUDGI STPP	Steam	1	800	2016
	SR	Karnataka	Central Sector	NTPC	KUDGI STPP	Steam	2	800	2017
	SR	Karnataka	Central Sector	NTPC	KUDGI STPP	Steam	3	800	2018
174	SR	Karnataka	Private Sector	APL	ADANI POWER LIMITED UDUPI TPP	Steam	1	600	2010
	SR	Karnataka	Private Sector	APL	ADANI POWER LIMITED UDUPI TPP	Steam	2	600	2011
175	SR	Karnataka	Private Sector	BELLARY	BELLARY DG	Diesel	1	25.2	2000
176	SR	Karnataka	Private Sector	JSWEL	TORANGALLU TPS(SBU-I)	Steam	1	130	1999
	SR	Karnataka	Private Sector	JSWEL	TORANGALLU TPS(SBU-I)	Steam	2	130	1999
177	SR	Karnataka	Private Sector	JSWEL	TORANGALLU TPS(SBU-II)	Steam	1	300	2009
	SR	Karnataka	Private Sector	JSWEL	TORANGALLU TPS(SBU-II)	Steam	2	300	2009
178	SR	Karnataka	State Sector	KPCL	BELLARY TPS	Steam	1	500	2007
	SR	Karnataka	State Sector	KPCL	BELLARY TPS	Steam	2	500	2012
	SR	Karnataka	State Sector	KPCL	BELLARY TPS	Steam	3	700	2016
179	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	1	210	1985
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	2	210	1986
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	3	210	1991
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	4	210	1994
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	5	210	1999
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	6	210	1999
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	7	210	2002
	SR	Karnataka	State Sector	KPCL	RAICHUR TPS	Steam	8	250	2010
180	SR	Karnataka	State Sector	RPCL	YERMARUS TPP	Steam	1	800	2016

	SR	Karnataka	State Sector	RPCL	YERMARUS TPP	Steam	2	800	2017
	SR	**Karnataka Total**						**9505.2**	
181	SR	Kerala	Central Sector	NTPC	R. GANDHI CCPP (Liq.)	GT-Gas	1	115.2	1998
	SR	Kerala	Central Sector	NTPC	R. GANDHI CCPP (Liq.)	GT-Gas	2	115.2	1999
	SR	Kerala	Central Sector	NTPC	R. GANDHI CCPP (Liq.)	GT-Gas	3	129.18	1999
182	SR	Kerala	Private Sector	BSES(C)	COCHIN CCPP (Liq.)	GT-Gas	1	45	1999
	SR	Kerala	Private Sector	BSES(C)	COCHIN CCPP (Liq.)	GT-Gas	2	45	1999
	SR	Kerala	Private Sector	BSES(C)	COCHIN CCPP (Liq.)	GT-Gas	3	39	2000
	SR	Kerala	Private Sector	BSES(C)	COCHIN CCPP (Liq.)	GT-Gas	4	45	1999
183	SR	Kerala	State Sector	KSEB	BRAMHAPURAM DG	Diesel	1	21.32	1998
	SR	Kerala	State Sector	KSEB	BRAMHAPURAM DG	Diesel	4	21.32	1998
	SR	Kerala	State Sector	KSEB	BRAMHAPURAM DG	Diesel	5	21.32	1998
184	SR	Kerala	State Sector	KSEB	KOZHIKODE DG	Diesel	2	16	1998
	SR	Kerala	State Sector	KSEB	KOZHIKODE DG	Diesel	3	16	1999
	SR	Kerala	State Sector	KSEB	KOZHIKODE DG	Diesel	5	16	1999
	SR	Kerala	State Sector	KSEB	KOZHIKODE DG	Diesel	6	16	1999
	SR	Kerala	State Sector	KSEB	KOZHIKODE DG	Diesel	7	16	1999
	SR	Kerala	State Sector	KSEB	KOZHIKODE DG	Diesel	8	16	1999
	SR	**Kerala Total**						**693.54**	
185	SR	Lakshadweep	State Sector	ED, UT of Lakshdweep	Lakshadweep DG	Diesel	1	26.83	2022
	SR	**Lakshadweep Total**						**26.83**	
186	SR	Puducherry	State Sector	P&ED, Pudu.	KARAIKAL CCPP	GT-Gas	1	32.5	1999
	SR	**Puducherry Total**						**32.5**	
187	SR	Tamil Nadu	Central Sector	NLC	NEYVELI (EXT) TPS	Steam	1	210	2002
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI (EXT) TPS	Steam	2	210	2003
188	SR	Tamil Nadu	Central Sector	NLC	NEYVELI NEW TPP	Steam	1	500	2019
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI NEW TPP	Steam	2	500	2021
189	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	1	210	1988
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	2	210	1987
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	3	210	1987
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	4	210	1991
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	5	210	1991
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	6	210	1992
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II	Steam	7	210	1993
190	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II EXP	Steam	1	250	2012
	SR	Tamil Nadu	Central Sector	NLC	NEYVELI TPS-II EXP	Steam	2	250	2015
191	SR	Tamil Nadu	Central Sector	NTECL	VALLUR TPP	Steam	1	500	2012
	SR	Tamil Nadu	Central Sector	NTECL	VALLUR TPP	Steam	2	500	2013
	SR	Tamil Nadu	Central Sector	NTECL	VALLUR TPP	Steam	3	500	2014
192	SR	Tamil Nadu	Central Sector	NTPL	NTPL TUTICORIN TPP	Steam	1	500	2015
	SR	Tamil Nadu	Central Sector	NTPL	NTPL TUTICORIN TPP	Steam	2	500	2015
193	SR	Tamil Nadu	Private Sector	ABAN POWR	KARUPPUR CCPP	GT-Gas	1	70	2005
	SR	Tamil Nadu	Private Sector	ABAN POWR	KARUPPUR CCPP	GT-Gas	2	49.8	2005
194	SR	Tamil Nadu	Private Sector	CEPL	MUTHIARA TPP	Steam	1	600	2014
	SR	Tamil Nadu	Private Sector	CEPL	MUTHIARA TPP	Steam	2	600	2016
195	SR	Tamil Nadu	Private Sector	IBPIL	TUTICORIN (P) TPP	Steam	1	150	2013
	SR	Tamil Nadu	Private Sector	IBPIL	TUTICORIN (P) TPP	Steam	2	150	2013
196	SR	Tamil Nadu	Private Sector	ITPCL	ITPCL TPP	Steam	1	600	2015
	SR	Tamil Nadu	Private Sector	ITPCL	ITPCL TPP	Steam	2	600	2016
197	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	1	15.143	2001
	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	2	15.143	2001
	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	3	15.143	2001
	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	4	15.143	2001
	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	5	15.143	2001
	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	6	15.143	2001
	SR	Tamil Nadu	Private Sector	MADURAI P	SAMAYANALLUR DG	Diesel	7	15.143	2001
198	SR	Tamil Nadu	Private Sector	OPG Power Generation Private	OPG Power Generation Private Lim	Steam	1	77	2010
	SR	Tamil Nadu	Private Sector	OPG Power Generation Private	OPG Power Generation Private Lim	Steam	2	77	2012
	SR	Tamil Nadu	Private Sector	OPG Power Generation Private	OPG Power Generation Private Lim	Steam	3	80	2013
	SR	Tamil Nadu	Private Sector	OPG Power Generation Private	OPG Power Generation Private Lim	Steam	4	180	2015
199	SR	Tamil Nadu	Private Sector	PENNA	VALANTARVY CCPP	GT-Gas	1	38	2005
	SR	Tamil Nadu	Private Sector	PENNA	VALANTARVY CCPP	GT-Gas	2	14.8	2006
200	SR	Tamil Nadu	Private Sector	PPNPGCL	P.NALLUR CCPP	GT-Gas	1	225	2001
	SR	Tamil Nadu	Private Sector	PPNPGCL	P.NALLUR CCPP	GT-Gas	2	105.5	2001
201	SR	Tamil Nadu	Private Sector	SAMALPATI	SAMALPATTI DG	Diesel	1	105.7	2000
202	SR	Tamil Nadu	Private Sector	SPPL	TUTICORIN TPP ST-IV	Steam	1	525	2021
203	SR	Tamil Nadu	Private Sector	ST-CMSECP	NEYVELI TPS(Z)	Steam	1	250	2002
204	SR	Tamil Nadu	State Sector	TANGEDCO	BASIN BRIDGE GT (Liq.)	GT-Gas	1	30	1996
	SR	Tamil Nadu	State Sector	TANGEDCO	BASIN BRIDGE GT (Liq.)	GT-Gas	2	30	1996
	SR	Tamil Nadu	State Sector	TANGEDCO	BASIN BRIDGE GT (Liq.)	GT-Gas	3	30	1996
	SR	Tamil Nadu	State Sector	TANGEDCO	BASIN BRIDGE GT (Liq.)	GT-Gas	4	30	1996
205	SR	Tamil Nadu	State Sector	TANGEDCO	KOVIKALPAL CCPP	GT-Gas	1	69.65	2001
	SR	Tamil Nadu	State Sector	TANGEDCO	KOVIKALPAL CCPP	GT-Gas	2	38.23	2001
206	SR	Tamil Nadu	State Sector	TANGEDCO	KUTTALAM CCPP	GT-Gas	1	63	2003
	SR	Tamil Nadu	State Sector	TANGEDCO	KUTTALAM CCPP	GT-Gas	2	37	2004
207	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TPS	Steam	1	210	1987
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TPS	Steam	2	210	1987
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TPS	Steam	3	210	1989
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TPS	Steam	4	210	1990
208	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TPS-II	Steam	1	600	2012
209	SR	Tamil Nadu	State Sector	TANGEDCO	NARIMANAM GPS	GT-Gas	1	5	1992
	SR	Tamil Nadu	State Sector	TANGEDCO	NARIMANAM GPS	GT-Gas	2	5	1992
210	SR	Tamil Nadu	State Sector	TANGEDCO	NORTH CHENNAI TPS	Steam	1	210	1994
	SR	Tamil Nadu	State Sector	TANGEDCO	NORTH CHENNAI TPS	Steam	2	210	1995
	SR	Tamil Nadu	State Sector	TANGEDCO	NORTH CHENNAI TPS	Steam	3	210	1996
	SR	Tamil Nadu	State Sector	TANGEDCO	NORTH CHENNAI TPS	Steam	4	600	2013
	SR	Tamil Nadu	State Sector	TANGEDCO	NORTH CHENNAI TPS	Steam	5	600	2013

