Phone: +49 (0) 211 881-4449
Fax: +49 (0) 211 881-774449
E-mail: thilo.sagermann@sms-group.com
Thilo Sagermann

PRESS RELEASE

Düsseldorf, April 24, 2012

SMS Siemag wins contract for modernization of JSPL caster with largest slab cross section in India

SMS Siemag will modernize the slab caster at the Raigarh, Chhattisgarh, India, works of Jindal Steel & Power Limited.

The revamp is designed to expand JSPL's line of quality steel grades and slab dimensions. To this end, JSPL will add to its portfolio high-tech pipe and tube grades (API), high-carbon steels and microalloyed-peritectic grades. The current slab size of max. 2,600 mm width and max. 280 mm thickness will be increased to 3,000 mm width and 300 mm thickness. The plant is rated for an annual production of 1.3 million t of steel slabs. Commissioning is scheduled for the end of 2013.

As part of the modernization, SMS Siemag will supply a completely new strand guide system. The ladle turret will be retained. The existing hydraulic systems will be upgraded in line with the new requirements. The modernization scope will also include SMS Siemag's supply of the dummy bar system, new molds as well as a new run-out with new torch cutting equipment.

Also included in the supply scope will be the complete X-Pact® electrical and automation package, including the control systems and process models.

The equipment of the caster comprises several ISC modules (Intelligent Slab Casting) which are decisive to the quality of the product and production. Among these are remote-adjustable narrow sides of the mold for width changes and taper adjustments during casting (online) and position-controlled segment adjustment for performing Dynamic Soft Reduction. The manufacture of slabs of high internal quality is thus guaranteed by the above in combination with the width-dependent air-mist secondary cooling and the Dynamic Solidification Control process model.

The Integrated Production Quality System IPQSslab® safeguards the slab quality through the monitoring of all relevant measured data.

(32 lines with max. 65 letters)