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Metso will supply special Neles® valves for a delayed coker unit in the Barauni refinery's capacity expansion in India. The refinery is operated by Indian Oil Corporation Ltd. The delayed coking process is one of the most demanding sub-processes in oil refining, and it sets especially high requirements for valve reliability and tightness.

Metso will supply the complete package of valves for the critical specialty valve system, including special Neles valves in Pressure Class 900, ball valves ranging from 2"-20" and a technologically advanced 4-way switching valve. Metso's scope also includes a programmable logic controller that continuously controls the devices and control panels. The PLC and control panels will be provided by an Indian original equipment manufacturer (OEM).

"Continuous operation is important for profitable delayed coking. We are glad that the customer trusts our knowledge in their process needs. With Metso's valve solutions, the customer is able to lower their life-cycle costs and can extend the overhaul intervals. Our modern service center and our experienced service professionals ensure optimized maintenance activities for the customer," says Vinay Pradhan, Director, Flow Control, India Metso.

The order is included in the second-quarter 2015 orders received by Metso. The value of the order will not be disclosed.

Metso holds a strong position as a technology supplier for the delayed coking process, particularly in North America. Recently, Metso has also delivered its valves for the delayed coking process for Abu Dhabi Oil Refinery's (TAKREER) plant and Sino-Venezuela's Guangdong Petrochemical Company plant in China.

Most comprehensive range of control valves for refineries

Today, Metso's control valve range is the most comprehensive on the market. It includes globe valves, top entry rotary valves, triple eccentric disc valves, eccentric rotary plug valves, and segment valves. Metso's portfolio has a suitable product for every application - from general to severe service and from low temperature or pressure to high temperature or pressure.

Reliable valve solutions are very critical components in refinery processes. The valves must withstand extremely demanding process conditions, such as high pressure and temperature, toxic and corrosive fluid, vibration and pressure shock under normal service conditions. They also must meet all safety requirements.

Metso has a long track record of delivering engineered performance and reliability to the oil & gas industry through its leading product brands - Neles®, Jamesbury® and Mapag® - and has delivered millions of valves, control valves, and on-off valves globally more than 90 years. It is the leading supplier of intelligent valve controllers.

Metso's comprehensive value-added services improve customers' process efficiency. Metso's flow control services are available through its more than 400 dedicated service professionals with in-depth valve application expertise at over 40 service centers worldwide.

Metso's valve technology centers and valve production facilities are located in Finland, the United States, Germany, China, South Korea, India and Brazil.

Source: Metso Corporation