

Expected ROI of wind solar storage project in India 2026

How much wind power will India have by 2026?

Looking ahead, the National Electricity Plan projects that India's installed wind capacity will reach approximately 73 GW by 2026-2027 and 122 GW by 2031-2032.

Will India's renewable capacity increase in FY 2025 & 2026?

India Ratings and Research (Ind-Ra) expects India's annual renewable capacity addition to remain at 15-18 GW in FY 2025 and FY 2026. It expects 75-80% of the annual RE capacity addition, i.e., up to 14.5 GW, to come from solar and around 20% from wind.

How has India's wind capacity increased in 2025-26?

o Under the Budget of 2025-26, the budgetary allocation from 930 Crores to 500 crores and 31 crore in research & development under the institution of wind energy. o On average, India's wind capacity expanded by roughly 759 MW per quarter, with an annual growth rate of around 4.96.

Is solar power a good investment in India?

Rooftop solar has shown even stronger growth at 47% CAGR, with incentives making installations more affordable. Wind power has also seen steady expansion, with a total installed capacity of 45.9 GW by FY2024. Hydropower, both large and small-scale, continues to be a significant part of India's energy mix.

How has solar energy impacted renewable capacity growth?

Solar energy has been the primary driver of renewable capacity expansion, growing at a CAGR of 23% from FY2020 to FY2024. Rooftop solar has shown even stronger growth at 47% CAGR, with incentives making installations more affordable. Wind power has also seen steady expansion, with a total installed capacity of 45.9 GW by FY2024.

Is wind energy sector increasing or decreasing?

According to the global wind tracker data after 2023, the wind energy dropped from 2,614 MW to 1,532 MW in 2024. Rest in the two months of 2025 only 29 MW was added to the capacity. Currently, wind energy sector is increasing at a declining rate. Exhibit 03: Anticipated Market Size of Wind energy according to historical trend in India till 2030.

The Energy Storage Obligation specifies that consumption of solar and/or wind energy with or through storage should account for 1% of total electricity consumption during the fiscal year 2023-2024, and this ratio will gradually rise ...



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