211	SR	Tamil Nadu	State Sector	TANGEDCO	TUTICORIN TPS	Steam	1	210	1979
	SR	Tamil Nadu	State Sector	TANGEDCO	TUTICORIN TPS	Steam	2	210	1980
	SR	Tamil Nadu	State Sector	TANGEDCO	TUTICORIN TPS	Steam	3	210	1982
	SR	Tamil Nadu	State Sector	TANGEDCO	TUTICORIN TPS	Steam	4	210	1992
	SR	Tamil Nadu	State Sector	TANGEDCO	TUTICORIN TPS	Steam	5	210	1991
212	SR	Tamil Nadu	State Sector	TANGEDCO	VALUTHUR CCPP	GT-Gas	1	60	2002
	SR	Tamil Nadu	State Sector	TANGEDCO	VALUTHUR CCPP	GT-Gas	2	34	2003
	SR	Tamil Nadu	State Sector	TANGEDCO	VALUTHUR CCPP	GT-Gas	3	59.8	2008
	SR	Tamil Nadu	State Sector	TANGEDCO	VALUTHUR CCPP	GT-Gas	4	32.4	2008
	SR	**Tamil Nadu Total**						**15337.881**	
213	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	1	200	1983
	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	2	200	1984
	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	3	200	1984
	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	4	500	1988
	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	5	500	1989
	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	6	500	1989
	SR	Telangana	Central Sector	NTPC	RAMAGUNDEM STPS	Steam	7	500	2004
214	SR	Telangana	Central Sector	NTPC	TELANGANA STPP PH-1	Steam	1	800	2023
	SR	Telangana	Central Sector	NTPC	TELANGANA STPP PH-1	Steam	2	800	2024
215	SR	Telangana	State Sector	SCCL	SINGARENI TPP	Steam	1	600	2016
	SR	Telangana	State Sector	SCCL	SINGARENI TPP	Steam	2	600	2016
216	SR	Telangana	State Sector	TSGENCO	BHADRADRI TPP	Steam	1	270	2020
	SR	Telangana	State Sector	TSGENCO	BHADRADRI TPP	Steam	2	270	2020
	SR	Telangana	State Sector	TSGENCO	BHADRADRI TPP	Steam	3	270	2021
	SR	Telangana	State Sector	TSGENCO	BHADRADRI TPP	Steam	4	270	2022
217	SR	Telangana	State Sector	TSGENCO	KAKATIYA TPS	Steam	1	500	2010
	SR	Telangana	State Sector	TSGENCO	KAKATIYA TPS	Steam	2	600	2015
218	SR	Telangana	State Sector	TSGENCO	KOTHAGUDEM TPS (NEW)	Steam	9	250	1997
	SR	Telangana	State Sector	TSGENCO	KOTHAGUDEM TPS (NEW)	Steam	10	250	1998
	SR	Telangana	State Sector	TSGENCO	KOTHAGUDEM TPS (NEW)	Steam	11	500	2011
219	SR	Telangana	State Sector	TSGENCO	KOTHAGUDEM TPS (STAGE-7)	Steam	12	800	2018
220	SR	Telangana	State Sector	TSGENCO	RAMAGUNDEM-B TPS	Steam	2	62.5	1971
	SR	**Telangana Total**						**9442.5**	
	SR	**Southern Region Total**						**53163.795**	
221	ER	Andaman & Nicobar	Private Sector	A&N ADM	AND. NICOBAR Pvt. DG	Diesel	1	35.19	2022
222	ER	Andaman & Nicobar	State Sector	A&N ADM	AND. NICOBAR DG	Diesel	1	57.52	2022
	ER	**Andaman & Nicobar Total**						**92.71**	
223	ER	Bihar	Central Sector	BRBCL	NABINAGAR TPP	Steam	1	250	2016
	ER	Bihar	Central Sector	BRBCL	NABINAGAR TPP	Steam	2	250	2017
	ER	Bihar	Central Sector	BRBCL	NABINAGAR TPP	Steam	3	250	2019
	ER	Bihar	Central Sector	BRBCL	NABINAGAR TPP	Steam	4	250	2021
224	ER	Bihar	Central Sector	K.B.U.N.L	MUZAFFARPUR TPS	Steam	3	195	2015
	ER	Bihar	Central Sector	K.B.U.N.L	MUZAFFARPUR TPS	Steam	4	195	2017
225	ER	Bihar	Central Sector	NPGCL	NABINAGAR STPP	Steam	1	660	2019
	ER	Bihar	Central Sector	NPGCL	NABINAGAR STPP	Steam	2	660	2021
	ER	Bihar	Central Sector	NPGCL	NABINAGAR STPP	Steam	3	660	2022
226	ER	Bihar	Central Sector	NTPC	BARAUNI TPS	Steam	6	105	1983
	ER	Bihar	Central Sector	NTPC	BARAUNI TPS	Steam	7	105	1985
	ER	Bihar	Central Sector	NTPC	BARAUNI TPS	Steam	8	250	2018
	ER	Bihar	Central Sector	NTPC	BARAUNI TPS	Steam	9	250	2018
227	ER	Bihar	Central Sector	NTPC	BARH I	Steam	1	660	2021
	ER	Bihar	Central Sector	NTPC	BARH I	Steam	2	660	2023
228	ER	Bihar	Central Sector	NTPC	BARH II	Steam	4	660	2013
	ER	Bihar	Central Sector	NTPC	BARH II	Steam	5	660	2015
229	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	1	210	1992
	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	2	210	1994
	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	3	210	1995
	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	4	210	1996
	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	5	500	2007
	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	6	500	2008
	ER	Bihar	Central Sector	NTPC	KAHALGAON TPS	Steam	7	500	2009
	ER	**Bihar Total**						**9060**	
230	ER	Jharkhand	Central Sector	DVC	BOKARO TPS `A` EXP	Steam	1	500	2016
231	ER	Jharkhand	Central Sector	DVC	CHANDRAPURA(DVC) TPS	Steam	7	250	2009
	ER	Jharkhand	Central Sector	DVC	CHANDRAPURA(DVC) TPS	Steam	8	250	2010
232	ER	Jharkhand	Central Sector	DVC	KODARMA TPP	Steam	1	500	2011
	ER	Jharkhand	Central Sector	DVC	KODARMA TPP	Steam	2	500	2013
233	ER	Jharkhand	Central Sector	NTPC	NORTH KARANPURA STPP	Steam	1	660	2023
	ER	Jharkhand	Central Sector	NTPC	NORTH KARANPURA STPP	Steam	2	660	2024
234	ER	Jharkhand	Private Sector	ADHUNIK	MAHADEV PRASAD STPP	Steam	1	270	2012
	ER	Jharkhand	Private Sector	ADHUNIK	MAHADEV PRASAD STPP	Steam	2	270	2013
235	ER	Jharkhand	Private Sector	MPL	MAITHON RB TPP	Steam	1	525	2011
	ER	Jharkhand	Private Sector	MPL	MAITHON RB TPP	Steam	2	525	2012
236	ER	Jharkhand	Private Sector	TATA PCL	JOJOBERA TPS	Steam	2	120	2001
	ER	Jharkhand	Private Sector	TATA PCL	JOJOBERA TPS	Steam	3	120	2002
237	ER	Jharkhand	State Sector	TVNL	TENUGHAT TPS	Steam	1	210	1994
	ER	Jharkhand	State Sector	TVNL	TENUGHAT TPS	Steam	2	210	1996
	ER	**Jharkhand Total**						**5570**	
238	ER	Odisha	Central Sector	NTPC	DARLIPALI STPS	Steam	1	800	2019
	ER	Odisha	Central Sector	NTPC	DARLIPALI STPS	Steam	2	800	2021
239	ER	Odisha	Central Sector	NTPC	TALCHER STPS	Steam	1	500	1995
	ER	Odisha	Central Sector	NTPC	TALCHER STPS	Steam	2	500	1996
	ER	Odisha	Central Sector	NTPC	TALCHER STPS	Steam	3	500	2003
	ER	Odisha	Central Sector	NTPC	TALCHER STPS	Steam	4	500	2003
	ER	Odisha	Central Sector	NTPC	TALCHER STPS	Steam	5	500	2004
	ER	Odisha	Central Sector	NTPC	TALCHER STPS	Steam	6	500	2005
240	ER	Odisha	Private Sector	GMR ENERG	KAMALANGA TPS	Steam	1	350	2013

	ER	Odisha	Private Sector	GMR ENERG	KAMALANGA TPS	Steam	2	350	2013
	ER	Odisha	Private Sector	GMR ENERG	KAMALANGA TPS	Steam	3	350	2014
241	ER	Odisha	Private Sector	IBPIL	UTKAL TPP (IND BARATH)	Steam	1	350	2016
242	ER	Odisha	Private Sector	JITPL	DERANG TPP	Steam	1	600	2014
	ER	Odisha	Private Sector	JITPL	DERANG TPP	Steam	2	600	2015
243	ER	Odisha	Private Sector	VEDANTA	VEDANTA TPP	Steam	2	600	2010
244	ER	Odisha	State Sector	OPGC	IB VALLEY TPS	Steam	1	210	1994
	ER	Odisha	State Sector	OPGC	IB VALLEY TPS	Steam	2	210	1995
	ER	Odisha	State Sector	OPGC	IB VALLEY TPS	Steam	3	660	2019
	ER	Odisha	State Sector	OPGC	IB VALLEY TPS	Steam	4	660	2019
	ER	**Odisha Total**						**9540**	
245	ER	West Bengal	Central Sector	DVC	DURGAPUR STEEL TPS	Steam	1	500	2011
	ER	West Bengal	Central Sector	DVC	DURGAPUR STEEL TPS	Steam	2	500	2012
246	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	1	210	1996
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	2	210	1997
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	3	210	1998
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	4	210	2004
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	5	250	2007
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	6	250	2011
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	7	500	2010
	ER	West Bengal	Central Sector	DVC	MEJIA TPS	Steam	8	500	2010
247	ER	West Bengal	Central Sector	DVC	RAGHUNATHPUR TPP	Steam	1	600	2014
	ER	West Bengal	Central Sector	DVC	RAGHUNATHPUR TPP	Steam	2	600	2016
248	ER	West Bengal	Central Sector	NTPC	FARAKKA STPS	Steam	1	200	1986
	ER	West Bengal	Central Sector	NTPC	FARAKKA STPS	Steam	2	200	1986
	ER	West Bengal	Central Sector	NTPC	FARAKKA STPS	Steam	3	200	1987
	ER	West Bengal	Central Sector	NTPC	FARAKKA STPS	Steam	4	500	1992
	ER	West Bengal	Central Sector	NTPC	FARAKKA STPS	Steam	5	500	1994
	ER	West Bengal	Central Sector	NTPC	FARAKKA STPS	Steam	6	500	2011
249	ER	West Bengal	Private Sector	CESC	BUDGE BUDGE TPS	Steam	1	250	1997
	ER	West Bengal	Private Sector	CESC	BUDGE BUDGE TPS	Steam	2	250	1999
	ER	West Bengal	Private Sector	CESC	BUDGE BUDGE TPS	Steam	3	250	2009
250	ER	West Bengal	Private Sector	CESC	SOUTHERN REPL. TPS	Steam	1	67.5	1991
	ER	West Bengal	Private Sector	CESC	SOUTHERN REPL. TPS	Steam	2	67.5	1990
251	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Steam	1	60	1985
	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Steam	2	60	1982
	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Steam	3	60	1983
	ER	West Bengal	Private Sector	CESC	TITAGARH TPS	Steam	4	60	1984
252	ER	West Bengal	Private Sector	DPSCLTD	DISHERGARH TPP	Steam	1	12	2019
253	ER	West Bengal	Private Sector	HEL	HALDIA TPP	Steam	1	300	2015
	ER	West Bengal	Private Sector	HEL	HALDIA TPP	Steam	2	300	2015
254	ER	West Bengal	Private Sector	HMEL	HIRANMAYE TPP	Steam	1	150	2017
	ER	West Bengal	Private Sector	HMEL	HIRANMAYE TPP	Steam	2	150	2017
255	ER	West Bengal	State Sector	DPL	D.P.L. TPS	Steam	7	300	2007
	ER	West Bengal	State Sector	DPL	D.P.L. TPS	Steam	8	250	2014
256	ER	West Bengal	State Sector	WBPDC	BAKRESWAR TPS	Steam	1	210	2009
	ER	West Bengal	State Sector	WBPDC	BAKRESWAR TPS	Steam	2	210	1999
	ER	West Bengal	State Sector	WBPDC	BAKRESWAR TPS	Steam	3	210	2000
	ER	West Bengal	State Sector	WBPDC	BAKRESWAR TPS	Steam	4	210	2001
	ER	West Bengal	State Sector	WBPDC	BAKRESWAR TPS	Steam	5	210	2007
257	ER	West Bengal	State Sector	WBPDC	BANDEL TPS	Steam	2	60	1965
	ER	West Bengal	State Sector	WBPDC	BANDEL TPS	Steam	5	210	1982
258	ER	West Bengal	State Sector	WBPDC	HALDIA GT (Liq.)	GT-Gas	1	20	1979
	ER	West Bengal	State Sector	WBPDC	HALDIA GT (Liq.)	GT-Gas	2	20	1979
259	ER	West Bengal	State Sector	WBPDC	KASBA GT (Liq.)	GT-Gas	1	20	1979
	ER	West Bengal	State Sector	WBPDC	KASBA GT (Liq.)	GT-Gas	2	20	1979
260	ER	West Bengal	State Sector	WBPDC	KOLAGHAT TPS	Steam	3	210	1985
	ER	West Bengal	State Sector	WBPDC	KOLAGHAT TPS	Steam	4	210	1984
	ER	West Bengal	State Sector	WBPDC	KOLAGHAT TPS	Steam	5	210	1993
	ER	West Bengal	State Sector	WBPDC	KOLAGHAT TPS	Steam	6	210	1991
261	ER	West Bengal	State Sector	WBPDC	SAGARDIGHI TPS	Steam	1	300	2008
	ER	West Bengal	State Sector	WBPDC	SAGARDIGHI TPS	Steam	2	300	2007
	ER	West Bengal	State Sector	WBPDC	SAGARDIGHI TPS	Steam	3	500	2015
	ER	West Bengal	State Sector	WBPDC	SAGARDIGHI TPS	Steam	4	500	2016
262	ER	West Bengal	State Sector	WBPDC	SANTALDIH TPS	Steam	5	250	2007
	ER	West Bengal	State Sector	WBPDC	SANTALDIH TPS	Steam	6	250	2011
	ER	**West Bengal Total**						**13567**	
	ER	**Eastern Region Total**						**37829.71**	
263	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	1	33.5	1995
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	2	33.5	1995
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	3	33.5	1995
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	4	33.5	1995
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	5	33.5	1996
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	6	33.5	1996
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	7	30	1998
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	8	30	1998
	NER	Assam	Central Sector	NEEPCO.	KATHALGURI CCPP	GT-Gas	9	30	1998
264	NER	Assam	Central Sector	NTPC	BONGAIGAON TPP	Steam	1	250	2015
	NER	Assam	Central Sector	NTPC	BONGAIGAON TPP	Steam	2	250	2017
	NER	Assam	Central Sector	NTPC	BONGAIGAON TPP	Steam	3	250	2019
265	NER	Assam	State Sector	APGCL	LAKWA GT	GT-Gas	5	20	1994
	NER	Assam	State Sector	APGCL	LAKWA GT	GT-Gas	6	20	1994
	NER	Assam	State Sector	APGCL	LAKWA GT	GT-Gas	7	20	1995
	NER	Assam	State Sector	APGCL	LAKWA GT	GT-Gas	8	37.2	2012
266	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	1	9.965	2018
	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	2	9.965	2018
	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	3	9.965	2018

