

ABB wins transformer order worth \$26 million in India

Ultrahigh voltage transformers and shunt reactors to support reliable and efficient power generation and grid integration

Zurich, Switzerland, March 11, 2014 - ABB, the leading power and automation technology group, has won an order worth around \$27 million from NTPC, India's central power generation utility to supply generator transformers and shunt reactors. These will be installed at a greenfield 2x800 megawatt (MW) thermal power plant being constructed at Gadawara, in the central Indian state of Madhya Pradesh (MP).

These transformers and reactors will facilitate the efficient and reliable evacuation of power generated from the power plant and its integration into the transmission grid serving the central Indian states of MP and Chattisgarh and the western states of Maharashtra, Gujarat and Goa. The project is scheduled for commissioning in 2017-18.

ABB will supply seven 315 megavolt ampere (MVA), 765 kilovolt (kV) single phase generator transformers, seven 85 MVA, 765 kV single phase 'tie' transformers as well as four 110 MVA, and ten 80 MVA, 800 kV single phase reactors. The transformers and reactors will be manufactured at the company's local manufacturing facility in Vadodara, based on ABB's proven technology.

India is investing in its ultrahigh voltage network to strengthen its power transmission grid and ABB is playing a key role in supporting this development through turnkey substation solutions and a range of power products including switchgear and transformers.

"These transformers and shunt reactors are based on the latest design and engineering technologies to ensure maximum reliability and efficiency" said Markus Heimbach, head of ABB's Transformers business, a part of the company's Power Products division. "We are pleased to support India's continued efforts to build its ultrahigh voltage network and strengthen its power infrastructure"

NTPC is among the largest power generation utilities globally with a total installed capacity of over 42,000 MW comprising 17 coal-based and seven gas based stations, located across India. It contributes to more than one fourth of India's total power generation.

Shunt reactors are deployed to compensate for reactive power generation in long high-voltage power transmission lines and in cable systems. Generator transformers increase voltages to the required level and enable efficient power transmission.

Transformers are integral components of an electrical grid, and essential for the efficient and safe conversion of electricity between diverse voltage systems. ABB's transformer portfolio includes power transformers rated up to 1,200 kV, dry- and liquid-distribution transformers, traction and special application transformers as well as related services and components.

ABB (www.abb.com) is a leader in power and automation technologies that enable utility and industry customers to improve performance while lowering environmental impact. The ABB Group of companies operates in around 100 countries and employs about 150,000 people.

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