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ADOPTION OF RENEWABLE ENERGY IN INDIA



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"It is expected that there would be a rise in government commitments to achieve net-zero carbon emissions by 2070 and a reduction in India's total projected carbon emissions by 1 billion tonnes by 2030. Additionally, it is expected that there would be a decrease in the carbon intensity of the nation's economy by less than 45% by the end of the decade. There would also be an increase in offshore wind energy capacity to reach 30 GW by 2030, more widespread adoption of solar rooftop installations, exploration of new-age technologies, and advancements in module technology and battery storage.



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There is a need for increased investments in smart grid technologies and energy storage solutions to address some of the challenges. Inadequate transmission infrastructure can hinder the evacuation of power from renewable energy-rich regions to demand centres. Expanding and upgrading the transmission network is vital for efficient power evacuation.

Global renewable energy capacity growth, technological advancements, falling renewable costs, investment flows and increased public awareness are factors that will accelerate the transition to renewable energy."