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PRESS RELEASE

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SMS Siemag ARCESS® EAF with a production
of 2.5 million tons of steel per year

**Electric steelmaking plant with DRI charging system
successfully put into operation at Jindal Steel & Power Ltd.**

On August 7, 2013, the birthday of Shri. Om Prakash Jindal, Founder Chairman of the Jindal Group, SMS Siemag, Germany, (www.sms-siemag.com) successfully commissioned an electric steelmaking plant at Jindal Steel & Power Ltd. (JSPL). The plant in Angul in the north-eastern province of Orissa is designed for an annual production of around 2.5 million tons of steel. It processes hot-charged direct reduced iron (DRI) and hot metal.

SMS Siemag's scope of supply comprises a powerful 250-t ARCESS® electric arc furnace with a 200-MVA transformer, the additive supply system and a 250-ton ladle furnace. The plant comes with a gas cleaning system, ensuring compliance with high environmental standards.

The electric steelmaking plant has been completely equipped with X-Pact® electrical and automation systems including the technological process models (level 2).

Jindal Steel & Power already has two 100-tons electric arc furnaces from SMS Siemag, which have been successfully in operation since 2005.

Production of hot DRI

The DRI making process allows the removal of DRI product at high temperatures from the shaft furnace and feeding it at a temperature of about 600 °C continuously to the electric-arc-based melting process. HDRI (Hot Directly Reduced Iron) exploits the thermal energy from the reduction process and is directly charged into the arc furnace via a special charging system.

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The teams of JSPL and SMS Siemag in front of the ARCESS® EAF.



The new 250-ton ladle furnace.

SMS Siemag AG is a company of the SMS group which, under the roof of the SMS Holding GmbH, consists of a group of global players in machinery and plant construction in steel and nonferrous metals processing. Its workforce of more than 13,500 employees generates sales worldwide totaling EUR 3.3 billion.