# Press Release

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### A contract worth around €185 million for Alstom

## Alstom-Bharat Forge joint venture to supply three 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 in India an order worth over  $\in$ 350 million (Rs. 2,251 crores). ABFPL will supply three units of 660 MW supercritical coal turbine islands to Nabinagar Power Generating Co. Pvt Ltd, a joint venture between NTPC and Bihar State Electricity Board in Nabinagar, located in the state of Bihar. Alstom's share of the contract amounts to around  $\in$ 185 million.

ABFPL's scope of work includes engineering, manufacturing, supply, erection and commissioning of three 660 MW supercritical units. This order is part of the NTPC bulk tender for the supply of eleven 660 MW turbine generator islands. This award follows the  $\epsilon$ 250 million order won by ABFPL in April 2012 for the supply of two 660 MW supercritical units to NTPC Limited's Solapur site in Maharashtra, India.

Alstom's supercritical technology uses steam with very high temperatures and pressure, resulting in a much higher efficiency (above 40 per cent) than conventional sub-critical coal fired plants. This means that a supercritical unit burns much less coal, generating less emission per megawatt of power output. This meets India's needs to increase electricity production for their development whilst limiting CO2 emissions.

"The Solapur and Nabinagar orders confirm our commitment to further expand on the local steam market in India. Thanks to its strong expertise, technology, product portfolio, Alstom, together with its JV partner Bharat Forge, is well positioned to address the power requirements of the fast growing country," commented, Andreas Lusch, Senior Vice President of Alstom's Steam business.

#### **About Alstom**

Alstom is a global leader in the world of 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 a wide variety of energy sources, including hydro, nuclear, gas, coal and wind, and it offers a wide range of solutions for power transmission, with a focus on smart grids. The Group employs 92,000 people in around 100 countries. It had sales of  $\notin$  20 billion and booked close to  $\notin$  22 billion in orders in 2011/12.



#### 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. Alstom has four R&D centres in India: Transport in Bengaluru, Hydro Global Technology Centre in Vadodara and Grid R&D centre in Hosur & Padappai. It has two engineering centres for Power in Noida and Kolkata and eleven manufacturing units dedicated to: Power - Hydro in Vadodara, Boilers in Durgapur, auxiliary components and air-pre heaters in Shahabad, Steam turbines in Mundra (upcoming), Transport at Coimbatore and SriCity and Grid in Padappai, Pallavaram, Hosur, Vadodara and Naini.

#### About Alstom-Bharat Forge Power

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 in India. The main orders for machine tools for this manufacturing facility have already been placed and the construction is ongoing. The JV manufacture 300-800MW subcritical and supercritical equipment with an annual capacity of 5000 MW.

#### About Bharat Forge

Bharat Forge Ltd. (BFL) is the flagship company of the USD 2.5 billion Kalyani Group -- a global provider of high performance, innovative, safety critical components and solutions to various industrial sectors including Automotive, Oil and Gas, Aerospace and Rail and 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 and 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 giant.

#### **Press Contacts**

Emmanuelle Châtelain, Isabelle Tourancheau – Tel +33 141 49 3738 /39 95 emmanuelle.chatelain@chq.alstom.com, isabelle.tourancheau@chq.alstom.com Elissaveta Bahovska (Alstom Thermal Power) – Tél. +41.79.611.3848 elissaveta.bahovska@power.alstom.com Vandana Dhir (Alstom India) - Tel +0120 4731141 – <u>vandana.dhir@alstom.com</u>

#### **Investor Relations**

Delphine Brault; Tel.: +33 (0)1 41 49 26 42, delphine.brault@chq.alstom.com

Website www.alstom.com