

L&T Press Release

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L&T's Power Business Operationalises India's first ultra-supercritical power project unit

Enables NTPC to Add 1320 MW Generation Capacity

Mumbai, October 14, 2019: The Power business of Larsen & Toubro (L&T) has successfully operationalised two thermal power units of 660 MW each at NTPC's Khargone Super Thermal Power Project in Madhya Pradesh and Tanda Thermal Power Station in Uttar Pradesh. This has enabled NTPC to add 1320 MW capacity to the national grid and has also demonstrated L&T's capabilities in executing complex power projects in the country.

The 660 MW Khargone unit is the country's first ultra-supercritical unit set up on complete engineering, procurement and construction (EPC) basis. Ultra-supercritical units feature steam parameters of 600 degree Celsius and 270 kg/cm² pressure resulting into higher efficiencies, enabling plants to consume less coal resulting in lesser emissions in comparison to sub-critical and supercritical power plants.

The 660 MW Tanda unit is equipped with supercritical boiler manufactured by L&T-MHPS Boilers Pvt Ltd, a joint venture company of L&T and Mitsubishi Hitachi Power Systems (MHPS), Japan. The Khargone and Tanda projects are each of 2x660 MW capacity.

Commenting on the operationalization, **Mr. S.N. Subrahmanyam, CEO & Managing Director - L&T**, said, "L&T has always been the front runner in achieving various firsts in the power sector. Successful completion of full load trial run of India's first ultra-supercritical power plant unit showcases our robust capabilities in engineering, manufacturing, project management and construction in executing complex mega power projects."

Mr. Shailendra Roy, CEO & Managing Director - L&T Power & Whole-time Director - L&T, said, "We are proud to have associated with NTPC for these projects. Of late, NTPC and other state utilities are preferring the EPC route for execution of big power projects as the projects set up earlier on multiple split packages have seen enormous delays due to complexities in coordination, interface issues, absence of single point responsibility, etc. L&T will continue to strive for meeting customer expectations by setting new benchmarks in delivering power projects on schedule."

With the commissioning of the first unit of Khargone project, the Power business of L&T has added another feather to its track record of supercritical power project execution on EPC basis. Earlier, L&T executed supercritical power projects for Nabha Power Ltd (Punjab), Rajasthan Rajya Vidyut Utpadan Nigam Ltd and Madhya Pradesh Power Generation Company Ltd on complete EPC basis. Recently, L&T has started execution of 2x660 MW ultra-supercritical power project for SJVN Thermal Private Ltd at Buxar (Bihar) on complete EPC basis.

Background:

Larsen & Toubro is an Indian multinational engaged in technology, engineering, construction, manufacturing and financial services with over USD 21 billion in revenue. It operates in over 30 countries worldwide. A strong, customer-focused approach and the constant quest for top-class quality have enabled L&T to attain and sustain leadership in its major lines of business for eight decades.

L&T-MHPS Boilers Private Limited (formerly known as L&T-MHI Boilers Private Limited): A joint venture company of L&T, India with 51% equity and Mitsubishi Hitachi Power Systems, Japan, with 49% equity, was incorporated on October 9, 2006. LMB has its state-of-the-art manufacturing facility at Hazira, Gujarat for manufacture of pressure parts and coal pulverisers for supercritical steam generators.

Mitsubishi Hitachi Power Systems Ltd: Mitsubishi Hitachi Power Systems Ltd (MHPS) is a joint venture company formed by Mitsubishi Heavy Industries and Hitachi, integrating their thermal power generation systems and other related businesses in February 2014. MHPS has decades of experience in manufacturing supercritical boilers and turbine-generators. It possesses state-of-the-art technology and has the world's most extensive references of large capacity supercritical boilers and turbines.

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