

प्रल्हाद जोशी
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ಪ್ರಲ್ಹಾದ ಜೋಶಿ



उपभोक्ता मामले, खाद्य और सार्वजनिक वितरण तथा
नवीन और नवीकरणीय ऊर्जा मंत्री
भारत सरकार

MINISTER OF CONSUMER AFFAIRS
FOOD & PUBLIC DISTRIBUTION AND
MINISTER OF NEW & RENEWABLE ENERGY
GOVERNMENT OF INDIA



Message

Under the visionary leadership of Hon'ble Prime Minister Shri Narendra Modi, India has emerged as one of the fastest-growing nations in the global renewable energy landscape. With strong political will, clear policy direction, and ambitious climate commitments, India currently ranks fourth globally in terms of total renewable energy installed capacity. The nation has set a bold target of achieving 500 GW of non-fossil fuel-based installed capacity by 2030, an integral part of its Nationally Determined Contributions (NDCs) under the Paris Agreement and its overarching commitment to becoming a Net-Zero nation by 2070. To realize this vision, the Government of India has introduced and implemented several transformative reforms and strategic initiatives across key renewable energy sectors including solar, wind, bio power, small hydro power and green Hydrogen.

Among the flagship schemes driving this energy transition are PM-Surya Ghar Muft- Bijli Yojana, the world's largest domestic rooftop solar initiative, is reshaping India's energy landscape with a bold vision to supply solar power to one crore households by March 2027 and thus promoting both sustainability and energy affordability at the grassroots level, Pradhan Mantri Kisan Urja Suraksha evam Utthaan Mahabhiyan (PM-KUSUM), which promotes the adoption of solar energy in the agricultural sector by supporting the installation of solar pumps and grid-connected renewable power plants on barren or agricultural lands, thus empowering rural communities. India achieved the historic milestone of 100GW of Solar Power Capacity in January 2025 and now India secured 3rd position globally in solar sector both in installed capacity and electricity generation.

The publication of "Renewable Energy Statistics 2024-25", the second of its series presents accurate, reliable, and up-to-date statistical insights that reflect the country's transition from fossil-fuel-based energy to renewable alternatives. It provides detailed data on installed capacity and energy generation at national, state, and international levels; sector-specific performance metrics across solar, wind, hydro, and bio power; and trend analyses that track India's progress over the years.

(Pralhad Joshi)



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श्रीपाद नाईक

राज्य मंत्री

नवीन और नवीकरणीय ऊर्जा एवं विद्युत
भारत सरकार



SHRIPAD NAIK

Minister of State for

New and Renewable Energy & Power
Government of India



MESSAGE

Energy has long been a cornerstone of human progress, driving industrial development, enhancing quality of life, and enabling innovation. For a rapidly developing nation like India, energy continues to be a foundational pillar of economic growth. As the population expands and the economy accelerates, the demand for energy is expected to rise significantly. In response to this challenge, the Government of India has adopted a dual approach: ensuring access to affordable and reliable energy while simultaneously addressing the urgent global imperative of climate change. At the heart of this strategy lies the transition towards clean and sustainable energy sources, with renewable energy playing a transformative role in powering the nation's future.

Recognizing the immense renewable energy potential of the country, the government has introduced targeted policies and strategic investments to unlock this capacity and foster a shift to a greener energy mix. A wide range of transformative reforms across the renewable energy ecosystem, including solar, wind, small hydro, bio power, and green hydrogen, have created a favourable landscape for private sector participation, technological advancement, and foreign investment. These efforts are rapidly reshaping India's energy landscape and positioning it as a global leader in the clean energy transition. One of the clearest indicators of this transformation is the rising contribution of solar and wind power in India's energy portfolio. As on March 2025, renewable energy made up 46.32% and non-fossil accounted for 48.04% of India's total installed power generation capacity highlighting the impressive scale and momentum of the country's energy transition. During 2024-25 alone, India added a record 28.73 GW installed capacity under renewable energy sector, far surpassing the 3.72 GW added from non-renewable sources.

To support informed decision-making and data-driven policy formulation, *Renewable Energy Statistics 2024-25*, second in series offers a comprehensive and integrated database of the sector. This resource provides detailed insights into installed capacity and energy generation, with national, state-wise, and international comparisons, and tracks sector-specific trends across various Renewable Energy sources.

(Shripad Naik)

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