

How many GW of ESS capacity did Indian agencies tender in 2025?

The report highlights that Indian agencies collectively issued tenders for 6.1 gigawatts(GW) of Standalone ESS capacity during the first quarter of 2025.

Is ESS the cornerstone of India's utility-scale ESS auctions?

"The transition to low-cost,...Standalone Energy Storage Systems(ESS) are emerging as the cornerstone of India's utility-scale ESS auctions,making up 64% of the total tenders floated between January and March 2025,according to a new report by the Institute for Energy Economics and Financial Analysis (IEEFA) and JMK Research &Analytics.

How much ESS capacity does India have in 2025?

The report finds that various Indian agencies tendered 6.1 gigawatts(GW) of Standalone ESS capacity in the first three months of 2025. "Standalone ESS are ideal to facilitate the rapid development and deployment of variable renewable energy (VRE) resources across India.

Are energy storage systems the backbone of India's utility-scale ESS auctions?

Standalone Energy Storage Systems(ESS) are becoming the backbone of India's utility-scale ESS auctions,accounting for 64% of the total tenders issued between January and March 2025 alone,according to a new report by the Institute for Energy Economics and Financial Analysis (IEEFA) and JMK Research &Analytics.

How much ESS capacity is operational in 2025?

Of the total ESS capacity,40% is under various stages of execution,27% is cancelled and 30% is under tendering process As of April 2025,BESS capacity of 400 MWh is operational,with ~0.5 GWh worth capacity expected to come online by Q2 2025 Source: Tender nodal agency websites,press releases,compiled by Debmalya Sen

Why are ESS tenders so high?

The report also highlights that the government's viability gap funding(VGF) scheme--offering up to 30% capital support for standalone BESS projects--has been a major factor driving the rise in Standalone ESS tenders.

The Quarterly report on ESS captures all the important updates on the energy storage in the past quarter. The report includes quarterly ESS market snapshot along with tenders issued, projects commissioned along with the projects still ...

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Web: <https://www.solarcomplete.co.za/contact-us/>

Email: [energystorage2000@gmail.com](mailto:energystorage2000@gmail.com)

WhatsApp: 8613816583346

