



## GE T&D India Limited

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November 14, 2019

The Secretary  
BSE Limited  
Phiroze Jeejeebhoy Towers Dalal Street  
MUMBAI 400 001

**Code No. 522275**

The Manager  
Listing Department  
National Stock Exchange of India Ltd  
Exchange Plaza, Bandra Kurla Complex, Bandra (East)  
MUMBAI 400 051

**Symbol: GET&D**

Dear Sir,

Sub: **Press Release - GE T&D India Limited Achieves Record Transmission of Power on a Super Energy Corridor in India**

Please find enclosed herewith Press Release titled – “GE T&D India Limited Achieves Record Transmission of Power on a Super Energy Corridor in India”.

Thanking you,

Yours faithfully,  
For GE T&D India Limited

Manoj Prasad Singh  
Company Secretary



# GE T&D India Limited Achieves Record Transmission of Power on a Super Energy Corridor in India

- With Pole 3 of the Champa-Kurukshetra ultra-high-voltage direct current (UHVDC) project complete, this DC link is now transmitting more electricity than any other DC link in India.
- The  $\pm 800$  kilovolts (kV) UHVDC transmission line is a crucial component of the Indian government's electricity-for-all initiative, providing reliable electricity for 46 percent of its population and helping to integrate renewable energy resources
- Upon completion, the 1,287-km link will have the capacity to transmit 6,000 megawatts (MW) of electricity at  $\pm 800$  kV, making it one of the largest generation-to-consumption transmission systems in the world

**New Delhi, INDIA** – November 14, 2019 – GE T&D India Limited today announced a new milestone in its Champa-Kurukshetra [ultra-high-voltage direct current \(UHVDC\)](#) project by successfully energizing the third of four poles planned for the project. This adds an additional 1,500 MW of capacity to the 1,287-km link, which is now transmitting 4,500 MW.

A special feature of the Champa project is the use of an overhead line with dedicated metallic return, which uses a neutral conductor as a part of the DC circuit. GE is the first company in the world to demonstrate this technology with this project and is therefore providing additional value to the customer by eliminating the typical technical and environmental issues associated with the traditional electrode solution.

The transmission line is a crucial component of the Indian government's electricity-for-all initiative and will help provide reliable electricity for millions of people living in the states of Punjab, Haryana, Delhi, Uttar Pradesh and surrounding areas.

New government initiatives and investments have reversed India's longstanding power deficit. With the growing renewable energy market, the nation now boasts a power surplus of over 335 gigawatts (GW) of electrical generating capacity, making it the [third-largest electricity producer](#) in the world. However, to meet the government's vision of power-to-all and to ensure last mile connectivity, continuous development of a robust transmission network is vital for the country.

Power Grid Corporation of India (PGCIL), India's largest state-owned transmission company, is helping address this need by connecting the power deficit northern Indian region with power surplus regions of eastern India. PGCIL is using GE's UHVDC technology.

"To enable the government's vision of one nation, one grid, one price and transformation of the power sector, GE has resolved to work with PGCIL and realize the national goal of affordable, efficient and reliable power supply. Backed by unprecedented and innovative technologies, GE's HVDC project will play a key role in meeting the critical power needs for consumers and industry in a large part of the country," said Vishal Wanchoo, President and CEO, GE South Asia and Chairman of GE T&D India Limited.

The Champa-Kurukshetra project transmits electricity from power generating plants located across Chhattisgarh to a GE-built rectifier station in Champa, where it is converted from alternating current (AC) to direct current (DC). The electricity is transported in bulk across the UHVDC line and is then converted back to AC by a GE inverter station in Kurukshetra, Haryana. From there, power is transported to the surrounding rural states who are in need of reliable and consistent electrical power. DC technology efficiently moves electricity over long



distances which lowers transmission costs and losses. Additionally, it is a more environment-friendly technology because it requires fewer overhead lines to deliver the same amount of power as HVAC system

Phase 1 of the project, [completed in 2017](#), provided 3,000 MW of transmission capacity. GE recently commissioned Pole-3, adding another 1,500 MW of transmission capacity, marking a key benchmark towards the completion of Phase 2. Once Pole 4 is commissioned, the entire system will transmit 6,000 MW of electricity at 800 kV - making the project one of the largest generation-to-consumption transmission systems in the world.

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### **Notes to Editors:**

#### **About GE T&D India Limited:**

GE T&D is the listed entity of GE's Grid Solutions business in India. With over 100 years of presence in India, GE T&D India is a leading player in the Power Transmission & Distribution business with a product portfolio ranging from Medium Voltage to Ultra High Voltage (1,200 kilovolt) for Power Generation, Transmission and Distribution, Industry and Infrastructure markets.

GE T&D India has a significant presence in all stages of the power supply chain and offers a wide range of products that include Power Transformers, Circuit Breakers, Gas Insulated Switchgears, Instrument Transformers, Substation Automation Equipment, Digital Software Solutions, Turnkey Solutions for Substation Engineering & Construction, Flexible AC Transmission Systems, High Voltage DC & Services suite of offerings. With six manufacturing sites, GE T&D India is future ready to meet the growing demands for equipment and services. GE is focused towards on introducing Green and Digital Solutions aimed towards making the Indian Grid smarter and more environmentally-friendly.

#### **About GE's Grid Solutions:**

Grid Solutions, a GE Renewable Energy business, serves customers globally with over 17,000 employees in approximately 80 countries. Grid Solutions helps enable utilities and industry to effectively manage electricity from the point of generation to the point of consumption, helping to maximize the reliability, efficiency and resilience of the grid. For more about GE Renewable Energy's Grid Solutions business, visit [www.gegridsolutions.com](http://www.gegridsolutions.com).

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