	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	4	9.965	2018
	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	5	9.965	2018
	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	6	9.965	2018
	NER	Assam	State Sector	APGCL	LAKWA REPLACEMENT POWER PRO	GT-Gas	7	9.965	2018
267	NER	Assam	State Sector	APGCL	NAMRUP CCPP	GT-Gas	2	17	1965
	NER	Assam	State Sector	APGCL	NAMRUP CCPP	GT-Gas	3	15	1965
	NER	Assam	State Sector	APGCL	NAMRUP CCPP	GT-Gas	6	9	1985
	NER	Assam	State Sector	APGCL	NAMRUP CCPP	GT-Gas	7	62.25	2017
	NER	Assam	State Sector	APGCL	NAMRUP CCPP	GT-Gas	8	36.15	2020
	NER	**Assam Total**						**1347.355**	
268	NER	Manipur	State Sector	ED, Manipur	LEIMAKHONG DG	Diesel	1	6	2002
	NER	Manipur	State Sector	ED, Manipur	LEIMAKHONG DG	Diesel	2	6	2002
	NER	Manipur	State Sector	ED, Manipur	LEIMAKHONG DG	Diesel	3	6	2002
	NER	Manipur	State Sector	ED, Manipur	LEIMAKHONG DG	Diesel	4	6	2002
	NER	Manipur	State Sector	ED, Manipur	LEIMAKHONG DG	Diesel	5	6	2002
	NER	Manipur	State Sector	ED, Manipur	LEIMAKHONG DG	Diesel	6	6	2002
	NER	**Manipur Total**						**36**	
269	NER	Tripura	Central Sector	NEEPCO.	AGARTALA GT	GT-Gas	1	21	1998
	NER	Tripura	Central Sector	NEEPCO.	AGARTALA GT	GT-Gas	2	21	1998
	NER	Tripura	Central Sector	NEEPCO.	AGARTALA GT	GT-Gas	3	21	1998
	NER	Tripura	Central Sector	NEEPCO.	AGARTALA GT	GT-Gas	4	21	1998
	NER	Tripura	Central Sector	NEEPCO.	AGARTALA GT	GT-Gas	5	25.5	2015
	NER	Tripura	Central Sector	NEEPCO.	AGARTALA GT	GT-Gas	6	25.5	2016
270	NER	Tripura	Central Sector	NEEPCO.	MONARCHAK CCPP	GT-Gas	1	65.4	2015
	NER	Tripura	Central Sector	NEEPCO.	MONARCHAK CCPP	GT-Gas	3	35.6	2016
271	NER	Tripura	Central Sector	ONGC	TRIPURA CCPP	GT-Gas	1	363.3	2013
	NER	Tripura	Central Sector	ONGC	TRIPURA CCPP	GT-Gas	2	363.3	2014
272	NER	Tripura	State Sector	TSECL	BARAMURA GT	GT-Gas	4	21	2002
	NER	Tripura	State Sector	TSECL	BARAMURA GT	GT-Gas	5	21	2010
273	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	3	0	1995
	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	4	0	1995
	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	5	0	1997
	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	6	0	1997
	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	7	21	2002
	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	8	21	2006
	NER	Tripura	State Sector	TSECL	ROKHIA GT	GT-Gas	9	21	2013
	NER	**Tripura Total**						**1067.6**	
	North-Eatern Region Total							**2450.955**	
	Total All India Thermal							**243216.91**	

APPENDIX-B

List of Hydro Power Stations as on 31.03.2024

S.No.	Region	State	Sector	Organisation	Name of Project	Prime Mover	Unit No	Installed Capacity(MW)	Year of Comm.
1	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA LEFT HPS	Hydro	1	126	1960
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA LEFT HPS	Hydro	2	126	1961
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA LEFT HPS	Hydro	3	126	1961
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA LEFT HPS	Hydro	4	126	1961
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA LEFT HPS	Hydro	5	126	1961
2	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA RIGHT HPS	Hydro	6	157	1966
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA RIGHT HPS	Hydro	7	157	1966
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA RIGHT HPS	Hydro	8	157	1967
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA RIGHT HPS	Hydro	9	157	1967
	NR	Himachal Pradesh	Central Sector	BBMB	BHAKRA RIGHT HPS	Hydro	10	157	1968
3	NR	Himachal Pradesh	Central Sector	BBMB	DEHAR HPS	Hydro	1	165	1977
	NR	Himachal Pradesh	Central Sector	BBMB	DEHAR HPS	Hydro	2	165	1978
	NR	Himachal Pradesh	Central Sector	BBMB	DEHAR HPS	Hydro	3	165	1979
	NR	Himachal Pradesh	Central Sector	BBMB	DEHAR HPS	Hydro	4	165	1979
	NR	Himachal Pradesh	Central Sector	BBMB	DEHAR HPS	Hydro	5	165	1983
	NR	Himachal Pradesh	Central Sector	BBMB	DEHAR HPS	Hydro	6	165	1983
4	NR	Himachal Pradesh	Central Sector	BBMB	PONG HPS	Hydro	1	66	1978
	NR	Himachal Pradesh	Central Sector	BBMB	PONG HPS	Hydro	2	66	1978
	NR	Himachal Pradesh	Central Sector	BBMB	PONG HPS	Hydro	3	66	1978
	NR	Himachal Pradesh	Central Sector	BBMB	PONG HPS	Hydro	4	66	1979
	NR	Himachal Pradesh	Central Sector	BBMB	PONG HPS	Hydro	5	66	1982
	NR	Himachal Pradesh	Central Sector	BBMB	PONG HPS	Hydro	6	66	1983
5	NR	Himachal Pradesh	Central Sector	NHPC	BAIRA SIUL HPS	Hydro	1	60	1980
	NR	Himachal Pradesh	Central Sector	NHPC	BAIRA SIUL HPS	Hydro	2	60	1980
	NR	Himachal Pradesh	Central Sector	NHPC	BAIRA SIUL HPS	Hydro	3	60	1981
6	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-I HPS	Hydro	1	180	1994
	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-I HPS	Hydro	2	180	1994
	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-I HPS	Hydro	3	180	1994
7	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-II HPS	Hydro	1	100	2003
	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-II HPS	Hydro	2	100	2003
	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-II HPS	Hydro	3	100	2004
8	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-III HPS	Hydro	1	77	2012
	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-III HPS	Hydro	2	77	2012
	NR	Himachal Pradesh	Central Sector	NHPC	CHAMERA-III HPS	Hydro	3	77	2012
9	NR	Himachal Pradesh	Central Sector	NHPC	PARBATI-III HPS	Hydro	1	130	2014
	NR	Himachal Pradesh	Central Sector	NHPC	PARBATI-III HPS	Hydro	2	130	2014
	NR	Himachal Pradesh	Central Sector	NHPC	PARBATI-III HPS	Hydro	3	130	2014
	NR	Himachal Pradesh	Central Sector	NHPC	PARBATI-III HPS	Hydro	4	130	2014
10	NR	Himachal Pradesh	Central Sector	NTPC	KOLDAM	Hydro	1	200	2015
	NR	Himachal Pradesh	Central Sector	NTPC	KOLDAM	Hydro	2	200	2015
	NR	Himachal Pradesh	Central Sector	NTPC	KOLDAM	Hydro	3	200	2015
	NR	Himachal Pradesh	Central Sector	NTPC	KOLDAM	Hydro	4	200	2015
11	NR	Himachal Pradesh	Central Sector	SJVNL	NATHPA JHAKRI HPS	Hydro	1	250	2004
	NR	Himachal Pradesh	Central Sector	SJVNL	NATHPA JHAKRI HPS	Hydro	2	250	2003
	NR	Himachal Pradesh	Central Sector	SJVNL	NATHPA JHAKRI HPS	Hydro	3	250	2003
	NR	Himachal Pradesh	Central Sector	SJVNL	NATHPA JHAKRI HPS	Hydro	4	250	2004
	NR	Himachal Pradesh	Central Sector	SJVNL	NATHPA JHAKRI HPS	Hydro	5	250	2004
	NR	Himachal Pradesh	Central Sector	SJVNL	NATHPA JHAKRI HPS	Hydro	6	250	2004
12	NR	Himachal Pradesh	Central Sector	SJVNL	RAMPUR HPS	Hydro	1	68.67	2014
	NR	Himachal Pradesh	Central Sector	SJVNL	RAMPUR HPS	Hydro	2	68.67	2014
	NR	Himachal Pradesh	Central Sector	SJVNL	RAMPUR HPS	Hydro	3	68.67	2014
	NR	Himachal Pradesh	Central Sector	SJVNL	RAMPUR HPS	Hydro	4	68.67	2014
	NR	Himachal Pradesh	Central Sector	SJVNL	RAMPUR HPS	Hydro	5	68.67	2014
	NR	Himachal Pradesh	Central Sector	SJVNL	RAMPUR HPS	Hydro	6	68.67	2014
13	NR	Himachal Pradesh	Private Sector	ADHPL	ALLAIN DUHANGAN HPS	Hydro	1	96	2010
	NR	Himachal Pradesh	Private Sector	ADHPL	ALLAIN DUHANGAN HPS	Hydro	2	96	2010
14	NR	Himachal Pradesh	Private Sector	E.P.P.L.	MALANA-II HPS	Hydro	1	50	2011
	NR	Himachal Pradesh	Private Sector	E.P.P.L.	MALANA-II HPS	Hydro	2	50	2011
15	NR	Himachal Pradesh	Private Sector	GBHHPPL	BAJOLI HOLI HPS	Hydro	1	60	2022
	NR	Himachal Pradesh	Private Sector	GBHHPPL	BAJOLI HOLI HPS	Hydro	2	60	2022
	NR	Himachal Pradesh	Private Sector	GBHHPPL	BAJOLI HOLI HPS	Hydro	3	60	2022
16	NR	Himachal Pradesh	Private Sector	GBHPPL	BUDHIL HPS	Hydro	1	35	2012
	NR	Himachal Pradesh	Private Sector	GBHPPL	BUDHIL HPS	Hydro	2	35	2012
17	NR	Himachal Pradesh	Private Sector	HBPCL	BASPA HPS	Hydro	1	100	2003
	NR	Himachal Pradesh	Private Sector	HBPCL	BASPA HPS	Hydro	2	100	2003
	NR	Himachal Pradesh	Private Sector	HBPCL	BASPA HPS	Hydro	3	100	2003
18	NR	Himachal Pradesh	Private Sector	HBPCL	KARCHAM WANGTOO HPS	Hydro	1	261.25	2011
	NR	Himachal Pradesh	Private Sector	HBPCL	KARCHAM WANGTOO HPS	Hydro	2	261.25	2011
	NR	Himachal Pradesh	Private Sector	HBPCL	KARCHAM WANGTOO HPS	Hydro	3	261.25	2011
	NR	Himachal Pradesh	Private Sector	HBPCL	KARCHAM WANGTOO HPS	Hydro	4	261.25	2011
19	NR	Himachal Pradesh	Private Sector	HSPCL	SORANG HPS	Hydro	1	50	2021
	NR	Himachal Pradesh	Private Sector	HSPCL	SORANG HPS	Hydro	2	50	2021
20	NR	Himachal Pradesh	Private Sector	IAEPL	CHANJU-I HPS	Hydro	1	12	2017
	NR	Himachal Pradesh	Private Sector	IAEPL	CHANJU-I HPS	Hydro	2	12	2017
	NR	Himachal Pradesh	Private Sector	IAEPL	CHANJU-I HPS	Hydro	3	12	2017
21	NR	Himachal Pradesh	Private Sector	MPCL	MALANA HPS	Hydro	1	43	2001
	NR	Himachal Pradesh	Private Sector	MPCL	MALANA HPS	Hydro	2	43	2001
22	NR	Himachal Pradesh	State Sector	HPPCL	KASHANG INTEGRATED HEP	Hydro	1	65	2016
	NR	Himachal Pradesh	State Sector	HPPCL	KASHANG INTEGRATED HEP	Hydro	2	65	2016
	NR	Himachal Pradesh	State Sector	HPPCL	KASHANG INTEGRATED HEP	Hydro	3	65	2017
23	NR	Himachal Pradesh	State Sector	HPPCL	SAINJ HPS	Hydro	1	50	2017
	NR	Himachal Pradesh	State Sector	HPPCL	SAINJ HPS	Hydro	2	50	2017
24	NR	Himachal Pradesh	State Sector	HPPCL	SAWRA KUDDU HPS	Hydro	1	37	2020

