

## PRESS RELEASE

### ***FOR IMMEDIATE RELEASE***

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## **Yokogawa Receives Control System Contract for Supercritical Coal Fired Power Plant in Bihar, India**

Yokogawa Electric Corporation announces that Yokogawa India Limited has received a contract from National Thermal Power Corporation Ltd. (NTPC), India's largest power utility, to supply automation and control system for a new supercritical coal fired power plant project in Bihar state. This contract is estimated to be worth 11.8 million US dollars.

When completed, the Barh Supercritical Coal-fired Power Plant will generate a total of 1,980 MW (3 units x 660 MW), making it the largest thermal power plant in Bihar. Unit 1 is planned to start operation in October 2009. India's power industry has been straining to keep up with the country's recent economic growth, and the expansion of power generation capacity has become a top priority. Consequently, NTPC plans to add 11 GW in capacity through the construction of new coal fired power plants by 2012. The Barh Power Plant is one of these planned facilities.

In this project, Yokogawa India is providing instrumentation systems for the boilers and other utilities of three power generators. These include the CENTUM CS 3000 R3 Distributed Control System, PRM Plant Resource Manager, DPharp EJA Pressure/Differential Pressure Transmitters, and IR8A Infrared Gas Analyzers. As part of its full turnkey project solution, Yokogawa India is also providing engineering, installation, and commissioning services.

NTPC selected Yokogawa for this project because of the extensive track record that Yokogawa India has acquired over the past 20 years in the installation of control systems for various kinds of coal-fired and captive

power plants in the Indian power market. Yokogawa India's power plant automation experience, expertise, and engineering capability are very highly regarded by NTPC.

Yokogawa has set its sights on becoming the frontrunner in the global IA market and is making a strategic effort to strengthen its activities worldwide. Taking advantage of the momentum generated by the Barh power project success, Yokogawa will actively pursue further orders both for the growing market in India and for power plant automation systems.

[1] National Thermal Power Corporation Ltd (NTPC)

NTPC was incorporated in the year 1975 to accelerate power development of the country as a wholly owned company. . At present, the Government of India holds an 89.5% of the total equity shares of the company.

[2]\_Supercritical coal fired power plant

This type of plant employs a technology that causes fluids to evaporate before they reach the boiling point, thereby reducing the consumption of thermal energy. When water is pressurized beyond the critical pressure point, steam is produced to drive a turbine. Because this technology has good thermal efficiency, it is said that supercritical technology will be the wave of the future of the coal fired power plants.

### **About Yokogawa India Ltd.**

Established in 1987, Yokogawa India has created state-of-the-art engineering and manufacturing centers in Bangalore. The company has a strong marketing and servicing network across India. For more information, see [www.yokogawa.com/in/](http://www.yokogawa.com/in/)

### **About Yokogawa Corporation of America**

Yokogawa's global network of 18 manufacturing facilities, 84 companies, and over 650 sales and engineering offices spans 33 countries. Since its founding in 1915, the US\$4 billion company has been engaged in cutting-edge research and innovation, securing more than 7,000 patents and registrations, including the world's first digital sensors for flow and pressure measurement. Industrial automation and control, test and measurement, information systems and industry support are the core businesses of Yokogawa. For more information about Yokogawa, please visit our web site at [www.yokogawa.com](http://www.yokogawa.com).