# Press Release

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### A contract worth over €125 million for Alstom

## Alstom-Bharat Forge Joint Venture to supply two "turbine islands" for coal-fired power plants in India

Alstom Bharat Forge Power Ltd. (ABFPL), the joint venture company between Alstom and Bharat Forge, has secured an order worth over  $\epsilon$ 250 million (INR 1570) crore for the supply to NTPC Limited of two units of 660 MW supercritical coal "turbine islands" in Solapur located in the state of Maharashtra in India. Alstom's share of the contract amounts to approximately  $\epsilon$ 125 million and will be booked in April 2012.

The Alstom Bharat Forge Power Ltd. had emerged as the lowest bidder in NTPC's bulk tender for supply of 11 units of 660 MW super critical Turbine Generator islands. As per the tender conditions, ABFPL is also expected to get awarded an additional order for three units of 660 MW for the Nabinagar site from Nabinagar Power Generating Co. Pvt Ltd (NPGCPL), a JV between NTPC and Bihar State Electricity Board (BSEB).

ABFPL's scope of work involves engineering, manufacturing, supply, erection and commissioning of five of a total of eleven 660 MW supercritical units. The 7300 MW tender is the biggest ever initiated by the Indian government. It will increase India's installed power capacity in order to support the rapid growth of the country's economy while providing economically competitive and environmentally efficient technology.

Supercritical plants use steam with very high temperatures and pressure, resulting in a much higher efficiency than conventional sub-critical coal fired plants. This means that a supercritical unit burns much less coal and generates less emission for a given power output.

This contract supports the start of the Alstom-Bharat Forge Joint Venture and reinforces Alstom's presence in India's market for supercritical steam turbine generators. Construction at ABFPL's new manufacturing facility at Mundra, Gujarat is on-going and the factory will start its operations in 2013. The state-of-the-art integrated plant, set up over 120 acres of land to manufacture supercritical power plant equipment with an annual capacity of 5000 MW, will be one of the largest integrated facility for turbines, generators and auxiliaries manufacturing in the country.



"Already recognised in India as a strong player in power generation and after 100 years of contribution to the country, Alstom is now further advancing in the local steam market through its local set-up formed with its JV partner, Bharat Forge. The plant in Mundra is designed for the manufacturing of state-of-the-art steam turbines and generators as well as condensers and heaters. It will significantly contribute to provide competitive and clean power solutions for India's energy needs and challenges," commented, Andreas Lusch, Senior Vice President of Alstom's Steam business.

#### **About Alstom**

Alstom is one of the world's leaders in power generation, power transmission and rail infrastructure and sets the benchmark for innovative and environmentally friendly technologies. Alstom builds the fastest train and the highest capacity automated metro in the world, provides turnkey integrated power plant solutions and associated services for all thermal (coal, nuclear, gas...) and renewable (hydro, wind, solar...) energy sources. It offers a wide range of solutions for power transmission, with a focus on smart grids. The Group employs over 90,000 people in around 100 countries, and had sales of  $\in$ 21 billion in 2010/11.

#### About Alstom in India

Alstom is a global leader in power generation, power transmission and rail infrastructure. Present in India since 1911, Alstom has strong capabilities in engineering, manufacturing, project management and supply of products and solutions for infrastructure. With four R&D centres: Alstom Infosys R&D Centre in Bengaluru, Transport in Bengaluru, Hydro Global Technology Centre in Vadodara and Hosur for Grid, two engineering centres for Power in Noida and Kolkata and eleven manufacturing units dedicated to: Hydro in Vadodara, Boilers in Durgapur, auxiliary components in Shahabad, Steam turbines in Mundra (upcoming) and Transport at Coimbatore and SriCity (upcoming), Grid in Padappai, Pallavaram, Hosur, Vadodara and Naini, Alstom's presence cuts across the length and breadth of India. Alstom also has a Global Engineering & Software Centre for Railway & metro in Bengaluru for Transport.

#### About Alstom-Bharat Forge

Alstom Bharat Forge Power Ltd. is a joint venture between Alstom and Bharat Forge Ltd, created to participate in the Indian market of turbines islands (steam turbines and generators, heat exchangers and all associated equipment). Alstom has a majority stake in this joint venture. This JV company has set the cornerstone of its new manufacturing facility at Mundra (Gujarat, India). The main orders for machine tools for this manufacturing facility have already been placed and the construction is on-going. The JV manufacture 300-800MW subcritical and supercritical equipment with an annual capacity of 5000 MW. The arrangement between Alstom and Bharat Forge involves the setting up of two JV companies – one for manufacturing of steam turbine and generators and the other for manufacturing of all the auxiliaries.

#### About Bharat Forge

Bharat Forge Limited (BFL) is the flagship company of the USD 2.5 billion Kalyani Group and a global provider of high performance, innovative, safety & critical components and solutions to various industrial sectors including Automotive, Oil & Gas, Aerospace and Rail & Marine. BFL today has the largest repository of metallurgical knowledge in the region and offers complete end to end capability from concept to testing and validation to marquee global OEM's. At the cusp of a breakout growth & transformation into an engineering conglomerate through its aggressive foray in



capital goods and infrastructure sectors, BFL is committed to proactively expedite India's transformation into a global economic powerhouse.

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