
London, January 24, 2022

JSW Steel orders converter melt shop and continuous casters for new steel melt shop from Primetals Technologies

- **New melt shop will add 5 million metric tons per year at Vijayanagar, Toranagallu site**
- **Will produce high-quality carbon steels**
- **Order includes BOF(LD)-converters, ladle furnaces and slab casters**
- **Gas cleaning and dedusting systems ensure high environmental standards**

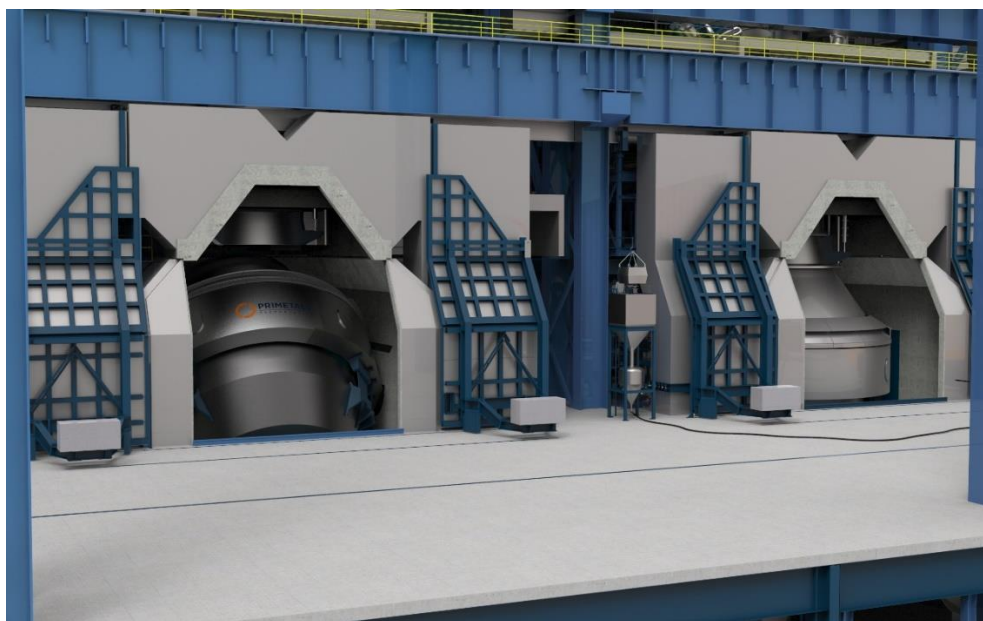
Indian steelmaker JSW Vijayanagar Metallics Limited, a wholly owned subsidiary of JSW Steel Ltd (JSW Steel), has placed an order with Primetals Technologies to supply equipment for its new Steel Melt Shop No. 4 in Vijayanagar, Toranagallu. The order includes two BOF(LD)-converters, two ladle furnaces, gas cleaning and dedusting systems, two slab casters as well as level 1 and level 2 automation systems. The new melt shop has a design capacity of 5 million metric tons per year and will mainly produce high-quality carbon steel. It is part of a major project of JSW Steel to expand its JSW Steel Vijayanagar Works facility's production capacity. Primetals Technologies will be responsible for engineering, supply of equipment, and advisory services for erection and commissioning.

The two 350-ton-BOF(LD)-converters feature the maintenance free Vaicon Lamella suspension system, water cone and barrel air cooling and will be equipped with slag stoppers, including the thermographic automatic slag identification system SlagMon, quick exchange type oxygen blowing lances and the Lomas converter off-gas analyzing system. A dry type gas cleaning system will reduce dust content to 10 mg/Nm³ at the stack. A steam type heat recovery system will improve energy efficiency, the secondary dedusting system will provide low work zone and roof top emissions. The two 350-ton-ladle furnaces will be equipped with copper-plated electrode arms and the Melt Expert electrode control systems.

The two two-strand continuous slab casters are designed to produce slabs in a width range of 900 to 1,650 millimeters at thicknesses of 220 and 260 millimeters. The metallurgical length amounts to 34.5 meters. A wide variety of steel grades can be processed, including the complete range of ultra-low to high carbon steels, deep drawing, structural, peritectic and HSLA grades, micro and low alloy steels, strip grades and high silicon electrical steels.

The casters are fully equipped with advanced technology packages, including LevCon mold level control, DynaFlex mold oscillation, Mold Expert breakout prevention and DynaPhase phase transformation modelling for maximum possible slab quality. Latest design DynaGap Soft Reduction 3D in all segments, Dynacs 3D cooling model, and Quality Expert for on-line slab quality assessment are also provided. The melt shop and the casters are also equipped with features to make them ready for Industry 4.0.

LOMAS is a registered trademark of Primetals Technologies in certain countries



3D-image of converters by Primetals Technologies for JSW, India.

This press release and a press photo are available at <http://www.primetals.com/press>

Contact for journalists:

press@primetals.com

Follow us on Twitter: twitter.com/primetals

Primetals Technologies, Limited
A joint venture of Mitsubishi Heavy Industries and partners
Communications
Head: Gerlinde Djumljija

Chiswick Park, Building 11, 566 Chiswick High Road
W4 5YS London
United Kingdom

JSW Steel is the flagship business of the diversified US\$ 13 billion JSW Group. As one of India's leading business houses, JSW Group also has other business interests in sectors such as energy, infrastructure, cement, paints, sports and venture capital. JSW Steel, certified as Great Places to Work in 2021, has emerged as an organization with strong cultural foundation and great potential to be among the Top 100 companies. Over the last three decades, it has grown from a single manufacturing unit to become India's leading integrated steel company with capacity of 28 MTPA in India and USA (including capacities under joint control). Its roadmap for the next phase of growth includes a target of achieving 37.5 million tons per year steel capacity by financial year 2025. The Company's manufacturing unit in Vijayanagar, Karnataka is the largest single location steel-producing facility in India with a capacity of 12 million tons per year. JSW Steel has always been at the forefront of research and innovation. It has a strategic collaboration with global leader JFE Steel of Japan, enabling JSW to access new and state-of-the-art technologies to produce & offer high-value special steel products to its customers. These products are extensively used across industries and applications including construction, infrastructure, automobile, electrical applications, appliances etc. JSW Steel is widely recognized for its excellence in business and sustainability practises. Some of these recognitions include World Steel Association's Steel Sustainability Champion (consecutively 2019 to 2021), Leadership Rating (A-) in CDP (2020), Deming Prize for TQM for its facilities at Vijayanagar (2018) and Salem (2019). It is part of the Dow Jones Sustainability Index (DJSI) for Emerging Markets (2021) and S&P Global Sustainability Yearbook (consecutively for 2020 and 2021). JSW Steel is the only Indian company to be ranked among the top 15 global steel producers by World Steel Dynamics for 13 consecutive years since 2008. As a responsible corporate citizen, JSW Steel's carbon reduction goals are aligned to India's Climate Change commitments under the Paris Accord.

Primetals Technologies, Limited, headquartered in London, United Kingdom, is a pioneer and world leader in the fields of engineering, plant building, and the provision of lifecycle services for the metals industry. The company offers a complete technology, product, and services portfolio that includes integrated electrics and automation, digitalization, and environmental solutions. This covers every step of the iron and steel production chain—from the raw materials to the finished product—and includes the latest rolling solutions for the nonferrous metals sector. Primetals Technologies is a joint venture of Mitsubishi Heavy Industries and partners, with around 7,000 employees worldwide. To learn more about Primetals Technologies, visit the company website www.primetals.com.