

Siemens shunt reactor technology supports power infrastructure development in Oman

Larsen and Toubro in Oman, one of the leading global technology, engineering, construction, and manufacturing companies, has selected Siemens to supply four shunt reactors to the Oman Electricity Transmission Company. The reactors will be installed at 400-kV substations in Izki and Ibri to improve grid stability across the transmission lines between these cities.

Oman is facing rising demand for electricity, driven by population growth and increased industrial activity led by the oil, gas, and petrochemicals sector. The Oman Electricity Transmission Company (SAOC) has an ambitious plan to strengthen the main electricity transmission lines across the

Sultanate to facilitate greater linkage between the country's energy networks.

Shunt reactors are vital components of an efficient long-distance high-voltage power transmission system. They are used as protection from voltage surges on long transmission lines between power plants and consumption areas. Siemens shunt reactors, featuring high efficiency and low life-cycle costs, can increase the energy efficiency of power transmission by improving power quality and reducing transmission costs.

As part of the agreement, the four 400-kV, 100-MVAr oil-filled shunt reactors that will be delivered on-site, will include the manufacturing, design, engineering, testing, and training services. Manufactured at the Siemens transformer factory in Weiz, Austria, the reactors are scheduled for delivery in 2018.

Wolfgang Braun, Senior Executive Vice President of Siemens Energy Management in the Middle East, added: "We are delighted to provide our latest grid technologies to help meet Oman's growing energy needs by strengthening the Sultanate's transmission infrastructure and improving power availability. Siemens' advanced shunt reactor technology will help even out

voltage and load variations to deliver reliable, uninterrupted, and stable supply of electricity to homes and offices and other facilities in Oman."

For further information on Siemens Energy Management, please see www.siemens.com/energy-management



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