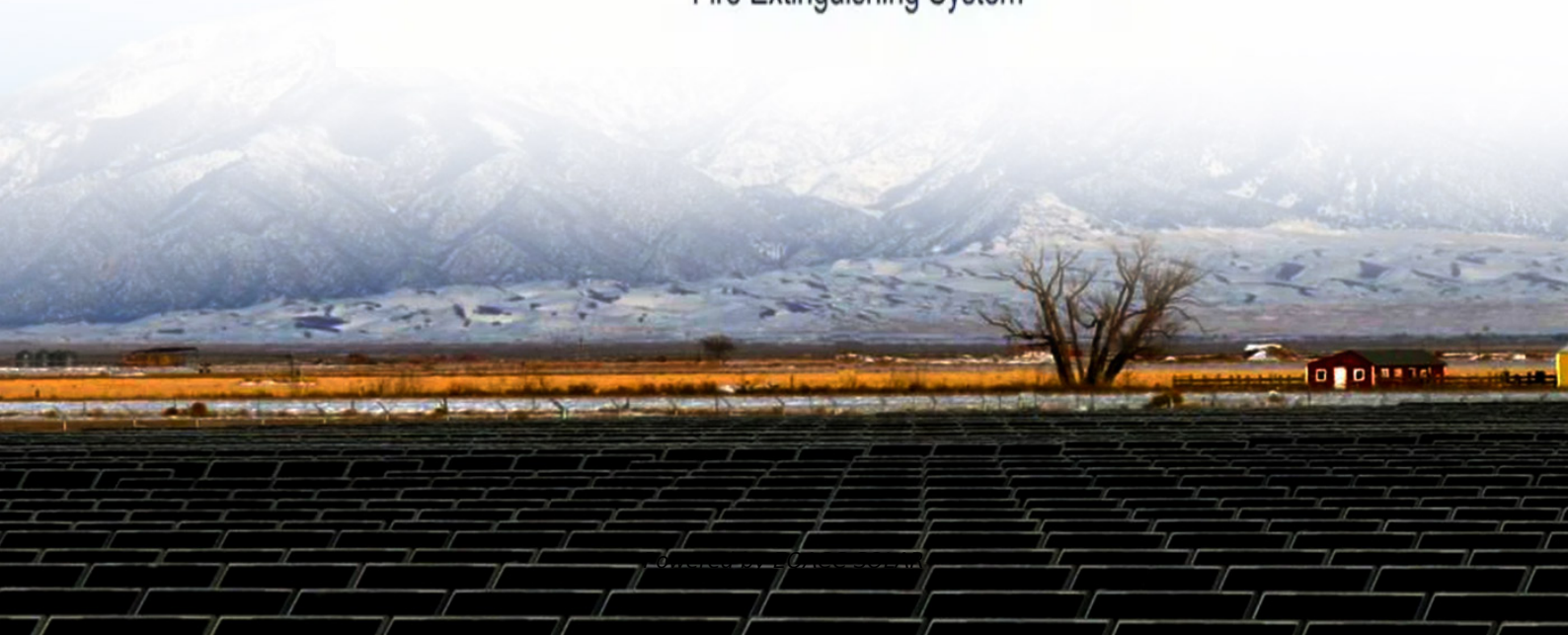


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Indian Station Energy Storage Project



Overview

India's first grid-scale battery storage in Chhattisgarh enables cleaner energy, cuts emissions, and sparks massive investment in renewable power solutions. Is India a leader in energy storage innovation?

The Stationary Energy Storage India (SESI) 2025 conference brought together 200+ global leaders, signaling robust policy, investment, and innovation momentum. With national and international collaboration, India is positioning itself not only as a leader in renewable energy deployment but also as a major force in energy storage innovation.

What is strategic paths for energy storage in India through 2032?

The report, Strategic Pathways for Energy Storage in India Through 2032, tackles these questions. With its sharp analysis and data-driven approach, it maps out practical, affordable ways to roll out storage, highlights priority areas, and explores how different technologies can work for us.

How is India advancing energy storage solutions?

At the heart of this momentum is the strategic push by the Government of India and various state authorities, backed by institutions like SECI, NTPC, and SJVN, to advance energy storage solutions. A landmark initiative includes the approval of Viability Gap Funding for 13,200 MWh of battery energy storage systems by 2030-31.

Where is India's first large scale battery energy storage facility located?

This led to the establishment of India's first large scale battery energy storage (BESS) facility set up alongside a 100-megawatt (MW) solar power plant in Rajnandgaon, in India's eastern state of Chhattisgarh.

Indian Station Energy Storage Project



Power plant profile: Shahpur Standalone Pumped Storage Project, India

Shahpur Standalone Pumped Storage Project is a 1,800MW hydro power project. It is planned on Shahabad Kuno river/basin in Rajasthan, India.

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plant in Chhattisgarh paves the ...

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India is rapidly increasing hybrid (renewable energy + battery storage) tenders to increase the share of renewables in total power ...

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Utility-scale battery storage is emerging as a critical solution to address to grid stability challenges, including peak load



management and ...

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Gandhi Sagar Pumped Storage Project, India

The Gandhi Sagar off-stream pumped storage project (PSP), with an intended capacity of 1.9GW, is currently under development in ...

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India's NTPC rolls out CO2 battery storage ...

NTPC Ltd. will partner with Triveni Turbine and Italy's Energy Dome to install a 160 MWh CO2 battery at its Kudgi super thermal power ...

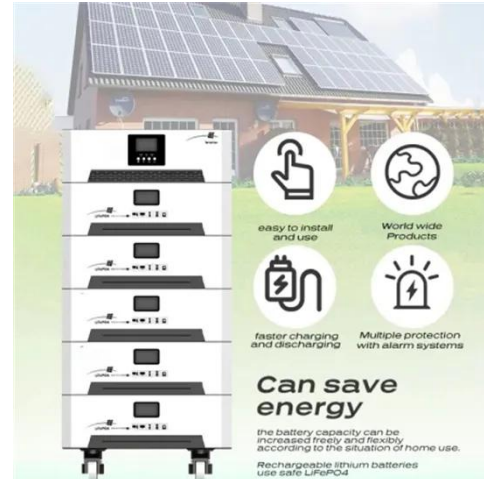
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Development of stationary battery storage systems in India

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battery storage sector as of 2025, identifying key policy drivers, market trends, and technological shifts. It ...

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Energy Storage for Renewable Energy Integration in India ...

India aims to integrate a total of 500 gigawatts of non-fossil energy capacity by 2030. With regard to this, the project supports the creation of favourable framework conditions for the introduction ...

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Policy and Regulatory Readiness for Utility ...



Key Findings The technical system characteristics of the Indian power system are favorable for energy storage to reduce operating cost ...

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CEA Fast-Tracks 6 Hydro Pumped Storage Projects, Targets ...

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Objective The objective of the project is to advance India's transition to renewable energy and to contribute to its climate targets by addressing challenges associated with ...

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