

India's latest battery energy storage policy

What did India's battery energy storage systems do in July 2025?

India's Battery Energy Storage Systems (BESS) sector witnessed notable developments in July 2025, marked by key policy advancements, project awards, and the release of new tenders. These milestones reflect the country's growing focus on energy storage as a critical enabler of renewable energy integration and grid stability.

Why should India invest in energy storage systems?

6.11.1. India's surge in energy demand and rapid shift towards renewable energy sources offers opportunities for emerging Energy Storage System (ESS) technologies. Domestic innovation and manufacturing of ESS technologies can stimulate job creation, economic growth, and position India as a global leader in sustainable and low-carbon energy systems.

Does India's national electricity plan predict a rise in storage demand?

India's National Electricity Plan forecasts a steep rise in storage demand--411.4 GWh by 2031-32, with significant contributions from both pumped storage and battery systems. Costs have decreased dramatically, enhancing the sector's commercial viability.

Will India meet storage requirements by 2028?

The VGF-backed scheme is expected to help meet India's storage requirement by 2028 and attract an investment of INR 33,000 crore. At a press conference, the minister also announced an extension of the waiver of inter-state transmission charges for storage projects until June 30, 2028.

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.

How to maintain quality and standards for battery energy storage systems?

6.10.1. In order to maintain quality and standards for Battery Energy Storage Systems, the Central Government may consider issuing an "Approved List of Models and Manufacturers (ALMM) for BESS" for power sector applications, similar to the list of ALMM for Solar Photovoltaic Modules issued by the Ministry of New and Renewable Energy (MNRE).

2 ???· The Battery Energy Storage Systems (BESS) is the talk of the town in 2025. And why not? It is a crucial component of the renewable energy future that India envisions. India's BESS ...

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India's renewables sector, especially solar, is expanding quickly. But the same can not be said for energy storage, mainly because Battery Energy Storage Systems (BESS) ...

Industry Overview India is deeply committed to its transition away from traditional fossil fuels and building its non fossil fuel capacity to at least 500 GW by 2030. The country's cumulative ...

Driven by ambitious 2030 renewable energy targets (500GW non-fossil capacity) and growing grid stability needs for variable solar/wind, India is rapidly tendering renewable ...

Given the importance of ESS and PSPs for India's energy transition, our recent paper titled "Pumped Storage Plants in India: Assessing Policies and Progress" presents the ...

"Union Budget 2025 focuses on long-term energy security with plans to increase nuclear capacity to 100 GW by 2047, further diversifying India's energy mix. However, the journey from 8.2 GW ...

Image: Alok Sharma via Twitter. India's government has added an Energy Storage Obligation alongside its Renewable Purchase Obligation for the first time. Meanwhile, ...

Prime minister Narendra Modi on a 2022 visit to Modhera, India's first 24/7 solar-powered village. Image: Narendra Modi via X/Twitter. India's ambitious drive for renewable ...

This focus on BESS is also likely to drive technological advancements and innovations in the energy storage sector, marking a significant step towards a sustainable and ...

India announces a INR5,400 crore funding scheme to develop 30 GWh of battery energy storage, aiming to boost renewable energy integration and ensure grid stability. Learn ...

In a virtual address at India Energy Week 2025, Prime Minister Narendra Modi highlighted India's rapid progress in electric mobility and renewable energy while emphasising ...

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