Siemens to supply rail and section mill to Kazakhstan

- First rail production facility in Kazakhstan
- Rail heads hardened with Idrha+
- Value of order in upper double-digit million euro range

Siemens Metals Technologies has received an order to supply Aktobe Rail and Section Works LLP, Kazakhstan, with a rail and section mill with an annual capacity of 430,000 tons. The new rolling mill will be constructed in the town of Aktobe under the auspices of Kazakhstan Temir Zholy JSC, the national railway company, and will be the first rail manufacturing plant in Kazakhstan. In order to produce rails with a high contact fatigue and wearing resistance, the rolling mill will be equipped with the Injector Dual-phase Rail Hardening (Idrha+) system. The value of the order lies in the upper double-digit million euro range. Production is scheduled to start in the second half of 2014.

The combined rail and section mill in Aktobe will be able to produce around 200,000 tons of rails per annum in lengths of up to 120 meters, as well as 230,000 tons of angles, U and I-sections. The rails will meet the fast growing demand for railway equipment in Kazakhstan and other CIS states. Siemens will supply the complete rolling line, including a walking-beam furnace with a capacity of 80 tons per hour, a reversing blooming stand with a maximum working roll centerline of 1,050 millimeters, and a reversing universal mill train consisting of three Red Ring stands.

The rolling line will be equipped with the Idrha+ system to produce high-strength rails. This system was developed jointly by Siemens and Centro Sviluppo Materiali S.p.A. (CSM), Italy. The scope of supply also includes a 125 meter cooling bed,
equipment for a horizontal-vertical straightener, cutting saws, and machines for bundling and handling the final products. The plant will have inline ultrasonic and eddy-current measuring systems to assure quality. A test laboratory and a workshop for roll maintenance will also be built.

In addition to the mechanical equipment for the rolling line, Siemens will also supply the basic and process automation, all the main and auxiliary drives, the medium-voltage supply and distribution systems, as well as an uninterruptible power supply. The fluid systems for the rolling mill and a water treatment plant will also be part of the scope of supply. Siemens will handle the engineering of its own equipment as well as that provided by the customer, and will also be responsible for supervising installation and commissioning.

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This press release and a **press picture** is available at www.siemens.com/press/pi/IMT201304382e
Reversing blooming stand from Siemens. The new mill for the Aktobe Rail and Section Works LLP, Kazakhstan, includes a blooming stand and a universal rolling mill. The Idrha+ rail hardening system ensures that the rails have a high compressive stress tolerance and resistance to wear.

Further information about solutions for steel works, rolling mills and processing lines can be found at www.siemens.com/metals
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