भारत हेवी इलेक्ट्रिकल्स लिमिटेड
Bharat Heavy Electricals Limited

बीएच ई एल
BHEL
Maharatna Company

कॉर्पोरेट संचार
Corporate Communication

PRESS RELEASE

BHEL wins Rs.11,700 Crore order

for 3x800 MW Supercritical Power Plant in Jharkhand

New Delhi, March 9: Amidst stiff international competitive bidding (ICB), Bharat Heavy Electricals Limited (BHEL) has won a Rs.11,700 Crore order for setting up a 3x800 MW supercritical thermal power plant in Jharkhand.

The order for setting up the 3x800 MW Patratu Super Thermal Power Station Expansion, Phase-I (3x 800 MW) has been placed on BHEL by Patratu Vidyut Utpadan Nigam Limited (PVUNL - a subsidiary of NTPC Ltd. in Joint Venture with Jharkhand Bijli Vitran Nigam Limited).

Significantly, this is the single largest order ever placed by NTPC or its subsidiaries and the second largest order ever won by BHEL. Located at Patratu in Ramgarh district of Jharkhand, the project will be executed by BHEL on Engineering, Procurement and Construction (EPC) basis.

The project will significantly contribute to the nation's quest for clean and eco-friendly power in multiple ways. It will reduce fuel consumption by employing high efficiency equipment working at higher operating parameters. The commissioning of the project would also lead to phasing out of the old fleet of sub-critical units presently installed at Patratu, enabling a quantum leap in efficiency of the station.

The project will further limit emissions by utilizing state-of-the-art Flue Gas Desulphurization (FGD) and Selective Catalytic Reduction (SCR) systems to capture pollutants like SOx and NOx. Significantly, the project is the largest of its kind in the country to be based on Air Cooled Condenser technology, which will result in conserving a large amount of water.

BHEL has been a major partner in the power development programme of Jharkhand and is also currently executing the 3x660 MW North Karanpura Super Thermal Power Station located in Chatra district. Significantly, over 80% of the installed power generating capacity in the state of Jharkhand is equipped with BHEL sets.

Key equipment for the project will be manufactured at BHEL's Trichy, Haridwar, Hyderabad, Ranipet, Bhopal, Bengaluru and Jhansi plants, while the company's Power Sector – Western Region division will be responsible for construction and installation activities at the site.

BHEL is the leading power equipment manufacturer with 56 sets of supercritical boilers and 49 sets of supercritical turbine generators ordered on it so far, by various customers in the domestic as well as overseas markets.

BHEL is India's largest manufacturer of power generation equipment with an installed base of over 1,80,000 MW of power plant equipment globally. In the supercritical segment, BHEL has successfully manufactured and executed 660 MW, 700 MW and 800 MW sets, thereby demonstrating its leadership status and technological prowess.

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SDGM(CC)

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