

India's wind power generation in a year

What is the wind power capacity in India?

Wind power generation capacity in India has significantly increased in recent years. As of 31 March 2024, the total installed wind power capacity was 45.887 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.

What is India's wind energy sector?

India's wind energy sector is led by indigenous wind power industry and has shown consistent progress. The expansion of the wind industry has resulted in a strong ecosystem, project operation capabilities and manufacturing base of about 15000 MW per annum. The country currently has the fourth highest wind installed capacity in the world.

How much wind power will India install in 2025?

Predicts adding around 15,000 MW of wind-solar hybrid capacity from 2020-2025. A new report by GWEC and MEC Intelligence estimates India will install ~20.2 GW of wind power capacity between 2021 and 2025.

How much wind power is generated at night in India?

Nearly 60% of the wind power is generated during the night time which is equal to the stored solar power in terms of pricing. There is a growing number of wind energy installations in states across India. Gujarat has the highest installed wind power capacity, followed by Tamil Nadu.

When was wind power developed in India?

Development of wind power in India began in December 1952, when Maneklal Sankalchand Thacker, a distinguished power engineer, initiated a project with the Indian Council of Scientific and Industrial Research (CSIR) to explore the possibilities of harnessing wind power in the country.

How big is India's wind energy capacity in 2023?

The wind energy capacity in the south Asian country of India peaked at almost 44.7 gigawatts in 2023, an increase compared to the previous year, wherein the value was around 41.9 gigawatts. Get notified via email when this statistic is updated. *For commercial use only Access limited to Free Statistics. Premium Statistics are not included.

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