The oxygen steelmaking plant at Vizag Steel in Visakhapatnam, India, is growing as designed with an annual production of 6.4 million tons of liquid steel.

The first two of the three planned BOF converters are in operation. The third converter is scheduled for commissioning in 2015.

All three converters are equipped with comprehensive environmental technology, such as with an ESP-wet type filter and a converter gas recovery plant.

Moreover, SMS Siemag delivered two ladle furnaces and a 150-ton RH-TOP vacuum degassing plant for the production of quality steel grades. The complete oxygen steelmaking plant is equipped with the Level 2 process models and the Level 3 production planning system from the X-Pact® electrical and automation package. With Level 3, the plant owner has all tools necessary for the planning and monitoring of the production processes at his disposal.

This secures a maximum productivity and a homogeneous cross-plant product tracking and quality control.
1 BOF Converter
2 Baumco Scrubber (Primary gas cleaning)
3 Material handling system
4 Main control building
5 Ferro alloy storage
6 On-line rinsing station
7 Hot metal reloading station
8 Scrap transfer car
9 Scrap pit
10 Slag pit
11 Slag pot coating unit
12 Fin heat exchanger
13 Gas export station with wet electrostatic filter
14 ID fan and gas change over station
15 Ladle preparation facilities
16 Ladle furnace No. 1
17 RH-Vacuum degassing plant
18 Ladle furnace No. 2
19 Secondary gas cleaning
20 Teeming ladle transfer car
21 Slag pot transfer car
22 Pump house
23 Lance maintenance area