Press note

Mumbai, September 7, 2026

Siemens Energy India Limited advances cleaner high-voltage grid infrastructure with its Blue portfolio

- *Siemens Energy's Blue high-voltage technology eliminates SF_6 and other fluorinated greenhouse gases from circuit breaker technology*
- *Commissions first 145 kV SF_6-free circuit breaker in India for Goa Electricity Department*

Siemens Energy India Limited has successfully commissioned its first SF_6-free circuit breaker at the 145 kV level for the Goa Electricity Department (GED) in Goa, bringing its Blue high-voltage technology into operation in India. The commissioning marks an important step in enabling more sustainable high-voltage grid infrastructure and supporting ongoing decarbonization efforts across the power sector.

As India progresses towards its long-term climate and energy goals, reducing emissions across the electricity value chain is becoming increasingly important. Alongside cleaner sources of power generation, attention is also turning to the infrastructure that transmits electricity. Technologies that reduce the environmental impact of grid equipment can play an important role in building a more sustainable power system.

High-voltage circuit breakers are critical components of the transmission networks, helping protect the grid by safely interrupting electrical currents during faults and enabling reliable power transmission. Traditionally, such equipment has used sulfur hexafluoride (SF_6) for its strong insulating and switching properties. While effective, SF_6 is a fluorinated greenhouse gas with significant environmental impact. Siemens Energy's Blue portfolio addresses this challenge through clean air insulation and vacuum switching technology, eliminating the use of SF_6 and other fluorinated greenhouse gases while maintaining the reliability and performance required for transmission networks.

Speaking on the commissioning, Guilherme Mendonca, Managing Director and Chief Executive Officer, Siemens Energy India Limited (SEIL) said, *"As India's power system continues to evolve, the focus is expanding beyond how electricity is generated to how it is transmitted and managed. As the demand for power increases, there is also an opportunity to reduce the environmental footprint of the infrastructure that carries that electricity. The commissioning of the 145 kV SF_6-free circuit breaker in Goa is an important step in bringing cleaner high-voltage technologies into India's transmission ecosystem."*

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Reference number: CM/PR/9/PT 09-2026

The commissioning highlights the growing role of grid technologies in supporting the energy transition. By eliminating fluorinated greenhouse gases from high-voltage equipment, Siemens Energy's Blue portfolio contributes to cleaner transmission infrastructure while supporting the reliable operation of the power network.

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Siemens Energy India Limited (SEIL) is focused on supporting customers in transitioning to a more sustainable world. SEIL has solutions across the entire energy value chain – from power and heat generation, transmission to storage through a portfolio that includes conventional and renewable energy technology such as gas and steam turbines, hybrid power plants operated with hydrogen as well as power generators and transformers. More information is available at www.siemens-energy-india.com

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