

# India achieves 4,000% solar capacity growth: Union Minister of Commerce and Industry

 By **Prakash Jha** July 11, 2025



Union Minister of Commerce and Industry, Piyush Goyal, addressed the 11th India Energy Storage Week (IESW) 2025 today in New Delhi, highlighting India’s remarkable growth in renewable energy. He pointed to the country’s solar capacity, which has surged by 4,000%, bringing India’s total renewable energy capacity to 227 GW. He added that India is likely the first G20 nation to meet its Nationally Determined Contributions (NDCs) under the Paris Agreement.

Piyush Goyal shared the example of Palli village in Jammu and Kashmir, which has become India’s first carbon-neutral panchayat, powered by solar energy and energy efficiency. He also noted that the venue of the event, Yashobhoomi, serves as a model of sustainability, featuring rooftop solar installations, wastewater treatment, and energy-efficient infrastructure.

Reflecting on India’s manufacturing progress over the last decade, the Minister mentioned that the country’s solar photovoltaic module capacity has increased nearly 38 times, while photovoltaic cell capacity has grown 21-fold. He highlighted the PM Surya Ghar Yojana, which aims to provide rooftop solar panels to 1 crore households, enabling them to become energy self-sufficient and lower their electricity costs. He also discussed the PM Kusum Yojana, which promotes the use of solar pumps in India’s agricultural sector, and the government’s Production Linked Incentive (PLI) scheme, designed to boost manufacturing of Advanced Chemistry Cells (ACC).

Piyush Goyal congratulated the India Energy Alliance and its partners for organizing IESW, recognizing their efforts in bringing together clean energy, storage technologies, green hydrogen, and e-mobility solutions under one roof. He reiterated that India is on a focused path to achieving energy self-sufficiency, with the goal of ensuring that renewable energy can meet the country’s growing demand around the clock.

The Minister emphasized the critical role of storage technologies—such as batteries, pumped storage, hydro storage, and geothermal—in meeting India’s future energy needs. He highlighted that the energy sector will be a key driver in India’s transition to clean, renewable power, a transition already reflected in the country’s progress over the past decade.

Piyush Goyal proposed a four-pronged approach to advancing India’s energy independence, focusing on innovation, infrastructure development, supply chain resilience, and holistic value chain growth. He stressed the importance of leading in research and development for energy storage technologies, with a focus on next-generation batteries, solid-state and hybrid storage systems, and circular supply chains.

The Minister also referenced the recent Cabinet approval of a ₹1 lakh crore Research, Development, and Innovation Fund under Prime Minister Narendra Modi’s leadership, noting that this fund could potentially match R&D investments of ₹6–7 lakh crore in advanced economies, due to India’s cost advantages. Regarding infrastructure, he called for greater collaboration to build charging and battery swapping systems, which would accelerate the adoption of electric vehicles and ensure affordable, accessible e-mobility.

Furthermore, he urged the industry to enhance supply chain resilience by reducing dependence on specific regions and adopting new technologies to achieve greater self-reliance in the energy sector. He emphasized that India’s ambition should cover the entire value chain—from raw materials and cell components to battery packs, semiconductors, management systems, and recycling—creating a robust and self-sustained clean energy ecosystem.

Piyush Goyal encouraged stakeholders to explore new opportunities to scale up operations and strengthen competitiveness, reaffirming India’s target of achieving 500 GW of renewable energy capacity by 2030. He concluded by reiterating that energy storage will be central to this vision, emphasizing that, as Prime Minister Modi has stated, “Ensuring energy security for our citizens is not just a priority but also a responsibility.”

India Energy Storage Week (IESW) is a leading event focused on advancing energy storage, e-mobility, battery manufacturing, and green hydrogen. The 11th edition brought together global leaders, policymakers, researchers, and industry stakeholders to discuss key innovations and policy developments essential for India’s energy transition. The event fosters dialogue, partnerships, R&D, skill development, and showcases technologies aligned with the nation’s energy goals.