



Yokogawa to Enhance Euro III Refinery in Mangalore, India with FOUNDATION™ Fieldbus Devices

August 22, 2005

Yokogawa India Ltd. received a US\$1.2 million contract in June to construct a production control system based on FOUNDATION fieldbus technology at an oil refinery operated by Mangalore Refinery and Petrochemicals Ltd. (MRPL), a subsidiary of the Oil and Natural Gas Corporation Ltd. (ONGC).

This enhancement project includes the latest and most advanced FOUNDATION fieldbus-enabled digital plant control system, Yokogawa's CENTUM CS 3000 R3. Also included in the enhancements are flowmeters and differential pressure and pressure transmitters, the core building blocks of Yokogawa's **VigilantPlant** concept.

This will be one of the largest refinery facilities in India using FOUNDATION fieldbus devices. This MRPL refinery is located in Mangalore, a city in southwest India, and is currently capable of producing 11.9 million tons of petroleum per year. When this production control system becomes operational in July 2006, the output will conform to Euro III emission standards. Euro III is a European regulation that restricts exhaust gas. In India, there is increased demand for such environmentally friendly fuel meeting the emission requirement of the national auto fuel policy.

Teruyoshi Minaki, Director and Executive Vice President of the International Business Headquarters in Japan and a chairman of Yokogawa India Limited commented, "The reasons why we were awarded this project include our history of product quality, the advantages of FOUNDATION Fieldbus, our in-house expertise on FOUNDATION fieldbus, ability to provide comprehensive support, and our record of successfully completing many energy-related projects.

"We have been increasing the number of marketing staff and engineers in India. This effort to improve our responsiveness to customers has already borne some fruit. To

SEE

KNOW

ACT

vigilantplant.™
The clear path to operational excellence

become the world leader in the industrial automation (IA) business by the year 2010, we will continue to develop our international business proactively.”

Yokogawa India is strengthening Yokogawa’s effort in India. It has been very active in the petroleum, petrochemical, power and steel industries, and is presently one of the top three suppliers in the Indian IA market. The company will further enhance its coverage to cover industrial demands and aims to become number one in this market by 2007.

In 2003, India’s GDP was US\$550 billion, and the growth rate was 8%. Its future market potential is second only to China. India’s industrial development is continuing and the energy-related market has been growing annually at a double-digit rate. Fueling the immense growth are India’s plans to undertake many energy-related projects. Plans include building new complexes and expanding existing capacity.

For a complete introduction to Yokogawa’s FOUNDATION fieldbus devices, visit:
<http://www.yokogawa.com/fbs/fbs-index.htm>

About Yokogawa Electric Corporation — Yokogawa's global network of 18 manufacturing facilities, 83 affiliate companies, and over 650 sales and engineering offices spans 28 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

Yokogawa India Limited has grown since its establishment in 1987 from being primarily a provider of Process Automation Systems and products. Yokogawa India is today positioned as a Comprehensive Solutions Provider of Enterprise Technology Solutions. Yokogawa India operates from a state-of-the-art global engineering and manufacturing center in Bangalore, India. For more information about Yokogawa India Limited, visit www.yokogawa.com/in/

Yokogawa Corporation of America is the North American unit of \$4 billion Yokogawa Electric Corporation, a global leader in the manufacture and supply of instrumentation, process control, and automation solutions. Headquartered in Newnan, Georgia, Yokogawa Corporation of America serves a diverse customer base with market-leading products including analyzers, flowmeters, transmitters, controllers, recorders, data acquisition products, meters, instruments, distributed control systems, and more. For more information about Yokogawa Corporation of America, visit www.yokogawa.com/us/, call 770-254-0400, or toll-free at 800-888-6400, or e-mail info@us.yokogawa.com.