


RCRSIL to commence production of BESS with gigawatt capacity in Uttar Pradesh

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New Delhi: RCRS Innovations Limited ([RCRSIL](#)) said it will commence the [production of Battery Energy Storage Systems \(BESS\)](#) in a new [manufacturing unit](#) by August this year. The new

unit, located in [Uttar Pradesh](#), will have an initial capacity of one Gigawatt and will manufacture BESS units in 500-kilowatt (KW) and 1,000-kilowatt (1 Megawatt) storage capacity.

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"The demand for BESS will grow in direct proportion to the growth in [renewable power](#) in the overall power generation mix," said Aayush Goyal, MD & CEO, RCRS Innovations. He noted the importance of BESS in maintaining grid stability and providing uninterrupted power supply. "The consumption end too, the demand is expected to skyrocket as a replacement for diesel gensets and to store power generated from off-grid solar units," Goyal added.

The Indian BESS market is projected to reach over ₹40,000 crore through 2029.

Goyal emphasized the strategic significance of the new production line, saying, "While the market opportunity is still opening up, we are well positioned to have a shot at capturing a significant market share over the next two-to-three years." He also highlighted the company's goal to grow its revenues to ₹500 crore by FY26 through this initiative.

BESS units are widely used by grid operators to manage loads and frequency, and by distribution companies to minimize power outages and manage electricity costs by storing less expensive electricity purchased during off-peak hours. Additionally, consumers deploy BESS as backups during power outages and to enhance self-consumption of electricity generated from off-grid solar units. These systems are also increasingly recognized as alternatives to diesel generators, which are major contributors to air pollution.

The Central Electricity Authority's National Electricity Plan (NEP) 2023 projects that India's energy storage capacity needs will reach 82.37 GWh by 2026-27, which includes 34.72 GWh from BESS. By 2031-32, the requirement is expected to surge to 411.4 GWh, including 236.22 GWh from BESS.