	NR	Himachal Pradesh	State Sector	HPPCL	SAWRA KUDDU HPS	Hydro	2	37	2020
	NR	Himachal Pradesh	State Sector	HPPCL	SAWRA KUDDU HPS	Hydro	3	37	2020
25	NR	Himachal Pradesh	State Sector	HPSEB	BASSI HPS	Hydro	1	16.5	1970
	NR	Himachal Pradesh	State Sector	HPSEB	BASSI HPS	Hydro	2	16.5	1971
	NR	Himachal Pradesh	State Sector	HPSEB	BASSI HPS	Hydro	3	16.5	1970
	NR	Himachal Pradesh	State Sector	HPSEB	BASSI HPS	Hydro	4	16.5	1981
26	NR	Himachal Pradesh	State Sector	HPSEB	GIRI BATA HPS	Hydro	1	30	1978
	NR	Himachal Pradesh	State Sector	HPSEB	GIRI BATA HPS	Hydro	2	30	1978
27	NR	Himachal Pradesh	State Sector	HPSEB	LARJI HPS	Hydro	1	42	2006
	NR	Himachal Pradesh	State Sector	HPSEB	LARJI HPS	Hydro	2	42	2006
	NR	Himachal Pradesh	State Sector	HPSEB	LARJI HPS	Hydro	3	42	2006
28	NR	Himachal Pradesh	State Sector	HPSEB	SANJAY HPS	Hydro	1	40	1989
	NR	Himachal Pradesh	State Sector	HPSEB	SANJAY HPS	Hydro	2	40	1989
	NR	Himachal Pradesh	State Sector	HPSEB	SANJAY HPS	Hydro	3	40	1989
29	NR	Himachal Pradesh	State Sector	PSPCL	SHANAN HPS	Hydro	1	15	1932
	NR	Himachal Pradesh	State Sector	PSPCL	SHANAN HPS	Hydro	2	15	1932
	NR	Himachal Pradesh	State Sector	PSPCL	SHANAN HPS	Hydro	3	15	1932
	NR	Himachal Pradesh	State Sector	PSPCL	SHANAN HPS	Hydro	4	15	1932
	NR	Himachal Pradesh	State Sector	PSPCL	SHANAN HPS	Hydro	5	50	1982
	NR	**Himachal Pradesh Total**						**10281.02**	
30	NR	Jammu & Kashmir	Central Sector	NHPC	CHUTAK HPS	Hydro	1	11	2012
	NR	Jammu & Kashmir	Central Sector	NHPC	CHUTAK HPS	Hydro	2	11	2012
	NR	Jammu & Kashmir	Central Sector	NHPC	CHUTAK HPS	Hydro	3	11	2012
	NR	Jammu & Kashmir	Central Sector	NHPC	CHUTAK HPS	Hydro	4	11	2013
31	NR	Jammu & Kashmir	Central Sector	NHPC	DULHASTI HPS	Hydro	1	130	2007
	NR	Jammu & Kashmir	Central Sector	NHPC	DULHASTI HPS	Hydro	2	130	2007
	NR	Jammu & Kashmir	Central Sector	NHPC	DULHASTI HPS	Hydro	3	130	2007
32	NR	Jammu & Kashmir	Central Sector	NHPC	KISHANGANGA HPS	Hydro	1	110	2018
	NR	Jammu & Kashmir	Central Sector	NHPC	KISHANGANGA HPS	Hydro	2	110	2018
	NR	Jammu & Kashmir	Central Sector	NHPC	KISHANGANGA HPS	Hydro	3	110	2018
33	NR	Jammu & Kashmir	Central Sector	NHPC	NIMMO BAZGO HPS	Hydro	1	15	2013
	NR	Jammu & Kashmir	Central Sector	NHPC	NIMMO BAZGO HPS	Hydro	2	15	2013
	NR	Jammu & Kashmir	Central Sector	NHPC	NIMMO BAZGO HPS	Hydro	3	15	2013
34	NR	Jammu & Kashmir	Central Sector	NHPC	SALAL HPS	Hydro	1	115	1987
	NR	Jammu & Kashmir	Central Sector	NHPC	SALAL HPS	Hydro	2	115	1987
	NR	Jammu & Kashmir	Central Sector	NHPC	SALAL HPS	Hydro	3	115	1987
	NR	Jammu & Kashmir	Central Sector	NHPC	SALAL HPS	Hydro	4	115	1993
	NR	Jammu & Kashmir	Central Sector	NHPC	SALAL HPS	Hydro	5	115	1994
	NR	Jammu & Kashmir	Central Sector	NHPC	SALAL HPS	Hydro	6	115	1995
35	NR	Jammu & Kashmir	Central Sector	NHPC	SEWA-II HPS	Hydro	1	40	2010
	NR	Jammu & Kashmir	Central Sector	NHPC	SEWA-II HPS	Hydro	2	40	2010
	NR	Jammu & Kashmir	Central Sector	NHPC	SEWA-II HPS	Hydro	3	40	2010
36	NR	Jammu & Kashmir	Central Sector	NHPC	URI-I HPS	Hydro	1	120	1997
	NR	Jammu & Kashmir	Central Sector	NHPC	URI-I HPS	Hydro	2	120	1997
	NR	Jammu & Kashmir	Central Sector	NHPC	URI-I HPS	Hydro	3	120	1997
	NR	Jammu & Kashmir	Central Sector	NHPC	URI-I HPS	Hydro	4	120	1996
37	NR	Jammu & Kashmir	Central Sector	NHPC	URI-II HPS	Hydro	1	60	2013
	NR	Jammu & Kashmir	Central Sector	NHPC	URI-II HPS	Hydro	2	60	2013
	NR	Jammu & Kashmir	Central Sector	NHPC	URI-II HPS	Hydro	3	60	2013
	NR	Jammu & Kashmir	Central Sector	NHPC	URI-II HPS	Hydro	4	60	2014
38	NR	Jammu & Kashmir	State Sector	JKSPDC	BAGLIHAR HPS	Hydro	1	150	2008
	NR	Jammu & Kashmir	State Sector	JKSPDC	BAGLIHAR HPS	Hydro	2	150	2008
	NR	Jammu & Kashmir	State Sector	JKSPDC	BAGLIHAR HPS	Hydro	3	150	2008
39	NR	Jammu & Kashmir	State Sector	JKSPDC	BAGLIHAR II HPS	Hydro	1	150	2015
	NR	Jammu & Kashmir	State Sector	JKSPDC	BAGLIHAR II HPS	Hydro	2	150	2015
	NR	Jammu & Kashmir	State Sector	JKSPDC	BAGLIHAR II HPS	Hydro	3	150	2015
40	NR	Jammu & Kashmir	State Sector	JKSPDC	LOWER JHELUM HPS	Hydro	1	35	1978
	NR	Jammu & Kashmir	State Sector	JKSPDC	LOWER JHELUM HPS	Hydro	2	35	1979
	NR	Jammu & Kashmir	State Sector	JKSPDC	LOWER JHELUM HPS	Hydro	3	35	1979
41	NR	Jammu & Kashmir	State Sector	JKSPDC	UPPER SINDH-II HPS	Hydro	1	35	2001
	NR	Jammu & Kashmir	State Sector	JKSPDC	UPPER SINDH-II HPS	Hydro	2	35	2001
	NR	Jammu & Kashmir	State Sector	JKSPDC	UPPER SINDH-II HPS	Hydro	3	35	2002
	NR	**Jammu & Kashmir Total**						**3449**	
42	NR	Punjab	Central Sector	BBMB	GANGUWAL HPS	Hydro	1	29.25	1962
	NR	Punjab	Central Sector	BBMB	GANGUWAL HPS	Hydro	2	24.2	1955
	NR	Punjab	Central Sector	BBMB	GANGUWAL HPS	Hydro	3	24.2	1955
43	NR	Punjab	Central Sector	BBMB	KOTLA HPS	Hydro	1	29.25	1961
	NR	Punjab	Central Sector	BBMB	KOTLA HPS	Hydro	2	24.2	1956
	NR	Punjab	Central Sector	BBMB	KOTLA HPS	Hydro	3	24.2	1956
44	NR	Punjab	State Sector	PSPCL	ANANDPUR SAHIB-I HPS	Hydro	1	33.5	1985
	NR	Punjab	State Sector	PSPCL	ANANDPUR SAHIB-I HPS	Hydro	2	33.5	1985
45	NR	Punjab	State Sector	PSPCL	ANANDPUR SAHIB-II HPS	Hydro	3	33.5	1985
	NR	Punjab	State Sector	PSPCL	ANANDPUR SAHIB-II HPS	Hydro	4	33.5	1985
46	NR	Punjab	State Sector	PSPCL	MUKERIAN-I HPS	Hydro	1	15	1983
	NR	Punjab	State Sector	PSPCL	MUKERIAN-I HPS	Hydro	2	15	1983
	NR	Punjab	State Sector	PSPCL	MUKERIAN-I HPS	Hydro	3	15	1983
47	NR	Punjab	State Sector	PSPCL	MUKERIAN-II HPS	Hydro	4	15	1988
	NR	Punjab	State Sector	PSPCL	MUKERIAN-II HPS	Hydro	5	15	1988
	NR	Punjab	State Sector	PSPCL	MUKERIAN-II HPS	Hydro	6	15	1989
48	NR	Punjab	State Sector	PSPCL	MUKERIAN-III HPS	Hydro	7	19.5	1989
	NR	Punjab	State Sector	PSPCL	MUKERIAN-III HPS	Hydro	8	19.5	1989
	NR	Punjab	State Sector	PSPCL	MUKERIAN-III HPS	Hydro	9	19.5	1989
49	NR	Punjab	State Sector	PSPCL	MUKERIAN-IV HPS	Hydro	10	19.5	1989
	NR	Punjab	State Sector	PSPCL	MUKERIAN-IV HPS	Hydro	11	19.5	1989
	NR	Punjab	State Sector	PSPCL	MUKERIAN-IV HPS	Hydro	12	19.5	1989
50	NR	Punjab	State Sector	PSPCL	RANJIT SAGAR HPS	Hydro	1	150	2000
	NR	Punjab	State Sector	PSPCL	RANJIT SAGAR HPS	Hydro	2	150	2000

