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## **PRESS RELEASE**

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### New order for SMS Demag AG

#### **Vyksa Steel orders a heavy-plate mill for tube steels**

Vyksa Steel, Russia, has placed an order with SMS Demag, a company of the SMS group, Germany, for the supply of a heavy-plate mill.

Vyksa Steel is part of the OMK group, Russia's largest manufacturer of longitudinal SAW pipes, and will itself be joining the ranks of the heavy-plate producers when the new rolling mill is commissioned. The mill will allow the production of plates up to the strength class X 120. In the future, these plates will be extremely important for energy transport. At the same time, Vyksa Steel will also be able to produce heavy plate for the mechanical engineering, shipbuilding and construction industries.

The annual capacity of the single-stand rolling mill is 1.2 million t of finished plates in widths between 900 and 4,800 mm and thicknesses from 7 to 150 mm. The maximum plate weight is 40 t.

Our supply scope comprises the whole of the mechanical equipment, with two slab furnaces, the mill stand, the plate cooling system, the hot plate leveler, the cooling beds, the shearing line and the plate finishing line with a 9/5 cold plate leveler. We shall also be supplying

the complete electrical system, the drive engineering and all of the automation systems including the production planning system (Level 3). The automation will be tested and optimized in advance by using the Plug & Work concept.

For the production of plates of high-strength tube steels, the mill possesses a mill stand with a rolling force of 120 MN and CVC plus<sup>®</sup> technology as well as a newly developed two-part spray cooling system. The front part of the cooling system includes an extremely efficient high-pressure station combined with special cooling headers. This allows it to achieve the very high cooling rates required for direct quenching (DQ) out of the rolling heat. Pinch rolls ensure good plate flatness even at high cooling rates. The spray cooling in the rear section operates at a lower pressure, and this section is therefore used for accelerated cooling (ACC). A pre-leveler is installed in the entry section of the plate cooling system.

The new mill is to be installed in Vyksa, an industrial town in the region of Nizhny Novgorod, about 250 km to the east of Moscow and will go into operation in mid-2010.

(38 lines with max. 55 letters)