



Project News

BHEL wins Order for 3x800 MW Coal-Fired Power Plant in Jharkhand, India

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New Delhi (Delhi), India –

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 SO_x and NO_x. 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.