

25-May-2016

First 800 MW Supercritical Thermal Power Plant in Karnataka commissioned by BHEL

Bharat Heavy Electricals Limited (**BHEL**) has successfully commissioned the first 800 MW Supercritical thermal unit in Karnataka, which is also the highest rating unit in the state. The unit has been commissioned at the 2x800 MW Yeramarus Thermal Power Station (TPS) located in Raichur district of Karnataka. Yeramarus is being developed by Raichur Power Corporation Limited (RPCL) - a Joint Venture of Karnataka Power Corporation Limited (KPCL) and **BHEL**. The second unit of this project is also in an advanced stage of construction and is expected to be commissioned shortly. **BHEL**'s scope of work for the project envisaged design, engineering, manufacture, supply, erection and commissioning of state-of-the-art supercritical Boiler and Turbine Generators along with associated civil works and agreed Balance of Plant (BoP) packages. The key equipment for the project has been manufactured by **BHEL** at its Haridwar, Bhopal, Ranipet, Hyderabad, Jhansi, Thirumayam and Bengaluru plants, while the construction of the plant has been undertaken by the company's Power Sector- Southern Region. **BHEL** has been a major partner of KPCL in the development of Karnataka's power sector. **BHEL** has supplied and executed 4,010 MW of coal-based sets for KPCL & its JV, accounting for 95% of their installed coal-based capacity. **BHEL** had earlier commissioned the 700 MW Bellary Stage-3 supercritical project in Karnataka. The company is also presently executing KPCL's first gas-based combined cycle power project of 370 MW capacity involving a fuel-efficient advanced-class gas turbine at Yelahanka. **BHEL** is the market leader in both the subcritical as well as the supercritical segments in the country. **BHEL** has contracted 48 supercritical Steam Generators (Boilers) and 41 supercritical Steam Turbine Generators - the highest in the country by any power equipment manufacturer. Notably, in the fiscal 2015-16 itself, **BHEL** has been entrusted with orders for 12 supercritical Steam Generators and 10 supercritical Steam Turbine Generators by various utilities. Of the contracted sets, **BHEL** has already commissioned 11 supercritical Steam Generators and 9 supercritical Steam Turbine Generators in the country. **BHEL** has once again proved its prowess as a leading supercritical power equipment manufacturer having assimilated state-of-the-art supercritical technology, suited to Indian conditions.

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