

PRESS RELEASE

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Order for SMS Demag AG

Jindal South West implements the second expansion phase

Jindal South West Steel Ltd. (JSW Steel), India, has placed an order with SMS Demag, a company of the SMS group, Germany, for the extension of the steelworks and for the supply of two X-Cast continuous casters.

The supply scope for the X-Melt steelworks with two 175-t BOF converters comprises the lamella suspension system developed by SMS Demag, converter tilt drives, blowing lance system, bottom stirring equipment, slag retention systems and materials management. Also contained in the scope is the primary dust collection system, including the gas switch-over station and the gas tank with a volume of 50,000 cubic meters. The recovered converter gas is able to replace up to 80 million cubic meters of natural gas each year. Both the energy costs and the output of CO₂ are thereby reduced considerably.

The supply also includes two single-strand slab casters with a total production capacity of 3.6 million t per year. At a maximum casting speed of 1.85 m/min, the casters produce slabs in gages of 220, 260 or 300 mm and in widths between 1,000 and 2,200 mm.

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-controlled 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 through the above in combination with the width-dependent air-mist secondary cooling and the technological Dynamic Solidification Calculation process model.

The supply scope further contains the X-Pact[®] electrical system and automation package, erection supervision, training of the operating personnel and commissioning.

In Toranagallu, JSW Steel already operates a steelworks and two continuous casters supplied by SMS Demag. A further works complex, with an annual production capacity of over 5 million t of slabs, is presently being built in two phases at the same location.

The steelworks, with a BOF converter and single-strand slab caster (Phase 1), was ordered in 2006 and will go into operation during the course of this year. The commissioning of the Phase 2 plant and equipment is scheduled for the middle of 2009.

The capacity increase will enable JSW Steel to deal with the growing demand for automotive and tube steel grades in India.

X-Melt and X-Cast are SMS Demag trademarks from the Steel-making Plants and Continuous Casting Technology Division. They are the brand names for plants and technologies that set standards for the economical production of high-quality steel products.

(47 lines with max. 55 letters)

SMS group is, under the roof of the holding SMS GmbH, a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It consists of the two Business Areas SMS Demag and SMS Meer, which jointly form SMS metallurgy. In 2007, some 8,000 employees worldwide generated a turnover of about EUR 3.0 bn.