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PRESS RELEASE

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Order for SMS Demag AG

Rourkela Steel Plant increases its production capacity X-Cast[®] slab caster from SMS Demag

Rourkela Steel Plant, a company of the SAIL group (Steel Authority of India Limited), has awarded SMS Demag, a company of the SMS group, Germany, a contract for the supply of an X-Cast[®] slab caster for the Rourkela location in the state of Orissa.

The single-strand caster, designed as a vertical bending plant, is intended for slabs in the gages 220, 250 and 300 mm and its range of widths, from 1,300 to 2,500 mm, means that it will be producing India's widest slabs.

SMS Demag's order scope comprises the basic and detail engineering, the supply of all mechanical components and the complete X-Pact[®] electrical and automation systems, including the control systems and process models.

The equipment of the caster includes several Intelligent Slab Casting (ISC) modules which determine quality and production. Among these are the hydraulically driven resonance oscillation system, remote-adjustable mold narrow faces for width change during casting and the position-controlled CYBERLINK segments for performing Dynamic Soft Reduction. The production of slabs of a high internal quality is thus guaranteed by the above in combination with the width-dependent air-mist secondary cooling and the Dynamic Solidification Calculation process model.

Rourkela Steel Plant will mainly be casting sophisticated micro-alloyed steels and heavy-plate grades on the caster. Through the expansion of Steelworks No. 2, RSP will increase its slab production by 1.5 million t each year and thus continue to strengthen its market position in the future.

Commissioning is scheduled for 2011.

At Rourkela Steel Plant, two single-strand slab casters from SMS Demag are already in operation.

X-Cast[®] is an SMS Demag trademark from the Continuous Casting Division. It is the brand name for plants and technologies that set standards for the economical production of high-quality slabs.

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