

Discover how wind energy capacity in India is evolving in 2025. We cover market trends, innovative projects, and future renewable strategies for green growth

Overview History Electricity generation Wind power by state Repowering wind power projects Offshore wind power plants See also Wind power generation capacity in India has significantly increased in recent years. As of 31 March 2025, the total installed wind power capacity was 50.00 gigawatts (GW). India has the fourth largest installed wind power capacity in the world. Wind power capacity is mainly spread across the southern, western, and northwestern states. The onshore wind power potential of India was assessed at 132 GW with minimum 32%

Clean Energy Growth: India achieved record solar and wind power generation in the first half of 2025, significantly reducing carbon emissions and exceeding electricity demand growth. Solar ...

The report details how India's installed wind capacity can more than double from 51 GW to 107 GW by 2030, in line with state-level Resource Adequacy Plans (RAP). This is pivotal to help ...

The report revealed that 21 Indian states has taken contract of more than 100GW of wind energy by 2030 to meet the renewable purchase obligation & diversify their clean energy portfolios.

India's power sector witnessed strong growth in Q1 2025, with substantial capacity additions led by renewables and record-high investments. Supportive policies, rising demand, and ...

Global Standing: India ranks 4th globally in terms of total installed wind power capacity, trailing only behind China, the United States, and Germany. State-wise Distribution: As of 2025, the ...

India's wind energy sector is expected to maintain its growth trajectory in 2025-26, with the government aiming to accelerate annual capacity additions beyond the 3 GW mark.

Tata Power plans to invest Rs250 billion (US\$2.9 billion) in FY2025-26, with 50% allocated to renewables, 20% to fossil fuel-based power generation, and 30% to transmission and distribution ...

Wind power in India Mean wind speed in India [1] Wind power generation capacity in India has significantly increased in recent years. As of 31 March 2025, the total installed wind power capacity ...

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