	NR	Punjab	State Sector	PSPCL	RANJIT SAGAR HPS	Hydro	3	150	2000
	NR	Punjab	State Sector	PSPCL	RANJIT SAGAR HPS	Hydro	4	150	2000
	NR	**Punjab Total**						**1096.3**	
51	NR	Rajasthan	State Sector	RRVUNL	JAWAHAR SAGAR HPS	Hydro	1	33	1972
	NR	Rajasthan	State Sector	RRVUNL	JAWAHAR SAGAR HPS	Hydro	2	33	1973
	NR	Rajasthan	State Sector	RRVUNL	JAWAHAR SAGAR HPS	Hydro	3	33	1973
52	NR	Rajasthan	State Sector	RRVUNL	MAHI BAJAJ-I HPS	Hydro	1	25	1986
	NR	Rajasthan	State Sector	RRVUNL	MAHI BAJAJ-I HPS	Hydro	2	25	1986
53	NR	Rajasthan	State Sector	RRVUNL	MAHI BAJAJ-II HPS	Hydro	3	45	1989
	NR	Rajasthan	State Sector	RRVUNL	MAHI BAJAJ-II HPS	Hydro	4	45	1989
54	NR	Rajasthan	State Sector	RRVUNL	R P SAGAR HPS	Hydro	1	43	1968
	NR	Rajasthan	State Sector	RRVUNL	R P SAGAR HPS	Hydro	2	43	1968
	NR	Rajasthan	State Sector	RRVUNL	R P SAGAR HPS	Hydro	3	43	1968
	NR	Rajasthan	State Sector	RRVUNL	R P SAGAR HPS	Hydro	4	43	1968
	NR	**Rajasthan Total**						**411**	
55	NR	Uttar Pradesh	State Sector	UPJVNL	KHARA HPS	Hydro	1	24	1992
	NR	Uttar Pradesh	State Sector	UPJVNL	KHARA HPS	Hydro	2	24	1992
	NR	Uttar Pradesh	State Sector	UPJVNL	KHARA HPS	Hydro	3	24	1992
56	NR	Uttar Pradesh	State Sector	UPJVNL	MATATILA HPS	Hydro	1	10.2	1965
	NR	Uttar Pradesh	State Sector	UPJVNL	MATATILA HPS	Hydro	2	10.2	1965
	NR	Uttar Pradesh	State Sector	UPJVNL	MATATILA HPS	Hydro	3	10.2	1965
57	NR	Uttar Pradesh	State Sector	UPJVNL	OBRA HPS	Hydro	1	33	1970
	NR	Uttar Pradesh	State Sector	UPJVNL	OBRA HPS	Hydro	2	33	1970
	NR	Uttar Pradesh	State Sector	UPJVNL	OBRA HPS	Hydro	3	33	1971
58	NR	Uttar Pradesh	State Sector	UPJVNL	RIHAND HPS	Hydro	1	50	1961
	NR	Uttar Pradesh	State Sector	UPJVNL	RIHAND HPS	Hydro	2	50	1961
	NR	Uttar Pradesh	State Sector	UPJVNL	RIHAND HPS	Hydro	3	50	1961
	NR	Uttar Pradesh	State Sector	UPJVNL	RIHAND HPS	Hydro	4	50	1961
	NR	Uttar Pradesh	State Sector	UPJVNL	RIHAND HPS	Hydro	5	50	1961
	NR	Uttar Pradesh	State Sector	UPJVNL	RIHAND HPS	Hydro	6	50	1965
	NR	**Uttar Pradesh Total**						**501.6**	
59	NR	Uttarakhand	Central Sector	NHPC	DHAULI GANGA HPS	Hydro	1	70	2005
	NR	Uttarakhand	Central Sector	NHPC	DHAULI GANGA HPS	Hydro	2	70	2005
	NR	Uttarakhand	Central Sector	NHPC	DHAULI GANGA HPS	Hydro	3	70	2005
	NR	Uttarakhand	Central Sector	NHPC	DHAULI GANGA HPS	Hydro	4	70	2005
60	NR	Uttarakhand	Central Sector	NHPC	TANAKPUR HPS	Hydro	1	31.4	1992
	NR	Uttarakhand	Central Sector	NHPC	TANAKPUR HPS	Hydro	2	31.4	1992
	NR	Uttarakhand	Central Sector	NHPC	TANAKPUR HPS	Hydro	3	31.4	1992
61	NR	Uttarakhand	Central Sector	SJVNL	NAITWAR MORI HEP	Hydro	1	30	2023
	NR	Uttarakhand	Central Sector	SJVNL	NAITWAR MORI HEP	Hydro	2	30	2023
62	NR	Uttarakhand	Central Sector	THDC	KOTESHWAR HPS	Hydro	1	100	2011
	NR	Uttarakhand	Central Sector	THDC	KOTESHWAR HPS	Hydro	2	100	2011
	NR	Uttarakhand	Central Sector	THDC	KOTESHWAR HPS	Hydro	3	100	2012
	NR	Uttarakhand	Central Sector	THDC	KOTESHWAR HPS	Hydro	4	100	2012
63	NR	Uttarakhand	Central Sector	THDC	TEHRI ST-1 HPS	Hydro	1	250	2007
	NR	Uttarakhand	Central Sector	THDC	TEHRI ST-1 HPS	Hydro	2	250	2007
	NR	Uttarakhand	Central Sector	THDC	TEHRI ST-1 HPS	Hydro	3	250	2006
	NR	Uttarakhand	Central Sector	THDC	TEHRI ST-1 HPS	Hydro	4	250	2006
64	NR	Uttarakhand	Private Sector	AHPC (GVK)	SHRINAGAR HPS	Hydro	1	82.5	2015
	NR	Uttarakhand	Private Sector	AHPC (GVK)	SHRINAGAR HPS	Hydro	2	82.5	2015
	NR	Uttarakhand	Private Sector	AHPC (GVK)	SHRINAGAR HPS	Hydro	3	82.5	2015
	NR	Uttarakhand	Private Sector	AHPC (GVK)	SHRINAGAR HPS	Hydro	4	82.5	2015
65	NR	Uttarakhand	Private Sector	JPPVL	VISHNU PRAYAG HPS	Hydro	1	100	2006
	NR	Uttarakhand	Private Sector	JPPVL	VISHNU PRAYAG HPS	Hydro	2	100	2006
	NR	Uttarakhand	Private Sector	JPPVL	VISHNU PRAYAG HPS	Hydro	3	100	2006
	NR	Uttarakhand	Private Sector	JPPVL	VISHNU PRAYAG HPS	Hydro	4	100	2006
66	NR	Uttarakhand	Private Sector	L&T UHL	SINGOLI BHATWARI HPS	Hydro	1	33	2020
	NR	Uttarakhand	Private Sector	L&T UHL	SINGOLI BHATWARI HPS	Hydro	2	33	2020
	NR	Uttarakhand	Private Sector	L&T UHL	SINGOLI BHATWARI HPS	Hydro	3	33	2020
67	NR	Uttarakhand	State Sector	UJVNL	CHIBRO (YAMUNA) HPS	Hydro	1	60	1975
	NR	Uttarakhand	State Sector	UJVNL	CHIBRO (YAMUNA) HPS	Hydro	2	60	1975
	NR	Uttarakhand	State Sector	UJVNL	CHIBRO (YAMUNA) HPS	Hydro	3	60	1975
	NR	Uttarakhand	State Sector	UJVNL	CHIBRO (YAMUNA) HPS	Hydro	4	60	1976
68	NR	Uttarakhand	State Sector	UJVNL	CHILLA HPS	Hydro	1	36	1980
	NR	Uttarakhand	State Sector	UJVNL	CHILLA HPS	Hydro	2	36	1980
	NR	Uttarakhand	State Sector	UJVNL	CHILLA HPS	Hydro	3	36	1980
	NR	Uttarakhand	State Sector	UJVNL	CHILLA HPS	Hydro	4	36	1981
69	NR	Uttarakhand	State Sector	UJVNL	DHAKRANI HPS	Hydro	1	11.25	1965
	NR	Uttarakhand	State Sector	UJVNL	DHAKRANI HPS	Hydro	2	11.25	1966
	NR	Uttarakhand	State Sector	UJVNL	DHAKRANI HPS	Hydro	3	11.25	1970
70	NR	Uttarakhand	State Sector	UJVNL	DHALIPUR HPS	Hydro	1	17	1965
	NR	Uttarakhand	State Sector	UJVNL	DHALIPUR HPS	Hydro	2	17	1966
	NR	Uttarakhand	State Sector	UJVNL	DHALIPUR HPS	Hydro	3	17	1970
71	NR	Uttarakhand	State Sector	UJVNL	KHATIMA HPS	Hydro	1	13.8	1955
	NR	Uttarakhand	State Sector	UJVNL	KHATIMA HPS	Hydro	2	13.8	1956
	NR	Uttarakhand	State Sector	UJVNL	KHATIMA HPS	Hydro	3	13.8	1956
72	NR	Uttarakhand	State Sector	UJVNL	KHODRI HPS	Hydro	1	30	1984
	NR	Uttarakhand	State Sector	UJVNL	KHODRI HPS	Hydro	2	30	1984
	NR	Uttarakhand	State Sector	UJVNL	KHODRI HPS	Hydro	3	30	1984
	NR	Uttarakhand	State Sector	UJVNL	KHODRI HPS	Hydro	4	30	1984
73	NR	Uttarakhand	State Sector	UJVNL	KULHAL HPS	Hydro	1	10	1975
	NR	Uttarakhand	State Sector	UJVNL	KULHAL HPS	Hydro	2	10	1975
	NR	Uttarakhand	State Sector	UJVNL	KULHAL HPS	Hydro	3	10	1975
74	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-I HPS	Hydro	1	30	1984
	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-I HPS	Hydro	2	30	1984
	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-I HPS	Hydro	3	30	1984
75	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-II HPS	Hydro	1	76	2008

	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-II HPS	Hydro	2	76	2008
	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-II HPS	Hydro	3	76	2008
	NR	Uttarakhand	State Sector	UJVNL	MANERI BHALI-II HPS	Hydro	4	76	2008
76	NR	Uttarakhand	State Sector	UJVNL	RAMGANGA HPS	Hydro	1	66	1975
	NR	Uttarakhand	State Sector	UJVNL	RAMGANGA HPS	Hydro	2	66	1976
	NR	Uttarakhand	State Sector	UJVNL	RAMGANGA HPS	Hydro	3	66	1977
77	NR	Uttarakhand	State Sector	UJVNL	VYASI HPS	Hydro	1	60	2022
	NR	Uttarakhand	State Sector	UJVNL	VYASI HPS	Hydro	2	60	2022
	NR	**Uttarakhand Total**						**4035.35**	
	NR	**Northern Region Total**						**19774.27**	
78	WR	Chhattisgarh	State Sector	CSPGCL	HASDEOBANGO HPS	Hydro	1	40	1994
	WR	Chhattisgarh	State Sector	CSPGCL	HASDEOBANGO HPS	Hydro	2	40	1994
	WR	Chhattisgarh	State Sector	CSPGCL	HASDEOBANGO HPS	Hydro	3	40	1995
	WR	**Chhattisgarh Total**						**120**	
79	WR	Gujarat	State Sector	GSECL	KADANA HPS	Hydro	1	60	1990
	WR	Gujarat	State Sector	GSECL	KADANA HPS	Hydro	2	60	1990
	WR	Gujarat	State Sector	GSECL	KADANA HPS	Hydro	3	60	1997
	WR	Gujarat	State Sector	GSECL	KADANA HPS	Hydro	4	60	1998
80	WR	Gujarat	State Sector	GSECL	UKAI HPS	Hydro	1	75	1974
	WR	Gujarat	State Sector	GSECL	UKAI HPS	Hydro	2	75	1974
	WR	Gujarat	State Sector	GSECL	UKAI HPS	Hydro	3	75	1975
	WR	Gujarat	State Sector	GSECL	UKAI HPS	Hydro	4	75	1976
81	WR	Gujarat	State Sector	SSNNL	S SAROVAR CHPH HPS	Hydro	1	50	2004
	WR	Gujarat	State Sector	SSNNL	S SAROVAR CHPH HPS	Hydro	2	50	2004
	WR	Gujarat	State Sector	SSNNL	S SAROVAR CHPH HPS	Hydro	3	50	2004
	WR	Gujarat	State Sector	SSNNL	S SAROVAR CHPH HPS	Hydro	4	50	2004
	WR	Gujarat	State Sector	SSNNL	S SAROVAR CHPH HPS	Hydro	5	50	2004
82	WR	Gujarat	State Sector	SSNNL	S SAROVAR RBPH HPS	Hydro	1	200	2005
	WR	Gujarat	State Sector	SSNNL	S SAROVAR RBPH HPS	Hydro	2	200	2005
	WR	Gujarat	State Sector	SSNNL	S SAROVAR RBPH HPS	Hydro	3	200	2005
	WR	Gujarat	State Sector	SSNNL	S SAROVAR RBPH HPS	Hydro	4	200	2005
	WR	Gujarat	State Sector	SSNNL	S SAROVAR RBPH HPS	Hydro	5	200	2006
	WR	Gujarat	State Sector	SSNNL	S SAROVAR RBPH HPS	Hydro	6	200	2006
	WR	**Gujarat Total**						**1990**	
83	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	1	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	2	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	3	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	4	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	5	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	6	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	7	125	2004
	WR	Madhya Pradesh	Central Sector	NHDC	INDIRA SAGAR HPS	Hydro	8	125	2005
84	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	1	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	2	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	3	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	4	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	5	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	6	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	7	65	2007
	WR	Madhya Pradesh	Central Sector	NHDC	OMKARESHWAR HPS	Hydro	8	65	2007
85	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR TONS-I HPS	Hydro	1	105	1976
	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR TONS-I HPS	Hydro	2	105	1970
	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR TONS-I HPS	Hydro	3	105	1992
86	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR-II HPS	Hydro	1	15	2002
	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR-II HPS	Hydro	2	15	2002
87	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR-III HPS	Hydro	1	20	2000
	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR-III HPS	Hydro	2	20	2001
	WR	Madhya Pradesh	State Sector	MPPGCL	BANSAGAR-III HPS	Hydro	3	20	2002
88	WR	Madhya Pradesh	State Sector	MPPGCL	BARGI HPS	Hydro	1	45	1988
	WR	Madhya Pradesh	State Sector	MPPGCL	BARGI HPS	Hydro	2	45	1988
89	WR	Madhya Pradesh	State Sector	MPPGCL	GANDHI SAGAR HPS	Hydro	1	23	1960
	WR	Madhya Pradesh	State Sector	MPPGCL	GANDHI SAGAR HPS	Hydro	2	23	1960
	WR	Madhya Pradesh	State Sector	MPPGCL	GANDHI SAGAR HPS	Hydro	3	23	1960
	WR	Madhya Pradesh	State Sector	MPPGCL	GANDHI SAGAR HPS	Hydro	4	23	1963
	WR	Madhya Pradesh	State Sector	MPPGCL	GANDHI SAGAR HPS	Hydro	5	23	1966
90	WR	Madhya Pradesh	State Sector	MPPGCL	MADHIKHERA HPS	Hydro	1	20	2006
	WR	Madhya Pradesh	State Sector	MPPGCL	MADHIKHERA HPS	Hydro	2	20	2006
	WR	Madhya Pradesh	State Sector	MPPGCL	MADHIKHERA HPS	Hydro	3	20	2006
91	WR	Madhya Pradesh	State Sector	MPPGCL	RAJGHAT HPS	Hydro	1	15	1999
	WR	Madhya Pradesh	State Sector	MPPGCL	RAJGHAT HPS	Hydro	2	15	1999
	WR	Madhya Pradesh	State Sector	MPPGCL	RAJGHAT HPS	Hydro	3	15	1999
	WR	**Madhya Pradesh Total**						**2235**	
92	WR	Maharashtra	Private Sector	DLHP	BHANDARDHARA HPS ST-II	Hydro	1	34	1996
93	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA HPS	Hydro	1	25	1949
	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA HPS	Hydro	2	25	1927
	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA HPS	Hydro	3	25	1927
	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA HPS	Hydro	4	25	1927
	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA HPS	Hydro	5	25	1927
	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA HPS	Hydro	6	25	1927
94	WR	Maharashtra	Private Sector	TATA MAH.	BHIRA PSS HPS	Hydro	1	150	1995
95	WR	Maharashtra	Private Sector	TATA MAH.	BHIVPURI HPS	Hydro	1	24	1998
	WR	Maharashtra	Private Sector	TATA MAH.	BHIVPURI HPS	Hydro	2	24	1998
	WR	Maharashtra	Private Sector	TATA MAH.	BHIVPURI HPS	Hydro	3	24	1999
	WR	Maharashtra	Private Sector	TATA MAH.	BHIVPURI HPS	Hydro	4	1.5	1997
	WR	Maharashtra	Private Sector	TATA MAH.	BHIVPURI HPS	Hydro	5	1.5	1997
96	WR	Maharashtra	Private Sector	TATA MAH.	KHOPOLI HPS	Hydro	1	24	2002
	WR	Maharashtra	Private Sector	TATA MAH.	KHOPOLI HPS	Hydro	2	24	2003

