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## Primetals Technologies to supply bar mill to Amreli Steels in Pakistan

- **Rolling mill produces reinforcing and round bars to international standards**
- **Annual production capacity of 400,000 metric tons**
- **Amreli Steels responds to increasing construction activity in Pakistan**

Primetals Technologies has received an order to supply a bar mill to Amreli Steels Ltd., a rebar steel producer based in Karachi, Pakistan. The rolling mill is designed to produce around 400,000 metric tons of reinforcing steel and round bars every year. The new bar mill will more than triple the production capacities of Amreli Steels Ltd., which will put it in a good position to meet the demands of increasing construction activity in Pakistan. The finished products will meet national and international standards. The bar mill is scheduled for commissioning in early 2017.

Amreli Steels is the leading producer of rebars in Pakistan, and currently has an annual production capacity of 180,000 metric tons of rebar. The demand for steel products is at a record high in Pakistan, with the iron and steel sector growing by 36 percent last year. In addition, a large number of infrastructure, residential and commercial construction projects are currently at the planning stage. Amreli Steels is boosting its production capacity to allow for these developments.

The new bar mill from Primetals Technologies has a capacity of 400,000 metric tons per year. It can roll up to 75 tons of steel bar per hour at a top rolling speed of 13 meters per second. The mill processes billets with a square cross-section of 150 x 150 millimeters, a length of 12 meters, and a weight of 2,080 kilograms. The finished products are rebars with diameters ranging from 8 to 40 millimeters. The productivity of the plant is maximized by rolling bars with diameters of between 8 and 10 millimeters in four-slit mode, and diameters between 8 and 14 millimeters in two-slit mode. As well as rebars, the mill can also produce round bars with diameters between 16 and 60 millimeters.

Primetals Technologies is designing the plant and will supply the processing equipment from billet discharging system at the reheating furnace. The rolling line consists of a roughing mill with a VHVHVH arrangement, an HVHVHV intermediate mill, and a finishing mill with an HVHHH arrangement. Each of these mills is equipped with six fifth-generation Red Ring stands. The scope of supply also includes hot cropping and emergency shears, a heat-treatment Pomini Quenching System (PQS) installed downstream of the last stand of the finishing mill, a pinch roll and hot dividing shear in front of the cooling bed. The latter is 72 meters long, eight meters wide, and is equipped with a brake slide. This is followed by a cold dividing shear with a cutting force of 500 metric tons, and machines to count, bundle, weigh and label the bars. Primetals Technologies is also supplying the guides, lubrication and hydraulic systems, basic automation, motors, drives and an uninterruptible power supply. Primetals Technologies will also assist the customer with construction and commissioning work.



PQS heat-treatment system in multi-slit operation in a bar mill from Primetals Technologies

This press release and a press photo are available at

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**Primetals Technologies, Limited** headquartered in London, United Kingdom is a worldwide leading engineering, plant-building and lifecycle services partner for the metals industry. The company offers a complete technology, product and service portfolio that includes integrated electrics, automation and environmental solutions. This covers every step of the iron and steel production chain, extending from the raw materials to the finished product – in addition to the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries (MHI) and Siemens. Mitsubishi-Hitachi Metals Machinery (MHMM) - an MHI consolidated group company with equity participation by Hitachi, Ltd. and the IHI Corporation - holds a 51% stake and Siemens a 49% stake in the joint venture. The company employs around 9,000 employees worldwide. Further information is available on the Internet at [www.primetals.com](http://www.primetals.com).