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***Contracts worth close to €8.4 million (INR 554 million) for Alstom***

## **Alstom to supply Control & Instrumentation for NTPC's 660 MW supercritical projects**

Alstom in India has secured two strategic contracts for the execution of turnkey station control and instrumentation (C&I) for NTPC's (National Thermal Power Corporation) 660 MW supercritical projects for Solapur and Mouda II located in the state of Maharashtra in India. These contracts worth close to €8.4 million (INR 554 million) have been awarded to Power Automation & Controls (PAC) Business India.

The turnkey scope of the projects cover a combined area of complete station control with ALSPA Control systems - to be manufactured in Alstom's state-of-the-art manufacturing facilities in India and Europe. While the automation solutions for the project will be integrated locally by setting up a integration facility in India, the electronic cards and assemblies will be manufactured by Alstom facilities in Europe. Alstom manages the complete engineering, supply, manufacture, delivery to site, installation, commissioning, testing and quality of the package.

As part of the PAC India R&D setup, Alstom has established a state-of-the-art large thermal Digital Control System (DCS) Reference Platform in India which will ensure the smooth and efficient functioning of the products. The Platform is run on a 24x7 basis to subject the system to extreme conditions from a process perspective and ensure robustness of the product over its lifecycle.

This is the biggest project for Alstom in the C&I segment in India and also the first contract provided to Alstom by NTPC in the C&I 660 MW segment. As per the tender conditions, PAC India is also expected to get awarded an additional order for three units of 660 MW for the Nabinagar site located in the state of Bihar.

With this contract, a new market segment has opened up for PAC India. Alstom PAC India had collaborated with NTPC in the past for projects in the cities of Kawas and Gandhar. A total of 15.4 GW installed capacity of Alstom power plants in thermal and renewable energy sector in India work with ALSPA control system technologies.

*"Alstom is recognised in India for its state-of-the-art solutions which aim at optimising efficiency, quality, availability and security of power generation plants and fleet. The Power Automation and Controls business is a major component of Clean Power offering of Alstom. With this contract, Alstom has reinforced its commitment towards providing clean power solutions by rising to the challenges posed by ever-surmounting energy needs of the country."* commented, Francois Carpentier, Vice President, Thermal and Renewable Power, Alstom India.

#### **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 €20 billion and booked close to €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. 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 and airpreheaters 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.*

#### **Press Contacts**

Rachana Panda (Alstom India) - Tel +91 120 473 2535, [rachana.panda@alstom.com](mailto:rachana.panda@alstom.com)

**Website** [www.alstom.com](http://www.alstom.com), [www.alstom.com/India](http://www.alstom.com/India)