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Madhya Pradesh gets new power generating unit with the successful commissioning of 600 MW coal-based thermal power plant by BHEL

Bharat Heavy Electricals Limited (**BHEL**) has achieved yet another landmark by successfully commissioning a 600 MW thermal unit in Madhya Pradesh. The unit has been commissioned at Madhya Pradesh Power Generating Company Limited's 2x600 MW Shree Singaji Thermal Power Project, located near Dongaliya village of Khandwa District of Madhya Pradesh. Earlier, the first unit at the same power project was commissioned by **BHEL** in November, 2013 and is running as per grid requirement. **BHEL's** scope of work in the contract covered design, engineering, manufacture, supply, erection and commissioning and civil, structural and architectural work of main power block equipment broadly comprising of Steam Turbines, Generators, Electrostatic Precipitators and Boilers along with associated Auxiliaries & Electricals besides state of the art Controls & Instrumentation. This in-house engineered 4-cylinder 600 MW rating TG sets establish the engineering prowess of **BHEL**. Today, the 500 MW sets, earlier supplied by **BHEL**, form the backbone of the Indian power sector and have been performing much above the national average as well as international benchmarks. **BHEL** has so far contracted 21 sets of 600 MW rating, out of which nine sets have already been commissioned. These sets have a very high level of indigenization. A large number of similar rating sets ensures easy availability of spares and operator's familiarity. **BHEL** has a share of more than 90% in the thermal generating capacity of the state utility in Madhya Pradesh. In addition to this, **BHEL** is presently executing 1x500 MW Vindhyachal and 2x800 MW Gadawara coal based projects of NTPC in Madhya Pradesh. Notably, **BHEL** has commissioned projects with a cumulative capacity of more than 19,000 MW in two and half years of the XIIth plan whereas 25,385 MW was commissioned by the company in the XIth plan. **BHEL** supplied thermal sets fully meet performance standards notified by the CEA. As per a recent CEA study on the performance of sub-critical sets in the country, **BHEL** supplied sets have demonstrated a better operating heat rate resulting in less coal consumption per unit of power produced.

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