ContainerPower Energy Solutions

India Power Generation and Communication BESS Power Station

Overview

NEW DELHI | 8 May, 2025 — The GEAPP Leadership Council (GLC) today officially announced the launch of India’s first utility-scale, standalone Battery Energy Storage System (BESS) project, the largest of its kind in South Asia.How much energy does India need for a Bess system?

The Ministry of Power projects a need for ~41 GW/236 GWh of BESS capacity by 2031-32, signalling a shift from 2-hour systems to 4- and 8-hour solutions. Current tenders represent only ~5 percent of the projected demand for the next seven years, underscoring immense opportunities in India's transition to sustainable energy solutions.

Who commissioned India's first standalone battery energy storage system?

India’s first commercial standalone battery energy storage system (BESS) project with a 20MW/40MWh capacity at the distribution company level and a tariff approved by the electricity regulatory authority has been commissioned by power sector infrastructure investment trust IndiGrid in Delhi.

Why is India launching a battery energy storage system?

In Detail : India has approved its first commercial standalone Battery Energy Storage System (BESS) project, marking a milestone in the country’s progress towards clean and renewable energy.

What is BSES Rajdhani power project?

The Delhi Electricity Regulatory Commission (DERC) issued regulatory approval to a 20 MW/ 40 MWh BESS at the 33/11 kV Kilokari sub-station belonging to BSES Rajdhani Power Ltd, the largest power distribution company in Delhi with close to 30 lakh consumers. The project will enable 24/7 power for over 12,000 low-income consumers.

How geapp helped BSES Rajdhani Power Limited & BRPL?

GEAPP, in collaboration with IndiGrid and AmpereHour Energy, assisted BSES

Rajdhani Power Limited (BRPL) in commissioning the 20 MW/40 MWh BESS project in New Delhi at a record-breaking 20-month delivery schedule.

Why should India invest in a Bess storage facility?

With a significant increase in renewable energy generation capacity, it is imperative that storage facilities are developed to help India and the world transition to clean energy. With an annual tariff nearly 55% lower than the previous benchmark, the project sets a new standard for BESS affordability in India.

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