

PRESS RELEASE

Düsseldorf, August 29, 2008

Order for SMS Meer

ArcelorMittal Hochfeld GmbH orders a high-capacity wire rod mill with FRS[®] technique

ArcelorMittal Hochfeld GmbH, with head office in Duisburg, Germany, has placed an order with SMS Meer, a company of the SMS group, Germany, for the supply of a complete high-capacity wire rod mill with FRS[®] technique for high-grade steels. The annual capacity shall be 690,000 t. Of this, the major portion of the products will be cold-heading steel grades. The mill will be designed for producing wire rod in high-grade steels and is characterized by its compactness and efficiency. It will go into production in August 2010.

The SMS Meer order scope comprises the following: A walking-beam furnace, the mechanical and electrical equipment of the mill train, all of the supply systems, the finishing facilities for the wire-rod coils, the entire rolling and cooling equipment, and the erection/installation. The walking-beam furnace for billets of dimension 155 mm square will reach an output of 120 t/h. This is followed by a four-stand roughing train comprising HL (Housingless) stands with downstream free run-out and an intermediate train consisting of 14 CL (CantiLever) stands, each in horizontal and vertical arrangement. The wire rod outlet comprises a cooling and equalizing section in loop arrangement, a six-stand wire rod block and a four-stand FRS[®] block (Flexible Reduction and Sizing) – both in UHD (Ultra-Heavy Duty) arrangement.

The wire-rod block and the FRS[®] block are each followed by a water cooling line. The core component of the mill is the FRS[®] block together with the proven cooling and equalizing section. The supply scope therefore also includes the 104-m-long LCC[®] (Loop Cooling Conveyor) for forced and retarded cooling, a total of three water cooling lines and the CCT[®] (Controlled Cooling Technology) system developed by SMS Meer.

These facilities allow wire rod to be produced over the entire dimensional range of 5.5 to 25.0 mm by means of temperature-controlled rolling. Ultra-fine microstructures can be achieved especially for cold-heading grades by thermomechanical rolling. The maximum rolling speed for 5.5 mm wire rod is 120 m/s.

(35 lines with max. 55 letters)