

PRESS RELEASE

Düsseldorf, March 12, 2020

SMS group completes general overhaul of the converter gas recovery system at JSW Steel

Recovering energies from the converter process and efficiently converting them into electricity in the in-house power station



General overhaul of JSW Steel's converter gas recovery system by SMS group.

At its works in Vijayanagar, India, Jindal South West Steel has resumed operation of the converter gas recovery system after it had been completely overhauled by SMS group.

Over the past 15 years, the gas recovery system supplied by SMS group has recovered more than 360 million Nm³ per year of high-energy gas from the oxygen blowing process of the 120-ton converter and efficiently converted this volume into electricity in the in-house power station. Without such a recovery process, the gas would have been burnt at the flare stack and the energy contained in the gas would have been lost.

The gas recovery system provides significant energy savings and reduces the emission of the carbon dioxide greenhouse gas produced in the steelmaking plant by approx. 155,000 tons per annum.

The overhaul became necessary since the gasholder seal had reached the end of its service life after 15 years of safe operation and, therefore, had to be replaced.

The scope of supply of SMS group comprised the delivery of all crucial components and the supervision of installation activities. The plant is now ready again for efficient gas recovery, thus saving millions of tons of carbon dioxide from being emitted into the atmosphere.

SMS group is a group of companies internationally active in plant construction and mechanical engineering for the steel and nonferrous metals industry. It has some 14,000 employees who generate worldwide sales of more than EUR 2.8 billion. The sole owner of the holding company SMS GmbH is the Familie Weiss Foundation.