	WR	Maharashtra	Private Sector	TATA MAH.	KHOPOLI HPS	Hydro	3	24	2001
97	WR	Maharashtra	State Sector	MAHAGENCO	BHIRA TAIL RACE HPS	Hydro	1	40	1988
	WR	Maharashtra	State Sector	MAHAGENCO	BHIRA TAIL RACE HPS	Hydro	2	40	1987
98	WR	Maharashtra	State Sector	MAHAGENCO	GHATGHAR PSS HPS	Hydro	1	125	2008
	WR	Maharashtra	State Sector	MAHAGENCO	GHATGHAR PSS HPS	Hydro	2	125	2008
99	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA DPH HPS	Hydro	1	18	1980
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA DPH HPS	Hydro	2	18	1981
100	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	1	70	1962
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	1	80	1967
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	2	70	1962
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	2	80	1966
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	3	70	1963
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	3	80	1967
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	4	70	1963
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-I&II HPS	Hydro	4	80	1966
101	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-III HPS	Hydro	1	80	1975
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-III HPS	Hydro	2	80	1976
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-III HPS	Hydro	3	80	1977
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-III HPS	Hydro	4	80	1978
102	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-IV HPS	Hydro	1	250	2000
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-IV HPS	Hydro	2	250	2000
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-IV HPS	Hydro	3	250	1999
	WR	Maharashtra	State Sector	MAHAGENCO	KOYNA-IV HPS	Hydro	4	250	1999
103	WR	Maharashtra	State Sector	MAHAGENCO	TILLARI HPS	Hydro	1	60	1986
104	WR	Maharashtra	State Sector	MAHAGENCO	VAITARNA HPS	Hydro	1	60	1976
105	WR	Maharashtra	State Sector	MPPGCL	PENCH HPS	Hydro	1	80	1986
	WR	Maharashtra	State Sector	MPPGCL	PENCH HPS	Hydro	2	80	1987
	WR	**Maharashtra Total**						**3047**	
	WR	**Western Region Total**						**7392**	
106	SR	Andhra Pradesh	State Sector	APGENCO	LOWER SILERU HPS	Hydro	1	115	1976
	SR	Andhra Pradesh	State Sector	APGENCO	LOWER SILERU HPS	Hydro	2	115	1976
	SR	Andhra Pradesh	State Sector	APGENCO	LOWER SILERU HPS	Hydro	3	115	1977
	SR	Andhra Pradesh	State Sector	APGENCO	LOWER SILERU HPS	Hydro	4	115	1978
107	SR	Andhra Pradesh	State Sector	APGENCO	NAGARJUN SGR RBC HPS	Hydro	1	30	1983
	SR	Andhra Pradesh	State Sector	APGENCO	NAGARJUN SGR RBC HPS	Hydro	2	30	1990
	SR	Andhra Pradesh	State Sector	APGENCO	NAGARJUN SGR RBC HPS	Hydro	3	30	1983
108	SR	Andhra Pradesh	State Sector	APGENCO	NAGARJUN SGR TPD	Hydro	1	25	2017
	SR	Andhra Pradesh	State Sector	APGENCO	NAGARJUN SGR TPD	Hydro	2	25	2017
109	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	1	110	1982
	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	2	110	1982
	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	3	110	1983
	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	4	110	1984
	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	5	110	1986
	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	6	110	1986
	SR	Andhra Pradesh	State Sector	APGENCO	SRISAILAM HPS	Hydro	7	110	1987
110	SR	Andhra Pradesh	State Sector	APGENCO	UPPER SILERU HPS	Hydro	1	60	1967
	SR	Andhra Pradesh	State Sector	APGENCO	UPPER SILERU HPS	Hydro	2	60	1968
	SR	Andhra Pradesh	State Sector	APGENCO	UPPER SILERU HPS	Hydro	3	60	1994
	SR	Andhra Pradesh	State Sector	APGENCO	UPPER SILERU HPS	Hydro	4	60	1997
	SR	**Andhra Pradesh Total**						**1610**	
111	SR	Karnataka	State Sector	APGENCO	HAMPI HPS	Hydro	1	9	1958
	SR	Karnataka	State Sector	APGENCO	HAMPI HPS	Hydro	2	9	1958
	SR	Karnataka	State Sector	APGENCO	HAMPI HPS	Hydro	3	9	1964
	SR	Karnataka	State Sector	APGENCO	HAMPI HPS	Hydro	4	9	1964
112	SR	Karnataka	State Sector	APGENCO	T B DAM HPS	Hydro	1	9	1957
	SR	Karnataka	State Sector	APGENCO	T B DAM HPS	Hydro	2	9	1957
	SR	Karnataka	State Sector	APGENCO	T B DAM HPS	Hydro	3	9	1964
	SR	Karnataka	State Sector	APGENCO	T B DAM HPS	Hydro	4	9	1964
113	SR	Karnataka	State Sector	KPCL	ALMATTI DPH HPS	Hydro	1	15	2004
	SR	Karnataka	State Sector	KPCL	ALMATTI DPH HPS	Hydro	2	55	2004
	SR	Karnataka	State Sector	KPCL	ALMATTI DPH HPS	Hydro	3	55	2005
	SR	Karnataka	State Sector	KPCL	ALMATTI DPH HPS	Hydro	4	55	2004
	SR	Karnataka	State Sector	KPCL	ALMATTI DPH HPS	Hydro	5	55	2005
	SR	Karnataka	State Sector	KPCL	ALMATTI DPH HPS	Hydro	6	55	2005
114	SR	Karnataka	State Sector	KPCL	BHADRA HPS	Hydro	1	2	1962
	SR	Karnataka	State Sector	KPCL	BHADRA HPS	Hydro	2	12	1963
	SR	Karnataka	State Sector	KPCL	BHADRA HPS	Hydro	3	12	1963
115	SR	Karnataka	State Sector	KPCL	GERUSUPPA HPS	Hydro	1	60	2001
	SR	Karnataka	State Sector	KPCL	GERUSUPPA HPS	Hydro	2	60	2001
	SR	Karnataka	State Sector	KPCL	GERUSUPPA HPS	Hydro	3	60	2001
	SR	Karnataka	State Sector	KPCL	GERUSUPPA HPS	Hydro	4	60	2002
116	SR	Karnataka	State Sector	KPCL	GHAT PRABHA HPS	Hydro	1	16	1992
	SR	Karnataka	State Sector	KPCL	GHAT PRABHA HPS	Hydro	2	16	1992
117	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	1	13.2	2001
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	2	13.2	1949
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	3	13.2	1949
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	4	13.2	1950
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	5	21.6	1952
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	6	21.6	1952
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	7	21.6	1952
	SR	Karnataka	State Sector	KPCL	JOG HPS	Hydro	8	21.6	2002
118	SR	Karnataka	State Sector	KPCL	KADRA HPS	Hydro	1	50	1997
	SR	Karnataka	State Sector	KPCL	KADRA HPS	Hydro	2	50	1999
	SR	Karnataka	State Sector	KPCL	KADRA HPS	Hydro	3	50	1999
119	SR	Karnataka	State Sector	KPCL	KALINADI HPS	Hydro	1	150	1979
	SR	Karnataka	State Sector	KPCL	KALINADI HPS	Hydro	2	150	1980
	SR	Karnataka	State Sector	KPCL	KALINADI HPS	Hydro	3	150	1981

	SR	Karnataka	State Sector	KPCL	KALINADI HPS	Hydro	4	150	1982
	SR	Karnataka	State Sector	KPCL	KALINADI HPS	Hydro	5	150	1983
	SR	Karnataka	State Sector	KPCL	KALINADI HPS	Hydro	6	150	1984
120	SR	Karnataka	State Sector	KPCL	KALINADI SUPA HPS	Hydro	1	50	1985
	SR	Karnataka	State Sector	KPCL	KALINADI SUPA HPS	Hydro	2	50	1985
121	SR	Karnataka	State Sector	KPCL	KODASALI HPS	Hydro	1	40	1998
	SR	Karnataka	State Sector	KPCL	KODASALI HPS	Hydro	2	40	1999
	SR	Karnataka	State Sector	KPCL	KODASALI HPS	Hydro	3	40	1999
122	SR	Karnataka	State Sector	KPCL	LIGANAMAKKI HPS	Hydro	1	27.5	1979
	SR	Karnataka	State Sector	KPCL	LIGANAMAKKI HPS	Hydro	2	27.5	1980
123	SR	Karnataka	State Sector	KPCL	MUNIRABAD HPS	Hydro	1	9	1962
	SR	Karnataka	State Sector	KPCL	MUNIRABAD HPS	Hydro	2	9	1962
	SR	Karnataka	State Sector	KPCL	MUNIRABAD HPS	Hydro	3	10	1965
124	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	1	103.5	1965
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	2	103.5	1965
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	3	103.5	1967
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	4	103.5	1967
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	5	103.5	1968
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	6	103.5	1968
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	7	103.5	1968
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	8	103.5	1971
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	9	103.5	1976
	SR	Karnataka	State Sector	KPCL	SHARAVATHI HPS	Hydro	10	103.5	1977
125	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	1	3	1922
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	2	3	1924
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	3	3	1924
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	4	3	1925
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	5	3	1923
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	6	3	1924
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	7	6	1928
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	8	6	1934
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	9	6	1928
	SR	Karnataka	State Sector	KPCL	SIVASAMUNDRUM HPS	Hydro	10	6	1928
126	SR	Karnataka	State Sector	KPCL	VARAHI HPS	Hydro	1	115	2009
	SR	Karnataka	State Sector	KPCL	VARAHI HPS	Hydro	2	115	2009
	SR	Karnataka	State Sector	KPCL	VARAHI HPS	Hydro	3	115	1989
	SR	Karnataka	State Sector	KPCL	VARAHI HPS	Hydro	4	115	1990
	SR	**Karnataka Total**						**3689.2**	
127	SR	Kerala	State Sector	KSEB	IDAMALAYAR HPS	Hydro	1	37.5	1987
	SR	Kerala	State Sector	KSEB	IDAMALAYAR HPS	Hydro	2	37.5	1987
128	SR	Kerala	State Sector	KSEB	IDUKKI HPS	Hydro	1	130	1976
	SR	Kerala	State Sector	KSEB	IDUKKI HPS	Hydro	2	130	1976
	SR	Kerala	State Sector	KSEB	IDUKKI HPS	Hydro	3	130	1976
	SR	Kerala	State Sector	KSEB	IDUKKI HPS	Hydro	4	130	1985
	SR	Kerala	State Sector	KSEB	IDUKKI HPS	Hydro	5	130	1986
	SR	Kerala	State Sector	KSEB	IDUKKI HPS	Hydro	6	130	1986
129	SR	Kerala	State Sector	KSEB	KAKKAD HPS	Hydro	1	25	1999
	SR	Kerala	State Sector	KSEB	KAKKAD HPS	Hydro	2	25	1999
130	SR	Kerala	State Sector	KSEB	KUTTIYADI ADDL EXTN	Hydro	1	50	2001
	SR	Kerala	State Sector	KSEB	KUTTIYADI ADDL EXTN	Hydro	2	50	2010
131	SR	Kerala	State Sector	KSEB	KUTTIYADI EXTN HPS	Hydro	4	50	2010
132	SR	Kerala	State Sector	KSEB	KUTTIYADI HPS	Hydro	1	25	1972
	SR	Kerala	State Sector	KSEB	KUTTIYADI HPS	Hydro	2	25	1972
	SR	Kerala	State Sector	KSEB	KUTTIYADI HPS	Hydro	3	25	1972
133	SR	Kerala	State Sector	KSEB	LOWER PERIYAR HPS	Hydro	1	60	1997
	SR	Kerala	State Sector	KSEB	LOWER PERIYAR HPS	Hydro	2	60	1997
	SR	Kerala	State Sector	KSEB	LOWER PERIYAR HPS	Hydro	3	60	1997
134	SR	Kerala	State Sector	KSEB	NARIAMANGLAM HPS	Hydro	1	17.55	1961
	SR	Kerala	State Sector	KSEB	NARIAMANGLAM HPS	Hydro	2	17.55	1961
	SR	Kerala	State Sector	KSEB	NARIAMANGLAM HPS	Hydro	3	17.55	1963
135	SR	Kerala	State Sector	KSEB	PALLIVASAL HPS	Hydro	1	5	2001
	SR	Kerala	State Sector	KSEB	PALLIVASAL HPS	Hydro	2	5	2001
	SR	Kerala	State Sector	KSEB	PALLIVASAL HPS	Hydro	3	5	2001
	SR	Kerala	State Sector	KSEB	PALLIVASAL HPS	Hydro	4	7.5	1948
	SR	Kerala	State Sector	KSEB	PALLIVASAL HPS	Hydro	5	7.5	1949
	SR	Kerala	State Sector	KSEB	PALLIVASAL HPS	Hydro	6	7.5	1951
136	SR	Kerala	State Sector	KSEB	PANNIAR HPS	Hydro	1	15	1963
	SR	Kerala	State Sector	KSEB	PANNIAR HPS	Hydro	2	15	2001
137	SR	Kerala	State Sector	KSEB	PORINGALKUTTU HPS	Hydro	1	8	1957
	SR	Kerala	State Sector	KSEB	PORINGALKUTTU HPS	Hydro	2	8	1958
	SR	Kerala	State Sector	KSEB	PORINGALKUTTU HPS	Hydro	3	8	1959
	SR	Kerala	State Sector	KSEB	PORINGALKUTTU HPS	Hydro	4	8	1960
138	SR	Kerala	State Sector	KSEB	SABARIGIRI HPS	Hydro	1	50	1967
	SR	Kerala	State Sector	KSEB	SABARIGIRI HPS	Hydro	2	50	1960
	SR	Kerala	State Sector	KSEB	SABARIGIRI HPS	Hydro	3	50	1966
	SR	Kerala	State Sector	KSEB	SABARIGIRI HPS	Hydro	4	50	1967
	SR	Kerala	State Sector	KSEB	SABARIGIRI HPS	Hydro	5	50	1967
	SR	Kerala	State Sector	KSEB	SABARIGIRI HPS	Hydro	6	50	1967
139	SR	Kerala	State Sector	KSEB	SENGULAM HPS	Hydro	1	12	1954
	SR	Kerala	State Sector	KSEB	SENGULAM HPS	Hydro	2	12	1954
	SR	Kerala	State Sector	KSEB	SENGULAM HPS	Hydro	3	12	2001
	SR	Kerala	State Sector	KSEB	SENGULAM HPS	Hydro	4	12	2001
140	SR	Kerala	State Sector	KSEB	SHOLAYAR HPS	Hydro	1	18	1956
	SR	Kerala	State Sector	KSEB	SHOLAYAR HPS	Hydro	2	18	1968
	SR	Kerala	State Sector	KSEB	SHOLAYAR HPS	Hydro	3	18	1968
	SR	**Kerala Total**						**1864.15**	
141	SR	Tamil Nadu	State Sector	TANGEDCO	ALIYAR HPS	Hydro	1	60	1970

