Siemens VAI receives plate-mill order from Jindal Steel & Power Limited in India

The Siemens Group Industrial Solutions and Services (I&S) received an order from Jindal Steel & Power Limited for the supply of a 5.0-m-wide plate-mill line which will be installed at a new integrated-steel-plant site in Angul, Orissa State, India. The contract value is EUR65 million. The plant is scheduled for start-up in September 2008.

Jindal Steel & Power Limited (JSPL) is an integrated Indian iron and steel producer with existing production and manufacturing facilities in Raigarh and Raipur in Chhattisgarh State. Presently, all steel production at JSPL is used for the manufacture of rails, H-beams and columns for the infrastructure and construction sectors.

As part of a major investment program to expand its steel-production capacity and also to enter the flat-product-steel sector, JSPL signed a contract with the VAI Division of I&S for the supply of a 5.0-m-wide plate-mill line for installation at a new integrated-steel-plant site in Angul, Orissa. The annual production will be 1.2 million t/a of finished plates.

The project scope includes the following equipment: 20 MW plate-mill finishing stand with a 10,000-t-rolling load, an accelerated plate-cooling section (MULPIC system), hot leveler, cooling beds, double side-trim shear, slitting shear, final cut-to-length dividing shear, Level 1 automation for the entire line, Level 2 automation and process set-up models in addition to the main drives and motors. Provision will also be made to allow for the future installation of a roughing mill stand to enable an increase in the plant-
rolling capacity. As a special feature, the plate-mill stand will be equipped with the Siemens VAI SmartCrown system for enhanced profile and flatness control.*

The I&S division VAI will provide the complete engineering of all of the equipment for the plate-mill line and will supply all major machines, equipment and systems. JSPL will supply the ancillary equipment. The contract will be implemented by VAI Industries (UK) Ltd, Sheffield, U.K., supported by VAI Engineering and Automation (P) Ltd in Kolkata, India. With the completion of this project scheduled for September 2008, JSPL will be able to produce a total of 1.2 m t/a of plate primarily for line pipe, shipbuilding and high-level building-steel applications. This project brings the total number of new 5.0-m wide plate mill lines currently under execution by Siemens VAI to three (two in India and one in China).

*Technology Note
SmartCrown®, a registered trademark of VAI, is an advanced profile- and flatness-control system which can be installed in all hot- and cold-rolling mills where steel or aluminum is produced. On the basis of the unique roll contour (sine curve design that is tilted to adjust the radius variation along the roll-barrel length), an improved strip profile and higher-order shape control can be achieved.

VAI, a division of the Siemens Group "Industrial Solutions and Services" (I&S), is one of the world's leading engineering and plant-building companies for the iron and steel industry as well as for the flat-product-rolling sector of the aluminum industry. VAI, derived from the company VOEST-ALPINE Industrieanlagenbau, Linz/Austria, provides a comprehensive range of supplies and services for all related technological processes and integrated automation solutions for the entire life-cycle of metallurgical plants. In India, VAI Engineering & Automation Pvt. Ltd. is a separate legal entity, owned by the I&S-division VAI. This business is presently not integrated into the local Siemens operations.

The Siemens Industrial Solutions and Services Group (I&S) is the integrator of systems and solutions for industrial and infrastructure facilities and global service provider for the plant and projects business covering planning, installation, operation and the entire life cycle. I&S uses the electrical and technical products of other Siemens Groups in order to enhance productivity and improve competitiveness of companies in the sectors of metallurgy, water treatment, pulp and paper, oil and gas, marine engineering, open-cast mining, intelligent traffic systems and industrial services. In fiscal 2004 (to September 30) I&S employed a total of 30,000 people worldwide and achieved total sales of EUR 4.290 billion.

Further information and downloads under: http://www.industry.siemens.com or http://www.siemens-vai.com