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RAIGARH

The Raigarh plant, with up to 3 million tonnes per annum (MTPA) steel production capacity, is the world's largest coal-based sponge iron manufacturing facility with state-of-the-art machinery. It has an installed 354 MW captive power plant (CPP) at Raigarh and a 540 MW CPP at Dongamauha, district Raigarh, Chhattisgarh.

The company is planning to increase the production of steel from 3 MTPA to 10 MTPA in phases. The expansion plans include a 7 MTPA integrated steel plant, a 2 MTPA cement plant and a 1600 MW CPP with a total investment of over US \$ 7 billion.

Raigarh

Tamnar

Raipur

Jindal Industrial Park

Facilities at the plant include:

- o Direct reduced iron (DRI) plant - 4 units of 0.72 MTPA capacity producing 500 tonnes/day and 6 units of 0.6 MTPA capacity producing 300 tonnes/day rotary kilns
- o Coke oven plant of 0.8 MTPA capacity
- o Sinter plant of 2.5 MTPA capacity
- o Blast furnace of 1.25 MTPA and 0.42 MTPA capacity
- o Steel melting shop of 2.0 MTPA and 1.25 MTPA capacity
- o 2 vacuum degassing units
- o RH degassing unit
- o 1 single strand slab caster

- o 1 unit of 6-strand billet-cum-round caster and 1 unit of 6 strand billet caster
- o 2 units of 4-strand combi-caster
- o Rail and universal beam mill (RUBM) of 0.75 MTPA capacity
- o Plate-cum-coil mill of 1.0 MTPA capacity
- o Submerged arc furnace (SAF) of 0.03 MTPA capacity
- o Oxygen plant producing 37683 nm3/hr
- o Lime and dolomite calcinations plant of 0.4165 MTPA capacity
- o 358 MW CPP
- o Medium and light structure mill of 0.7 MTPA capacity



Coal-based sponge iron plant

The company is recognised as a leader in manufacturing coal-based sponge iron in India. First commissioned in 1991, JSPL leads the Indian market in this sector and has the world's largest coal-based sponge iron plant, with a capacity of producing 1.32 MTPA DRI. It is the only sponge iron manufacturer in the country with captive raw material resources and power generation.



Modern rail and universal beam mill

Commissioned in 2003, the mill has a wide range of products ranging from long rails up to 121 meter to medium and large size parallel flange beams and columns. The product mix includes: track rails, crane rails, parallel flange beams and columns and channels.

To enhance its productivity and consistency in quality, the new tandem mill, the first of its kind in India, was purchased from SMS Meer, Germany, and installed and commissioned in November 2006, in which its patent X-H technology is adopted for rolling of beams and columns. Other sections like rails and channels are also rolled via the universal route.



India's first state-of-the-art plate mill

Introducing newer technologies, the company has installed a plate mill, which manufactures the widest plates of 3.5 meter in coil form and coils of 3 meter width. It commenced commercial production from April 2007 and has a production capacity of 1.0 MTPA. The mill has been consistently producing plates and coils in various grades like EN, DNV, BS, ASTM, JIS, LRS and ABS certified by CII.



Medium and light structural mill

Furthering our endeavour to provide a complete product basket and an enhanced structural section range to its customer, the company is proud to announce the commissioning of its state-of-the-art 0.6 MTPA capacity medium and light structural mill (MLSM). Equipped with advanced rolling mill technology and equipment from Danieli, Italy it has facility of rolling parallel flange beams (100-300 mm), channels (75-300 mm), angles (100-200 mm), flats (50-300 mm) and rails (30 Lb/y and 24 Kg/m). The mill is ISO 9001 and 14001 certified and also having BIS certifications for most of the sections.

Jindal Cement

The Jindal Cement plant at Raigarh runs on slag and fly ash. It has been set up to utilise wastes generated during steel manufacture. The plant was established to manage solid waste generated from steel and power plants and to process them into cement (known as Portland Slag Cement). The company started with a grinding capacity of 0.72 MTPA in 2010. It plans to add another 1.3 MTPA clinker grinding unit to increase the grinding capacity by 2 MTPA. The cement manufactured is sold under the brand Jindal Cement. The company manufactures a special product, Jindal Global Road Stabiliser (JGRS), and is the only manufacturer in India of the same. JGRS was developed to stabilise multiple soil types in an efficient and a cost effective manner.

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