142	SR	Tamil Nadu	State Sector	TANGEDCO	BHAWANI BARRAGE-II HPS	Hydro	1	15	2013
	SR	Tamil Nadu	State Sector	TANGEDCO	BHAWANI BARRAGE-II HPS	Hydro	2	15	2013
143	SR	Tamil Nadu	State Sector	TANGEDCO	BHAWANI BARRAGE-III HPS	Hydro	1	15	2012
	SR	Tamil Nadu	State Sector	TANGEDCO	BHAWANI BARRAGE-III HPS	Hydro	2	15	2013
144	SR	Tamil Nadu	State Sector	TANGEDCO	BHAWANI KATTAL	Hydro	1	15	2006
	SR	Tamil Nadu	State Sector	TANGEDCO	BHAWANI KATTAL	Hydro	2	15	2006
145	SR	Tamil Nadu	State Sector	TANGEDCO	KADAMPARI HPS	Hydro	1	100	1987
	SR	Tamil Nadu	State Sector	TANGEDCO	KADAMPARI HPS	Hydro	2	100	1988
	SR	Tamil Nadu	State Sector	TANGEDCO	KADAMPARI HPS	Hydro	3	100	1989
	SR	Tamil Nadu	State Sector	TANGEDCO	KADAMPARI HPS	Hydro	4	100	1988
146	SR	Tamil Nadu	State Sector	TANGEDCO	KODAYAR-I HPS	Hydro	1	60	1970
147	SR	Tamil Nadu	State Sector	TANGEDCO	KODAYAR-II HPS	Hydro	2	40	1971
148	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-I HPS	Hydro	1	20	1960
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-I HPS	Hydro	2	20	1960
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-I HPS	Hydro	3	20	1964
149	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-II HPS	Hydro	4	35	1960
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-II HPS	Hydro	5	35	1961
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-II HPS	Hydro	6	35	1961
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-II HPS	Hydro	7	35	1961
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-II HPS	Hydro	8	35	1964
150	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-III HPS	Hydro	9	60	1965
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-III HPS	Hydro	10	60	1964
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-III HPS	Hydro	11	60	1978
151	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-IV HPS	Hydro	12	50	1966
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-IV HPS	Hydro	13	50	1978
152	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-V HPS	Hydro	14	20	1964
	SR	Tamil Nadu	State Sector	TANGEDCO	KUNDAH-V HPS	Hydro	15	20	1988
153	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-I HPS	Hydro	1	15	1988
	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-I HPS	Hydro	2	15	1988
154	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-II HPS	Hydro	3	15	1988
	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-II HPS	Hydro	4	15	1988
155	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-III HPS	Hydro	5	15	1988
	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-III HPS	Hydro	6	15	1987
156	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-IV HPS	Hydro	7	15	1989
	SR	Tamil Nadu	State Sector	TANGEDCO	LOWER METTUR-IV HPS	Hydro	8	15	1988
157	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR DAM HPS	Hydro	1	12.5	1937
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR DAM HPS	Hydro	2	12.5	1937
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR DAM HPS	Hydro	3	12.5	1938
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR DAM HPS	Hydro	4	12.5	1946
158	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TUNNEL HPS	Hydro	1	50	1965
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TUNNEL HPS	Hydro	2	50	1966
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TUNNEL HPS	Hydro	3	50	1966
	SR	Tamil Nadu	State Sector	TANGEDCO	METTUR TUNNEL HPS	Hydro	4	50	1966
159	SR	Tamil Nadu	State Sector	TANGEDCO	MOYAR HPS	Hydro	1	12	1952
	SR	Tamil Nadu	State Sector	TANGEDCO	MOYAR HPS	Hydro	2	12	1952
	SR	Tamil Nadu	State Sector	TANGEDCO	MOYAR HPS	Hydro	3	12	1953
160	SR	Tamil Nadu	State Sector	TANGEDCO	PAPANASAM HPS	Hydro	1	8	1944
	SR	Tamil Nadu	State Sector	TANGEDCO	PAPANASAM HPS	Hydro	2	8	1944
	SR	Tamil Nadu	State Sector	TANGEDCO	PAPANASAM HPS	Hydro	3	8	1945
	SR	Tamil Nadu	State Sector	TANGEDCO	PAPANASAM HPS	Hydro	4	8	1951
161	SR	Tamil Nadu	State Sector	TANGEDCO	PARSON`S VALLEY HPS	Hydro	1	30	2000
162	SR	Tamil Nadu	State Sector	TANGEDCO	PERIYAR HPS	Hydro	1	42	1958
	SR	Tamil Nadu	State Sector	TANGEDCO	PERIYAR HPS	Hydro	2	42	1959
	SR	Tamil Nadu	State Sector	TANGEDCO	PERIYAR HPS	Hydro	3	42	1959
	SR	Tamil Nadu	State Sector	TANGEDCO	PERIYAR HPS	Hydro	4	35	1965
163	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA HPS	Hydro	1	7	1932
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA HPS	Hydro	2	7	1932
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA HPS	Hydro	3	7	1932
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA HPS	Hydro	4	13.6	1954
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA HPS	Hydro	5	13.6	1954
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA HPS	Hydro	7	11	1939
164	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA ULTMATE HPS	Hydro	1	50	2005
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA ULTMATE HPS	Hydro	2	50	2005
	SR	Tamil Nadu	State Sector	TANGEDCO	PYKARA ULTMATE HPS	Hydro	3	50	2005
165	SR	Tamil Nadu	State Sector	TANGEDCO	SARKARPATHY HPS	Hydro	1	30	1966
166	SR	Tamil Nadu	State Sector	TANGEDCO	SHOLAYAR HPS (TN)	Hydro	1	35	1971
	SR	Tamil Nadu	State Sector	TANGEDCO	SHOLAYAR HPS (TN)	Hydro	2	35	1971
167	SR	Tamil Nadu	State Sector	TANGEDCO	SURULIYAR HPS	Hydro	1	35	1978
	SR	**Tamil Nadu Total**						**2178.2**	
168	SR	Telangana	State Sector	TSGENCO	LOWER JURALA HPS	Hydro	1	40	2015
	SR	Telangana	State Sector	TSGENCO	LOWER JURALA HPS	Hydro	2	40	2015
	SR	Telangana	State Sector	TSGENCO	LOWER JURALA HPS	Hydro	3	40	2016
	SR	Telangana	State Sector	TSGENCO	LOWER JURALA HPS	Hydro	4	40	2016
	SR	Telangana	State Sector	TSGENCO	LOWER JURALA HPS	Hydro	5	40	2016
	SR	Telangana	State Sector	TSGENCO	LOWER JURALA HPS	Hydro	6	40	2016
169	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	1	110	1978
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	2	100.8	1980
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	3	100.8	1981
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	4	100.8	1982
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	5	100.8	1983
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	6	100.8	1984
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	7	100.8	1985
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR HPS	Hydro	8	100.8	1985
170	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR LBC HPS	Hydro	1	30	1983
	SR	Telangana	State Sector	TSGENCO	NAGARJUN SGR LBC HPS	Hydro	2	30	1983
171	SR	Telangana	State Sector	TSGENCO	POCHAMPAD HPS	Hydro	1	9	1987
	SR	Telangana	State Sector	TSGENCO	POCHAMPAD HPS	Hydro	2	9	1987

	SR	**Telangana**	State Sector	TSGENCO	POCHAMPAD HPS	Hydro	3	9	1988
	SR	Telangana	State Sector	TSGENCO	POCHAMPAD HPS	Hydro	4	9	2010
172	SR	Telangana	State Sector	TSGENCO	PRIYADARSHNI JURALA HPS	Hydro	1	39	2008
	SR	Telangana	State Sector	TSGENCO	PRIYADARSHNI JURALA HPS	Hydro	2	39	2008
	SR	Telangana	State Sector	TSGENCO	PRIYADARSHNI JURALA HPS	Hydro	3	39	2009
	SR	Telangana	State Sector	TSGENCO	PRIYADARSHNI JURALA HPS	Hydro	4	39	2010
	SR	Telangana	State Sector	TSGENCO	PRIYADARSHNI JURALA HPS	Hydro	5	39	2010
	SR	Telangana	State Sector	TSGENCO	PRIYADARSHNI JURALA HPS	Hydro	6	39	2011
173	SR	Telangana	State Sector	TSGENCO	PULICHINTALA HPS	Hydro	1	30	2016
	SR	Telangana	State Sector	TSGENCO	PULICHINTALA HPS	Hydro	2	30	2017
	SR	Telangana	State Sector	TSGENCO	PULICHINTALA HPS	Hydro	3	30	2017
	SR	Telangana	State Sector	TSGENCO	PULICHINTALA HPS	Hydro	4	30	2018
174	SR	Telangana	State Sector	TSGENCO	SRISAILAM LB HPS	Hydro	1	150	2001
	SR	Telangana	State Sector	TSGENCO	SRISAILAM LB HPS	Hydro	2	150	2001
	SR	Telangana	State Sector	TSGENCO	SRISAILAM LB HPS	Hydro	3	150	2002
	SR	Telangana	State Sector	TSGENCO	SRISAILAM LB HPS	Hydro	4	150	2002
	SR	Telangana	State Sector	TSGENCO	SRISAILAM LB HPS	Hydro	5	150	2003
	SR	Telangana	State Sector	TSGENCO	SRISAILAM LB HPS	Hydro	6	150	2003
	SR	**Telangana Total**						**2405.6**	
	SR	**Southern Region**						**11747.15**	
175	ER	Jharkhand	Central Sector	DVC	PANCHET HPS	Hydro	1	40	1959
	ER	Jharkhand	Central Sector	DVC	PANCHET HPS	Hydro	2	40	1990
176	ER	Jharkhand	State Sector	JUUNL	SUBERNREKHA-I HPS	Hydro	1	65	1977
177	ER	Jharkhand	State Sector	JUUNL	SUBERNREKHA-II HPS	Hydro	2	65	1980
	ER	**Jharkhand Total**						**210**	
178	ER	Odisha	State Sector	APGENCO	MACHKUND HPS	Hydro	1	21.25	1959
	ER	Odisha	State Sector	APGENCO	MACHKUND HPS	Hydro	2	21.25	1959
	ER	Odisha	State Sector	APGENCO	MACHKUND HPS	Hydro	3	21.25	1959
	ER	Odisha	State Sector	APGENCO	MACHKUND HPS	Hydro	4	17	1959
	ER	Odisha	State Sector	APGENCO	MACHKUND HPS	Hydro	5	17	1959
	ER	Odisha	State Sector	APGENCO	MACHKUND HPS	Hydro	6	17	1959
179	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	1	60	1973
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	2	60	1974
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	3	60	1974
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	4	60	1975
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	5	60	1976
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	6	60	1970
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	7	75	2008
	ER	Odisha	State Sector	OHPC	BALIMELA HPS	Hydro	8	75	2008
180	ER	Odisha	State Sector	OHPC	CHIPLIMA HPS	Hydro	1	24	1962
	ER	Odisha	State Sector	OHPC	CHIPLIMA HPS	Hydro	2	24	1962
	ER	Odisha	State Sector	OHPC	CHIPLIMA HPS	Hydro	3	24	1964
181	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	1	49.5	1956
	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	2	49.5	1957
	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	3	32	1956
	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	4	32	1957
	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	5	43.65	1962
	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	6	43.65	1963
	ER	Odisha	State Sector	OHPC	HIRAKUD HPS	Hydro	7	37.5	1990
182	ER	Odisha	State Sector	OHPC	RENGALI HPS	Hydro	1	50	1985
	ER	Odisha	State Sector	OHPC	RENGALI HPS	Hydro	2	50	1986
	ER	Odisha	State Sector	OHPC	RENGALI HPS	Hydro	3	50	1989
	ER	Odisha	State Sector	OHPC	RENGALI HPS	Hydro	4	50	1990
	ER	Odisha	State Sector	OHPC	RENGALI HPS	Hydro	5	50	1992
183	ER	Odisha	State Sector	OHPC	UPPER INDRAVATI HPS	Hydro	1	150	1999
	ER	Odisha	State Sector	OHPC	UPPER INDRAVATI HPS	Hydro	2	150	1999
	ER	Odisha	State Sector	OHPC	UPPER INDRAVATI HPS	Hydro	3	150	2000
	ER	Odisha	State Sector	OHPC	UPPER INDRAVATI HPS	Hydro	4	150	2001
184	ER	Odisha	State Sector	OHPC	UPPER KOLAB HPS	Hydro	1	80	1988
	ER	Odisha	State Sector	OHPC	UPPER KOLAB HPS	Hydro	2	80	1989
	ER	Odisha	State Sector	OHPC	UPPER KOLAB HPS	Hydro	3	80	1990
	ER	Odisha	State Sector	OHPC	UPPER KOLAB HPS	Hydro	4	80	1993
	ER	**Odisha Total**						**2154.55**	
185	ER	Sikkim	Central Sector	NHPC	RANGIT HPS	Hydro	1	20	2000
	ER	Sikkim	Central Sector	NHPC	RANGIT HPS	Hydro	2	20	2000
	ER	Sikkim	Central Sector	NHPC	RANGIT HPS	Hydro	3	20	2000
186	ER	Sikkim	Central Sector	NHPC	TEESTA V HPS	Hydro	1	170	2008
	ER	Sikkim	Central Sector	NHPC	TEESTA V HPS	Hydro	2	170	2008
	ER	Sikkim	Central Sector	NHPC	TEESTA V HPS	Hydro	3	170	2008
187	ER	Sikkim	Private Sector	DEPL	JORETHANG LOOP	Hydro	1	48	2015
	ER	Sikkim	Private Sector	DEPL	JORETHANG LOOP	Hydro	2	48	2015
188	ER	Sikkim	Private Sector	GIPL	CHUZACHEN HPS	Hydro	1	55	2013
	ER	Sikkim	Private Sector	GIPL	CHUZACHEN HPS	Hydro	2	55	2013
189	ER	Sikkim	Private Sector	MBPCL	RONGNICHU HPS	Hydro	1	56.5	2021
	ER	Sikkim	Private Sector	MBPCL	RONGNICHU HPS	Hydro	2	56.5	2021
190	ER	Sikkim	Private Sector	SEPL	TASHIDING HPS	Hydro	1	48.5	2017
	ER	Sikkim	Private Sector	SEPL	TASHIDING HPS	Hydro	2	48.5	2017
191	ER	Sikkim	Private Sector	SKPPPL	DIKCHU HPS	Hydro	1	48	2017
	ER	Sikkim	Private Sector	SKPPPL	DIKCHU HPS	Hydro	2	48	2017
192	ER	Sikkim	State Sector	TUL	TEESTA-III HPS	Hydro	1	200	2017
	ER	Sikkim	State Sector	TUL	TEESTA-III HPS	Hydro	2	200	2017
	ER	Sikkim	State Sector	TUL	TEESTA-III HPS	Hydro	3	200	2017
	ER	Sikkim	State Sector	TUL	TEESTA-III HPS	Hydro	4	200	2017
	ER	Sikkim	State Sector	TUL	TEESTA-III HPS	Hydro	5	200	2017
	ER	Sikkim	State Sector	TUL	TEESTA-III HPS	Hydro	6	200	2017
	ER	**Sikkim Total**						**2282**	
193	ER	West Bengal	Central Sector	DVC	MAITHON HPS	Hydro	1	20	1957

