



## South African steel industry may become extinct : ArcelorMittal



The South African steel industry may become extinct if it is not protected by the government against a flood of Chinese imports,

according to leading NRI billionaire Lakshmi Mittal's steel unit in the country.

Wim de Klerk, CEO of ArcelorMittal South Africa (AMSA), said if the country's biggest steel maker does not get a 10 percent basic tariff protection from a flood of mainly Chinese cheaper steel imports, the South African steel industry is likely to become extinct.

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This would follow on a huge loss of South African Rand 8.6 billion in the previous year for the company which produces 75 percent of the country's steel.

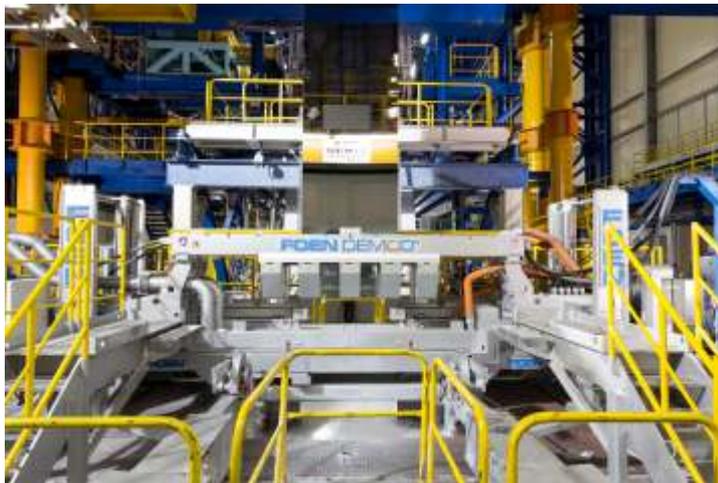
Wim's comments came amid reports that the state-owned Industrial Development Corporation had shelved plans to build a USD 5 billion steel mill in the country with Chinese partners.

AMSA was also concerned that the South African government had not yet committed to using domestic steel in infrastructure development.

It remained buoyant about the future as it awaited government interventions, confident that this would happen because the company's 10,000 employees support more than 100,000 other jobs.

The company is bidding to reopen the structural steel mill that was shut down by South Africa's second largest producer Evraz Highveld Steel and Vanadium which went into business rescue amid the global steel crisis of the last few years.

## Nucor - JFE Steel to commission Galvanizing Line



SMS group was awarded the order to supply a continuous hot-dip galvanizing line and a recoiling line for a new plant in Mexico by Nucor-JFE Steel Mexico. The hot-dip galvanizing line will produce 400,000 tonnes of steel strips per year, most notably deep-drawing grades and high-strength steels for the automotive industry, including modern dual-phase steels. Furthermore, the line is designed to process not only cold strip but also hot strip material. Startup is anticipated for the second half of 2019.

Nucor is a 50-50 joint venture of Nucor Corporation, USA, and JFE Steel Corporation, Japan, which will build and

operate the plant in central Mexico to supply that region's automotive market. Besides the design and production of the mechanical equipment, the complete electrical and automation package also is within the supply scope of SMS group.

The hot-dip galvanizing line is designed for strips with a thickness of 0.4 to 2.6 millimeters and widths ranging from 800 to 1,880 millimeters. In the process section the strip will be coated with zinc at a process speed of up to 180 meters per minute, whereas in the entry and exit sections speeds of up to 280 meters per minute can be reached. The strip steel grades manufactured are mild steel, deep-drawing grades and high tensile strength steel. The surfaces of the strips will either be galvanized or galvanized.

One highlight is the advanced furnace technology from Drever International which allows an economical production of high-strength material. The highly efficient combustion system features recuperative

burners. Furthermore, the furnace consists of a powerful rapid gas jet cooling system, which offers upgrade possibilities. All furnace parameters and coil sequencing are controlled automatically by a mathematical/physical furnace model.

The cleaning section consists of efficient vertical electrolytic cleaning and rinsing cells and horizontal brushing machines. The skin pass mill ensures an optimized surface roughness and slight linear expansion. A vertical roll coater system with drying and cooling devices from Drever will be used for the chemical treatment of the coated surfaces.

In total, the new hot-dip galvanizing line consists of the following essential components: entry section with two uncoilers, welding machine, entry strip accumulator, cleaning section, radiant tube furnace, galvanizing section with zinc pot, intermediate accumulator, skin pass mill, vertical roll coater system, exit accumulator, side trimmer, inspection section, oiling machine, flying shear and two coilers.

The supply scope also includes a recoiling and inspection line. This line features pay-off reel, welding machine, side trimmer, inspection station, oiling machine, cut-to-length shear and upcoiler. It is also designed for strips with a thickness of 0.4 to 2.6 millimeters and widths ranging from 800 to 1,880 millimeters. The maximum line speed is 300 meters per minute.