



संतोष सारंगी, भा.प्र.से.  
सचिव

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International Year  
of Cooperatives  
2025  
Cooperatives Build  
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भारत सरकार  
नवीन और नवीकरणीय ऊर्जा मंत्रालय  
Government of India  
Ministry of New and Renewable Energy



### FOREWORD

Renewable energy has emerged as a fundamental pillar in India's shift towards a cleaner, more sustainable, and energy-secure future. By offering a viable alternative to traditional fossil fuels, it not only addresses pressing environmental challenges but also underpins long-term economic growth and energy independence. Ministry of New and Renewable Energy (MNRE) is spearheading this transformation, actively shaping the future through development, implementation, and promotion of innovative renewable energy solutions. Through strategic planning and visionary leadership, the Ministry has established a robust foundation to support India's ambitious goal of achieving 500 GW of non-fossil fuel-based installed capacity by 2030. Policy interventions and sector-specific initiatives across solar, wind, small hydro, biomass, and green hydrogen of the Ministry have fostered a vibrant ecosystem that encourages investment, accelerates technology adoption, and generates employment, all while sustainably meeting the nation's rising energy demands.

As a result of the sustained efforts, India's renewable energy sector has experienced remarkable growth, with total installed capacity under renewable sector reaching 220.10 GW as on 31st March 2025. India's continued advancement is particularly significant, maintaining its position as the world's fourth-largest in renewable energy installed capacity for the sixth consecutive year, showcasing the nation's steadfast commitment to the global energy transition and its leadership role in clean energy development. As India advances towards its clean energy objectives, it reaffirms its commitment to leading the global transition towards a sustainable, inclusive, and resilient energy future. While the journey remains challenging, continued innovation, collaboration, and resolve make the vision of a Net-Zero India by 2070, an achievable goal.

To promote transparency and support evidence-based policy, Renewable Energy Statistics 2024-25, which is second of its series offers detailed data on installed capacity and electricity generation, state-level performance comparisons, sector-specific analyses of solar, wind, hydro, bio power and global energy transition trends. This publication will serve as an indispensable tool for policymakers, planners, academics, researchers, and industry professionals, empowering them to shape India's renewable energy future.

I would like to extend my heartfelt appreciation to the dedicated team of the Statistics Division, led by Smt. Mini Prasannakumar, Deputy Director General, for their work in compiling this data-rich publication.

(Santosh Sarangi)

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## PREFACE

India has emerged as a global leader in renewable energy among major economies, showcasing unwavering commitment and sustained momentum in its transition towards a cleaner and more sustainable energy future. Over the past decade, the country has witnessed a remarkable rise in its installed renewable energy capacity from 81.22 GW of 31<sup>st</sup> March 2015 to 220.10 GW by 31<sup>st</sup> March 2025. This extraordinary growth reflects India's policy resolve and its success in fostering a supportive ecosystem for clean energy development.

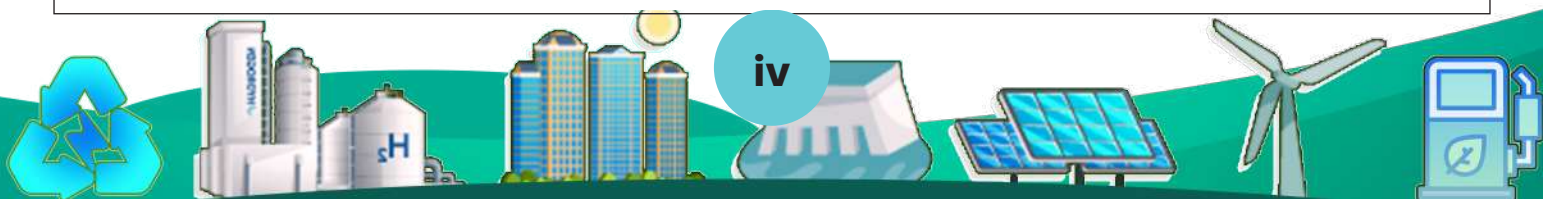
Notably, the contribution of renewable sources such as solar, wind, bio-power, and small hydro power to total electricity generation in the country has grown from 5.58% of 2014–15 to 13.98 % by 2024–25, reflecting the consistent upward trajectory in green energy adoption. As India moves closer to its ambitious target of achieving 500 GW of non-fossil fuel-based capacity by 2030, and its long-term vision of attaining net-zero emissions by 2070, the need for accurate, comprehensive, and transparent data becomes paramount for its policy formulation. In this context, Ministry of New and Renewable Energy (MNRE) is proud to present the second edition of '*Renewable Energy Statistics 2024–25*' which provides a detailed, evidence-based account of India's renewable energy progress, offering valuable insights at national, state, and international levels.

The compilation draws from several authoritative sources, including the International Renewable Energy Agency (IRENA), whose *Renewable Energy Statistics – 2025* served as vital for global comparisons, and the Central Electricity Authority (CEA), Ministry of Power, for its regular updates on installed capacity and electricity generation. This important document is the result of dedicated collaboration across various divisions within the Ministry, and special recognition is due to Ms. Veena Singh, Assistant Director, and Ms. Komal, Stenographer (Grade D), of the Statistics Division, whose hard work and dedication were instrumental in its completion. As we continue to scale new heights in clean energy deployment, this report stands both as a testament to India's progress and a guiding tool for shaping its sustainable energy future.

Feedback and suggestions are welcome to help enhance and refine future editions.

(Mini Prasannakumar)

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