

ABB to provide substation solution in Southern India to help meet growing power demand

Indoor gas-insulated switchgear (GIS) substation to boost supply of electricity in central Chennai and strengthen power grid

Zurich, Switzerland, Sept.30, 2014 - ABB, a global leader in power and automation technology, has won an order worth around \$10 million from Tamil Nadu Transmission Corporation Ltd (TANTRANSCO), the state-owned utility, to build a new substation in downtown Chennai.

Tamil Nadu is among the most industrialized states in India and Chennai, its capital and the fourth most populous metropolitan area of the country, is considered the biggest industrial and commercial center in southern India.

As part of the turnkey contract, ABB will design, supply, install and commission the substation. Key product supplies include nine bays of 230 kilovolt (kV) GIS, power transformers and 23 indoor switchgear units rated at 33 kV. The substations will also be equipped with IEC 61850 based open protection, automation and telecommunication systems as well as ancillary systems.

“This substation will help to reinforce the grid and enhance power supplies to meet the increasing demand for electricity from residential and commercial consumers as a result of growing urbanization,” said Claudio Facchin, head of ABB’s Power Systems division. “ABB’s compact GIS technology will reduce the substation’s footprint significantly, with due consideration to safety and aesthetics, while ensuring efficiency and reliability.”

The compact substation solution to be deployed in the congested Raja Annamalai Puram area, in the city center, is designed to blend in with the surroundings, and a quick turnaround time will help to minimize inconvenience to the neighboring areas during construction. The project is scheduled to be completed in 2015.

ABB is the world’s leading supplier of air-insulated, gas-insulated and hybrid substations with voltage levels up to 1,100 kV. These substations facilitate the efficient and reliable transmission and distribution of electricity with minimum environmental impact, serving utility, industry and commercial customers as well as sectors like railways, urban transportation and renewables.

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 145,000 people.

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