

ABB wins \$165 million transformers order in China

800 kilovolt ultrahigh-voltage transformers to help strengthen transmission grid

Zurich, Switzerland, April 1, 2011 – ABB, the leading power and automation technology group, has won an order worth about \$165 million from State Grid Corporation of China (SGCC) to supply 800 kilovolt (kV) UHVDC (ultrahigh voltage direct current) transformers for both converter stations of the new Jinping-Sunan ultrahigh-voltage transmission system. The order was booked in the first quarter.

The converter transformers will facilitate the efficient and reliable flow of power across a new UHVDC link that will transmit hydropower from Yalong river in Sichuan province to the highly populated Jiangsu province on the east coast of China. By using the highest available direct current voltage levels, it will be possible to transmit 7,200 megawatts (MW) of electricity across more than 2,000 km. The transmission link is scheduled to be energized by SGCC in 2013.

“800 kV UHVDC transformers are key components of ultrahigh-voltage power links that deliver large amounts of electricity over very long distances and help integrate environmentally friendly renewable energies. There are many challenges involved in building them, for example, increasing the technical specifications of the insulation and redesigning critical components like bushings,” said Bernhard Jucker, head of ABB’s Power Products division. “The ongoing cooperation between ABB and SGCC has played a key role in this success”.

SGCC is the country’s leading power utility responsible for the construction and operation of a vast power network that covers 26 provinces, autonomous regions and municipalities across a service area that represents 88 percent of the national territory.

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 124,000 people.

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