



Press Release

Avaada Electro advances its 6 GW TOPCon solar cell manufacturing facility with the first 3 GW TOPCon cell line being operational at Nagpur

India, July 13, 2026: Avaada Electro Limited, the solar PV manufacturing arm of Avaada Group, has advanced its **6 GW high-efficiency N-Type TOPCon solar cell manufacturing facility** at its integrated solar manufacturing factory in Butibori, Nagpur. The first **3 GW production line is now operational**, while the balance capacity is under ramp-up.

The facility is equipped with advanced N-Type TOPCon technology capable of delivering cell efficiencies of up to **25.5%** under standard test conditions, supported by **16-busbar and 18-busbar architecture** for higher power density, reliability and energy yields.

The Nagpur line is part of Avaada's broader manufacturing roadmap. The company currently operates **8.50 GW** of N-Type TOPCon glass-to-glass module capacity across Nagpur and Dadri, and is planning to add **5.10 GW** to reach **13.60 GW** of module capacity. It is also progressing toward adding another 6 GW of solar cell line at Greater Noida, taking total solar cell capacity to **12 GW**. As a part of backward integration company is also planning 3GW of ingot and wafer capacity at Nagpur.

Vineet Mittal, Chairman and Whole-Time Director, Avaada Electro Limited, stated, "With the establishment of our 6 GW solar cell factory at Butibori in Nagpur, Avaada is actively contributing towards India's green industrial age and complete technology independence. This facility is our definitive pledge to the nation - a localized manufacturing ecosystem engineered to minimise foreign import dependencies in an era of de-globalization, accelerate our economic trajectory, and position India at the absolute vanguard of the global energy transition. This factory represents far more than industrial infrastructure; it is a sustainable, co-located complex built on the values of indigenous ingenuity and environmental stewardship. We are not just scaling production; we are aiding a sustainable future where homegrown innovation dictates the global clean energy roadmap, anchoring India's position as a green superpower. As India's AI-driven digitization and data infrastructure scale at far greater pace, the demand for power that is clean and always on will only intensify, and facilities like Butibori ensure that this next wave of growth is built on a foundation of dependable, indigenous clean energy. This embodies the essence of Atmanirbhar Bharat - a strategic signal to the global market that India is ready to dictate the future of renewable energy."

The integrated manufacturing ecosystem is designed to enhance supply chain resilience, improve operational efficiencies, reduce logistics costs, and accelerate localization across the solar value chain.



The development also strengthens Avaada Group's position as an integrated energy transition company with interests across renewable power generation, solar PV manufacturing, green hydrogen and derivatives, energy storage and pumped storage. Avaada Energy has a renewable energy portfolio of over **17.70 GWp**, including more than **7.20 GWp operational** and about **10.50 GWp under construction**, supporting India's energy transition, strengthening domestic manufacturing and decarbonisation journey.

About Avaada Electro

Avaada Electro, the solar PV manufacturing entity of Avaada Group, is a supplier of high-efficiency solar PV cells and modules. With R&D and AI-driven automation, Avaada Electro is focused on performance, reliability, and sustainability—supporting both India's energy transition and global clean energy competitiveness.

About Avaada Group

Avaada Group is an integrated energy transition conglomerate with businesses spanning solar manufacturing, renewables, green hydrogen and energy storage solutions.

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