

Average mobile ESS unit price per 1GW in India

How much ESS capacity does India have?

According to a new report by the Institute for Energy Economics and Financial Analysis (IEEFA) and JMK Research & Analytics, various Indian agencies tendered 6.1 gigawatts (GW) of standalone ESS capacity.

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 does a battery energy storage system cost in India?

"In recent auctions, battery energy storage system tenders in Maharashtra and Rajasthan secured tariffs as low as INR 219,000 to INR 221,000 per megawatt (MW) a month (\$2,561 to \$2,586/MW/month), representing almost a 40% reduction compared with non-VGF projects with similar specifications," he added.

Why are ESS projects increasing in India?

Such projects are increasing, thanks to government support. Standalone energy storage system (ESS) projects in India are gaining more attention as they account for 64% of the total tenders issued in the first quarter (Q1) of 2025.

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.

Which energy storage system projects are gaining attention in India?

Standalone energy storage system (ESS) projects in India are gaining more attention as they account for 64% of the total tenders issued in Q1.

According to a new report by the Institute for Energy Economics and Financial Analysis (IEEFA) and JMK Research & Analytics, various Indian agencies tendered 6.1 ...

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e obligation (ESO), to accelerate ESS adoption. Recognising the role of storage in grid stability and renewable energy integration, India's National Transmission Plan (October 2024) projects ...

To meet this need, Indian policymakers have been implementing measures to ensure that energy storage systems (ESS) will facilitate this swift transition. In this article, we ...

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India's grid-scale Standalone ESS market is also witnessing a diversification of players, with both established power sector giants and new entrants actively participating. Large independent ...

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