# GE Vernova awarded major contract to deliver HVDC technology for Adani’s 2.5-gigawatt transmission corridor in India

- Project to support evacuation of renewable power from India’s Khavda renewable energy zone
- With a transmission capacity of 2.5-gigawatt the project represents the highest-rated voltage sourced converter (VSC)-based HVDC system planned in India to date
- Strengthens GE Vernova’s role in India’s energy transition and transmission expansion

**Delhi, India** – ( 22 Dec 2025) - GE Vernova Inc. (NYSE: GEV) today announced that its Electrification Systems business has been awarded a major contract from Adani Energy Solutions Ltd. to supply high-voltage direct current (HVDC) technology for the 2.5-gigawatt (GW) Khavda–South Olpad renewable power transmission corridor in India.

The Khavda–South Olpad corridor forms a critical backbone for India’s renewable energy expansion. Khavda, located in Gujarat’s Kutch region, is being developed as one of the world’s largest renewable energy zones, while South Olpad serves as a major pooling and injection point into India’s national transmission network. The corridor is designed to enable large volumes of renewable electricity generated in western India to be transferred efficiently into the wider grid.

**GE Vernova’s scope**

GE Vernova's role in the project will be to provide advanced HVDC technology designed to operate at scale and with high reliability. This will include supplying a high-capacity ±500 kV, 2,500 MW (2 × 1,250 MW) voltage sourced converter (VSC)-based bipolar HVDC system for the point-to-point link.

HVDC systems are designed to transmit electricity over long distances with lower losses and greater controllability compared to conventional transmission approaches, making them well suited for large-scale renewable energy integration.

The scope covers the design of the complete HVDC system, including converter stations at each end, the supply of all major converter station equipment, and responsibility for erection, testing, and commissioning activities, excluding associated civil works. The system will be delivered using GE Vernova's advanced **eLumina™ control platform**, designed to support stable, secure, and efficient grid operations.

The project will be mostly executed by GE Vernova's India-based teams, drawing on local engineering expertise and manufacturing capabilities. Delivery will be planned in phases, with overall completion targeted by 2030.

"India is one of the world's most important power markets, with rapidly growing electricity demand and large-scale renewable development, **said Philippe Piron, President and CEO of GE Vernova's Electrification Systems business**. "Projects like the Khavda–South Olpad HVDC corridor underscore the importance of high-capacity transmission infrastructure in connecting renewable energy zones with the national grid. This award reflects our continued commitment to India and our experience in delivering complex transmission projects that support grid reliability and long-term system performance. We appreciate the confidence placed in GE Vernova by Adani Energy Solutions and look forward to supporting the successful delivery of this project."

"At Adani Energy Solutions, we are steadfast in our commitment to enabling India's green energy transition by building robust infrastructure for renewable power evacuation. Our partnership with GE Vernova for the Khavda–South Olpad

transmission corridor marks a significant milestone in advancing large-scale clean energy integration. We look forward to working together in delivering innovative solutions that will help power millions sustainably, bringing new opportunities and happiness to communities across the nation," **Mr. Kandarp Patel, CEO, Adani Energy Solutions Ltd.**

**A milestone for high-capacity HVDC deployment**

With a capacity of 2,500 MW, the project represents the highest-rated VSC-based HVDC system planned in India to date. Projects of this scale highlight the growing role of advanced HVDC technology in enabling large-scale renewable integration and strengthening transmission networks in fast-growing power markets.

The successful delivery of high-capacity VSC-based HVDC systems at this level reflects the increasing maturity of next-generation HVDC technology and its readiness to support complex grid requirements—both in India and in other regions facing rapid electrification and demand growth.

**Supporting grid stability in renewable-heavy systems**

VSC-based HVDC technology plays an increasingly important role in renewable-heavy power systems by providing fast frequency response, enhancing grid stability, and enabling precise control of power flows. These capabilities help manage variability, reduce congestion, and support reliable grid performance as renewable penetration continues to increase.

GE Vernova has a long-standing track record in delivering large-scale transmission projects in India. This includes its role in supplying HVDC technology for landmark projects such as the Champa–Kurukshetra HVDC link, one of the country's earliest ultra-high-capacity transmission systems, which enabled long-distance power transfer across regions. Building on this experience, GE Vernova continues to support India's evolving grid requirements through advanced transmission technologies designed for scale, reliability, and integration of new generation sources.

**-ENDS-**

**Notes to Editors:**

This letter of award is expected to be booked as an order by GE Vernova's Electrification Systems segment in the first half of 2026

**About GE Vernova**

GE Vernova Inc. (NYSE: GEV) is a purpose-built global energy company that includes Power, Wind, and Electrification segments and is supported by its accelerator businesses. Building on over 130 years of experience tackling the world's challenges, GE Vernova is uniquely positioned to help lead the energy transition by continuing to electrify the world while simultaneously working to decarbonize it. GE Vernova helps customers power economies and deliver electricity that is vital to health, safety, security, and improved quality of life. GE Vernova is headquartered in Cambridge, Massachusetts, U.S., with approximately 75,000 employees across 100+ countries around the world. Supported by the Company's purpose, The Energy to Change the World, GE Vernova technology helps deliver a more affordable, reliable, sustainable, and secure energy future. Learn more: GE Vernova and LinkedIn.

GE Vernova's **Grid Solutions** business electrifies the world with advanced grid technologies and systems, enabling power transmission and distribution from the point of generation to point of consumption, and supporting a decarbonized and secured energy transition.

**Forward Looking Statements**

This document contains forward-looking statements – that is, statements related to future events that by their nature address matters that are, to different degrees, uncertain. These forward-looking statements address GE Vernova's expected future business and financial performance, and the expected performance of its products,

the impact of its services and the results they may generate or produce, and often contain words such as “expect,” “anticipate,” “intend,” “plan,” “believe,” “seek,” “see,” “will,” “would,” “estimate,” “forecast,” “target,” “preliminary,” or “range.” Forward-looking statements by their nature address matters that are, to different degrees, uncertain, such as statements about planned and potential transactions, investments or projects and their expected results and the impacts of macroeconomic and market conditions and volatility on business operations, financial results and financial position and on the global supply chain and world economy.

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GE Vernova's **Grid Solutions** business electrifies the world with advanced grid technologies and systems, enabling power transmission and distribution across the power grid, and supporting a decarbonized and secured energy transition.

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