

## SolarTech Power Solutions

# India Energy Storage Project Planning Scheme



## Overview

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India has set a target to achieve 50 percent cumulative installed capacity from non-fossil fuel-based energy resources by 2030 and has pledged to reduce the emission intensity of its GDP by 45 percent by 2030, based on 2005 levels. India has launched several initiatives such as National Solar.

STRATEGIC PATHWAYS FOR ENERGY STORAGE IN INDIA THROUGH 2032 NIKIT ABHYANKAR<sup>1\*</sup>, UMED PALIWAL<sup>1</sup>, SAMBIT BASU<sup>2</sup>, HIMANSHU CHAWLA<sup>2</sup>, AUGUST 2025 <sup>1</sup>India Energy and Climate Center, University of California, Berkeley <sup>2</sup>Power Foundation of India, a Think Tank and Society under the aegis of Ministry of Power.

newable energy technologies. In February 2018, an Expert Committee under the chairpersonship of Secretary, Ministry of New and Renewable Energy, with representatives from relevant Ministries, industry associations, research institutions and experts were constituted by the Ministry of New &.

Energy storage is critical towards ensuring grid reliability, security, and cost optimisation given India's growing share of renewable energy in its power purchase mix. The Central Electricity Authority projects an energy storage requirement of 60.6 GW/341.2 GWh by 2030, which can be met via.

India announces a ₹5,400 crore funding scheme to develop 30 GWh of battery energy storage, aiming to boost renewable energy integration and ensure grid stability. The Indian government has launched a ₹5,400 crore funding scheme to establish 30 gigawatt-hours (GWh) of battery energy storage systems.

The Ministry of Power has unveiled an extensive plan to reshape the country's energy sector, with a specific focus on strengthening energy storage systems (ESS). This blueprint includes a range of measures, from financial incentives to regulatory changes, designed to promote the development of ESS.

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