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BHEL secures Two Orders for setting up Thermal Power Projects comprising India's Highest Rating 800 MW Supercritical Sets

Bharat Heavy Electricals Limited (**BHEL**) has secured prestigious orders, cumulatively valued at at Rs.46,140 Million, for setting up two supercritical thermal power projects involving one unit each of the countryâ€™s highest rating 800 MW sets, in Andhra Pradesh. The orders have reinforced **BHEL**â€™s position at the forefront of the power equipment suppliers in India. The projects are 1x800 MW Dr. Narla Tata Rao Thermal Power Station (Dr NTTPS) Stage-V of Andhra Pradesh Power Generation Corporation Ltd (APGENCO) and 1x800 MW Sri Damodaram Sanjeevaiah Thermal Power Station (SDSTPS) Stage-II, popularly known as Krishnapatnam Supercritical Thermal Power Project, of Andhra Pradesh Power Development Company Ltd. (APPDCL). Both the projects are valued Rs.23,070 Million each. Significantly, 6 units of 210 MW rating and 1 unit of 500 MW rating, all supplied earlier by **BHEL**, are in operation at Dr NTTPS, Vijaywada. Notably, the first unit of 210 MW at Vijayawada has been in operation since 1979. At Krishnapatnam also, 2 units of 800 MW rating each are already in operation at Stage-I of the project, where the Steam Generator Package, including the Electrostatic Precipitators (ESP), has been supplied by **BHEL**. The commissioning of the 800 MW unit at Krishnapatnam Stage-I, the first 800 MW Supercritical Thermal Power Plant in the Government Sector, was a major breakthrough for the country in achieving self reliance in the field of the latest state-of-the-art supercritical technology. **BHEL** has been a long standing partner in the development of the state of Andhra Pradesh with 84% of the coal-based power stations having been commissioned by **BHEL**. Notably, these plants operated at a high Plant Load Factor (PLF) of 78.1% against the national average of 65.6% in 2014-15. Projects equipped with **BHEL**-supplied sets such as Ramagundam, Vijayawada, Kothagudem & Rayalaseema have consistently been winning meritorious awards from the Ministry of Power for outstanding performance. **BHEL**'s scope of work in the projects includes supply, erection and commissioning of Boilers, Turbines, Generators and associated auxiliaries. To overcome the current uncertainty of coal supply, **BHEL** shall be supplying its in-house developed fuel flexible Boilers, which are capable of firing the entire range, from 100% Indian to 100% imported mix of coal. This design has been developed by **BHEL** with its vast experience of over five decades of working with various types of coal. This will provide security against variation in design coal and the coal actually available during operation, thereby offering operational flexibility to ensure uninterrupted generation of electricity. **BHEL** is the market leader in both the subcritical as well as the supercritical segments in the country. With these orders, **BHEL** has now contracted 43 supercritical steam generators (Boilers) and 38 supercritical steam turbine generators â€“ the highest by any power equipment manufacturer.