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FOREWORD

Energy is fundamental to human development—from industrial revolution to contribution to near-continuous economic growth of the recent times; the part played by energy as an enabler of modern development and growth can only be described as 'Foundational'.

In 2015, 193 Member States of the United Nations including India, committed to the Post-2015 Development Agenda, adopted with the motto of “No one left behind” and pledging to make our world more prosperous, inclusive, sustainable and resilient. The Goal-7 thereof acknowledges the role of access to affordable, reliable and modern energy services for sustainable path to prosperity and welfare of the most vulnerable.

Deploying renewables and energy-efficient technologies can spur innovation and reinforce local, regional and national industrial and employment objectives. In India, ensuring Indian citizens have access to power and clean cooking by shifting to renewable and efficient modern energy systems; has been at the top of the Country's policy initiatives. Hon'ble Prime Minister of India echoed this sentiment at the UN Summit 2015 recognizing that “We are focusing on the basics: housing, power, water and sanitation for all – important not just for welfare, but also human dignity”.

This publication of Energy Statistics, the 31st in the series, presents an integrated database on Energy Statistics in the country against the financial year 2022-23. Keeping in view the importance of collated statistics of energy resources, this repository serves as a vital instrument in providing a holistic picture of the changing energy scenario of the country. The data in the publication is sourced from different source Ministries/Departments of the Government of India including Ministry of Power, Ministry of Coal, Ministry of Petroleum & Natural Gas and Ministry of New and Renewable Energy etc.

The publication presents a wide portfolio of data on reserves, capacity, production, trade, prices, consumption and energy efficiency parameters and also incorporates environmental impacts of energy systems from the combustion of fuels and fugitive emissions which impact climate changes and stability of different ecosystems.

I hope the publication provides enough evidence to the policy makers in the field of Energy for formulation of key approaches and the needed course corrections on the pathway to sustainable and reliable energy for all.

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(Kal Singh)



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FOREWORD

In the era of rapid development, the need of Energy is indispensable. The growth story of India from being a developing country to becoming a developed country signifies the dynamic economic evolution over time. Energy statistics play a pivotal role in shaping policies, strategies, and investments in the energy sector. They provide valuable insights into the production, consumption, and distribution of energy resources, helping governments, industries, and researchers make informed decisions.

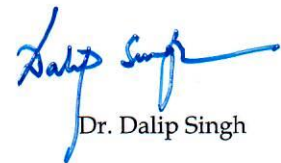
Starting from formation of policies, market analysis, measuring the environmental impact, the resource analysis, international comparison for meeting different commitments; the systematic capturing and dissemination of Energy Statistics of a nation is considered to be the integral part for shaping its' economic prosperity.

The 31st Edition of the publication *Energy Statistics India - 2024*, which has been bought out by the Economic Statistics Division (ESD) under Ministry of Statistics and Programme Implementation, contains a detailed information related to reserve, potential for energy generations, production, international trade and sectoral end-use consumption of all the energy commodities. The required statistics have been sourced from the concerned energy Ministries like Ministry of Power, Ministry of Coal, Ministry of Petroleum & Natural Gas and Ministry of New and Renewable Energy etc. The publication also contains *Energy Commodity Balance, Energy Balance, Sankey Diagram* which are as per the International Guidelines mentioned under IRES (International Recommendation for Energy Statistics). Also, different *Sustainable Energy Indicators* against *Economic Dimension* are computed as per the International standards.

I firmly believe that, this publication will be of great use for all the stakeholders for planning their future policies and understanding the flow of energy in India. Also, the indicators like *Sectoral Energy Intensity, Fuel Share in Consumption/Supply* etc. will help us to understand the existing energy flow pattern and to guide our way to sustainability.

I personally congratulate all the officers who were involved in the process of finalizing the 31st edition of the publication and also would like to extend my thanks to all the stakeholders for providing valuable inputs for the improvement of the publication *Energy Statistics India -2024*.

--- 14th March 2024


Dr. Dalip Singh