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BHEL commissions 500 MW Thermal Unit in Uttar Pradesh

Bharat Heavy Electricals Limited (**BHEL**) has achieved yet another landmark in the power development programme of the state of Uttar Pradesh by successfully commissioning the second 500 MW thermal unit at Anpara-D Thermal Power Plant (TPP) in Sonbhadra district of Uttar Pradesh. Significantly, with this, **BHEL** has added 2,320 MW of generating capacity in Uttar Pradesh in the current fiscal (2015-16). Significantly, this is a first of its kind project, where the power plant has been set up on an abandoned ash pond, thereby enabling saving of scarce land. Setting up the power plant on an ash pond required special technological innovations in the area of civil engineering. Successful execution of this project has set an alternate option for future projects facing constraints of scarcity of land. **BHEL** was entrusted with the contract for setting up 2 units of 500 MW each at Anpara-D TPP by Uttar Pradesh Rajya Vidyut Utpadan Nigam Limited (UPRVUNL). The first 500 MW unit of the project was commissioned earlier by **BHEL** in June, 2015. In addition, **BHEL** has recently commissioned two sets of 660 MW rating in UP, at Bara in December, 2015 & Lalitpur in January, 2016. **BHEL**'s scope of work for the project envisaged design, engineering, manufacture, supply, erection and commissioning of state-of-the-art equipment for the project on Engineering, Procurement & Construction (EPC) basis. Key equipment included Steam Turbines, Generators and Boilers, along with associated auxiliaries and electricals, besides Controls & Instrumentation (C&I), Electrostatic Precipitators (ESPs), suitable for Indian coal and Indian conditions, Balance of Plant (BOP) packages and civil works. **BHEL** has been a major partner in the power development programme of Uttar Pradesh, with 77% of its government sector projects, aggregating to over 13,000 MW, having been supplied by **BHEL**. **BHEL**-make 500 MW sets of this rating class today form the backbone of the Indian power sector and have been performing much above the national average as well as international benchmarks. **BHEL** has already established its engineering prowess in the past through successfully delivering higher-rated units such as 600 MW, 660 MW, 700 MW and 800 MW thermal sets, having a high degree of indigenization.

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