	ER	West Bengal	Central Sector	DVC	MAITHON HPS	Hydro	2	23.2	1958
	ER	West Bengal	Central Sector	DVC	MAITHON HPS	Hydro	3	20	1958
194	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-III HPS	Hydro	1	33	2013
	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-III HPS	Hydro	2	33	2013
	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-III HPS	Hydro	3	33	2013
	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-III HPS	Hydro	4	33	2013
195	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-IV HPS	Hydro	1	40	2016
	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-IV HPS	Hydro	2	40	2016
	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-IV HPS	Hydro	3	40	2016
	ER	West Bengal	Central Sector	NHPC	TEESTA LOW DAM-IV HPS	Hydro	4	40	2016
196	ER	West Bengal	State Sector	WBSEDCL	JALDHAKA HPS ST-I	Hydro	1	9	1967
	ER	West Bengal	State Sector	WBSEDCL	JALDHAKA HPS ST-I	Hydro	2	9	1967
	ER	West Bengal	State Sector	WBSEDCL	JALDHAKA HPS ST-I	Hydro	3	9	1972
	ER	West Bengal	State Sector	WBSEDCL	JALDHAKA HPS ST-I	Hydro	4	9	2012
197	ER	West Bengal	State Sector	WBSEDCL	PURULIA PSS HPS	Hydro	1	225	2007
	ER	West Bengal	State Sector	WBSEDCL	PURULIA PSS HPS	Hydro	2	225	2007
	ER	West Bengal	State Sector	WBSEDCL	PURULIA PSS HPS	Hydro	3	225	2007
	ER	West Bengal	State Sector	WBSEDCL	PURULIA PSS HPS	Hydro	4	225	2007
198	ER	West Bengal	State Sector	WBSEDCL	RAMMAM HPS	Hydro	1	12.5	1995
	ER	West Bengal	State Sector	WBSEDCL	RAMMAM HPS	Hydro	2	12.5	1995
	ER	West Bengal	State Sector	WBSEDCL	RAMMAM HPS	Hydro	3	12.5	1996
	ER	West Bengal	State Sector	WBSEDCL	RAMMAM HPS	Hydro	4	12.5	1996
	ER	**West Bengal Total**						**1341.2**	
	ER	**Eastern Region Total**						**5987.75**	
199	NER	Arunachal Pradesh	Central Sector	NEEPCO.	KAMENG HPS	Hydro	1	150	2020
	NER	Arunachal Pradesh	Central Sector	NEEPCO.	KAMENG HPS	Hydro	2	150	2020
	NER	Arunachal Pradesh	Central Sector	NEEPCO.	KAMENG HPS	Hydro	3	150	2021
	NER	Arunachal Pradesh	Central Sector	NEEPCO.	KAMENG HPS	Hydro	4	150	2021
200	NER	Arunachal Pradesh	Central Sector	NEEPCO.	PARE	Hydro	1	55	2018
	NER	Arunachal Pradesh	Central Sector	NEEPCO.	PARE	Hydro	2	55	2018
201	NER	Arunachal Pradesh	Central Sector	NEEPCO.	RANGANADI HPS	Hydro	1	135	2002
	NER	Arunachal Pradesh	Central Sector	NEEPCO.	RANGANADI HPS	Hydro	2	135	2002
	NER	Arunachal Pradesh	Central Sector	NEEPCO.	RANGANADI HPS	Hydro	3	135	2002
	NER	**Arunachal Pradesh Total**						**1115**	
202	NER	Assam	Central Sector	NEEPCO.	KHONDONG HPS	Hydro	1	25	1984
	NER	Assam	Central Sector	NEEPCO.	KHONDONG HPS	Hydro	2	25	1984
203	NER	Assam	Central Sector	NEEPCO.	KOPILI HPS	Hydro	1	50	1988
	NER	Assam	Central Sector	NEEPCO.	KOPILI HPS	Hydro	2	50	1988
	NER	Assam	Central Sector	NEEPCO.	KOPILI HPS	Hydro	3	50	1997
	NER	Assam	Central Sector	NEEPCO.	KOPILI HPS	Hydro	4	50	1997
204	NER	Assam	State Sector	APGCL	KARBI LANGPI HPS	Hydro	1	50	2007
	NER	Assam	State Sector	APGCL	KARBI LANGPI HPS	Hydro	2	50	2007
	NER	**Assam Total**						**350**	
205	NER	Manipur	Central Sector	NHPC	LOKTAK HPS	Hydro	1	35	1983
	NER	Manipur	Central Sector	NHPC	LOKTAK HPS	Hydro	2	35	1983
	NER	Manipur	Central Sector	NHPC	LOKTAK HPS	Hydro	3	35	1983
	NER	**Manipur Total**						**105**	
206	NER	Meghalaya	State Sector	MeECL	KYRDEMKULAI HPS	Hydro	1	30	1979
	NER	Meghalaya	State Sector	MeECL	KYRDEMKULAI HPS	Hydro	2	30	1979
207	NER	Meghalaya	State Sector	MeECL	MYNTDU(LESHKA) St-1 HPS	Hydro	1	42	2011
	NER	Meghalaya	State Sector	MeECL	MYNTDU(LESHKA) St-1 HPS	Hydro	2	42	2012
	NER	Meghalaya	State Sector	MeECL	MYNTDU(LESHKA) St-1 HPS	Hydro	3	42	2013
208	NER	Meghalaya	State Sector	MeECL	NEW UMTRU HPS	Hydro	1	20	2017
	NER	Meghalaya	State Sector	MeECL	NEW UMTRU HPS	Hydro	2	20	2017
209	NER	Meghalaya	State Sector	MeECL	UMIAM HPS ST-I	Hydro	1	9	1965
	NER	Meghalaya	State Sector	MeECL	UMIAM HPS ST-I	Hydro	2	9	1965
	NER	Meghalaya	State Sector	MeECL	UMIAM HPS ST-I	Hydro	3	9	1965
	NER	Meghalaya	State Sector	MeECL	UMIAM HPS ST-I	Hydro	4	9	1965
210	NER	Meghalaya	State Sector	MeECL	UMIAM HPS ST-IV	Hydro	1	30	1992
	NER	Meghalaya	State Sector	MeECL	UMIAM HPS ST-IV	Hydro	2	30	1992
	NER	**Meghalaya Total**						**322**	
211	NER	Mizoram	Central Sector	NEEPCO.	TUIRIAL HPS	Hydro	1	30	2017
	NER	Mizoram	Central Sector	NEEPCO.	TUIRIAL HPS	Hydro	2	30	2017
	NER	**Mizoram Total**						**60**	
212	NER	Nagaland	Central Sector	NEEPCO.	DOYANG HPS	Hydro	1	25	2000
	NER	Nagaland	Central Sector	NEEPCO.	DOYANG HPS	Hydro	2	25	2000
	NER	Nagaland	Central Sector	NEEPCO.	DOYANG HPS	Hydro	3	25	2000
	NER	**Nagaland Total**						**75**	
	NER	**North-Eastern Total**						**2027**	
	Total All India Hydro							**46928.17**	

APPENDIX-C

List of Nuclear Power Stations as on 31.03.2024

S.No.	Region	State	Sector	Organisation	Name of Project	Prime Mover	Unit No	Installed Capacity(MW)	Year of Comm.
1	NR	Rajasthan	Central Sector	DAE	DAE (RAJASTHAN)	Nuclear	1	100	1972
2	NR	Rajasthan	Central Sector	NPCIL	RAJASTHAN A.P.S.	Nuclear	2	200	1980
	NR	Rajasthan	Central Sector	NPCIL	RAJASTHAN A.P.S.	Nuclear	3	220	2000
	NR	Rajasthan	Central Sector	NPCIL	RAJASTHAN A.P.S.	Nuclear	4	220	2000
	NR	Rajasthan	Central Sector	NPCIL	RAJASTHAN A.P.S.	Nuclear	5	220	2010
	NR	Rajasthan	Central Sector	NPCIL	RAJASTHAN A.P.S.	Nuclear	6	220	2010
	NR	**Rajasthan Total**						**1180**	
3	NR	Uttar Pradesh	Central Sector	NPCIL	NARORA A.P.S.	Nuclear	1	220	1989
	NR	Uttar Pradesh	Central Sector	NPCIL	NARORA A.P.S.	Nuclear	2	220	1992
	NR	**Uttar Pradesh Total**						**440**	
4	WR	Gujarat	Central Sector	NPCIL	KAKRAPARA	Nuclear	1	220	1992
	WR	Gujarat	Central Sector	NPCIL	KAKRAPARA	Nuclear	2	220	1995
	WR	Gujarat	Central Sector	NPCIL	KAKRAPARA	Nuclear	3	700	2023
	WR	Gujarat	Central Sector	NPCIL	KAKRAPARA	Nuclear	4	700	2024
	WR	**Gujarat Total**						**1840**	
5	WR	Maharashtra	Central Sector	NPCIL	TARAPUR	Nuclear	1	160	1960
	WR	Maharashtra	Central Sector	NPCIL	TARAPUR	Nuclear	2	160	1969
	WR	Maharashtra	Central Sector	NPCIL	TARAPUR	Nuclear	3	540	2005
	WR	Maharashtra	Central Sector	NPCIL	TARAPUR	Nuclear	4	540	2006
	WR	**Maharashtra Total**						**1400**	
6	SR	Karnataka	Central Sector	NPCIL	KAIGA	Nuclear	1	220	2000
	SR	Karnataka	Central Sector	NPCIL	KAIGA	Nuclear	2	220	1999
	SR	Karnataka	Central Sector	NPCIL	KAIGA	Nuclear	3	220	2007
	SR	Karnataka	Central Sector	NPCIL	KAIGA	Nuclear	4	220	2011
	SR	**Karnataka Total**						**880**	
7	SR	Tamil Nadu	Central Sector	NPCIL	KUDANKULAM	Nuclear	1	1000	2014
	SR	Tamil Nadu	Central Sector	NPCIL	KUDANKULAM	Nuclear	2	1000	2017
8	SR	Tamil Nadu	Central Sector	NPCIL	MADRAS A.P.S.	Nuclear	1	220	1983
	SR	Tamil Nadu	Central Sector	NPCIL	MADRAS A.P.S.	Nuclear	2	220	1985
	SR	**Tamil Nadu Total**						**2440**	
	Total All India Nuclear							**8180**	