

15 July 2014

Alstom and NASL to renovate and modernise Electrostatic Precipitators for NTPC's Talcher Super Thermal Power Plant in India

Alstom and NASL¹ have been awarded a contract worth approximately €13 million (INR 1,074 million) by NTPC for the renovation and modernisation of electrostatic precipitators (ESP) at four units of the 4 x 500 MW Talcher Super Thermal Power Plant in Odisha. The upgrade will reduce particulate emissions from the plant below 50 mg/Nm³. The project is scheduled to be commissioned in 2018.

The scope of the project includes engineering, supply, erection, commissioning and testing of new parallel passes installed for four ESPs, Dry Ash Handling system for new passes and associated civil, mechanical and electrical works. Alstom and NASL had earlier executed ESP retrofits for NTPC's Tanda 4 x 110 MW plant as well.

Commenting on this contract, Patrick Ledermann, Vice President Alstom Thermal Power & Renewable Power in India, said, "*It is a significant step forward for Alstom and NASL and clearly reinforces the market's faith in our leading air quality control systems and services. Alstom's extensive experience in providing customised retrofit solution, seamlessly integrated into the existing plant, made it the unparalleled choice for this project. Going forward, our focus will be to ensure the application of the most effective and efficient environmental control technology for the Talcher plant.*"

ESPs have been used widely to control particulate emissions and are often the most cost-effective solution due to high removal efficiencies in combination with robustness and low maintenance costs. A large majority of industrial and thermal power units in India are equipped with ESPs. More stringent emission requirements and more challenging conditions due to fuel switching and other process changes result in a need for improved collection efficiency and ESP retrofit. Alstom, with a strong reference base of more than 4,500 successful ESP installations worldwide, is well positioned to serve this growing sector in 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

¹ NASL is a joint venture company between NTPC and Alstom.



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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 93,000 people in around 100 countries. It had sales of over €20 billion and booked €21.5 billion in orders in 2013/14.

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 centres in Hosur & Padappai. It has two engineering centres for Power in Noida and Kolkata and twelve manufacturing units dedicated to: Power - Hydro in Vadodara, Boilers in Durgapur, auxiliary components in Shahabad, Steam turbines in Gujarat, Transport at Coimbatore and SriCity and Grid in Padappai, Pallavaram, Hosur, Vadodara, Naini and Noida.

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