

Press Release

Cleaning of Coke Oven Gas in India

DMT commissions By-Product Plant

Essen, Germany, 26.03.2014. The Essen based consulting and engineering company DMT GmbH & Co. KG (DMT) together with the EPC company McNally Bharat Engineering Co. Ltd. (MBE) from Kolkata, India has designed, engineered, supplied, built and now put into operation a complete state-of-the-art by-product plant for the cleaning of coke oven gas. The plant, which is situated in Burnpur in Eastern India, belongs to IISCO Steel Plant, a company of the Steel Authority of India Limited (SAIL).

The system cleans the coke oven gas collected from the coke oven battery, making it ready for further use in steelworks and for underfiring the battery. In doing so, the plant produces high-quality, saleable by-products, such as tar, ammonium sulphate and sulphur.

"Our plant is the first **Claus Desulphurising System** that has been put into operation at a coking plant in India", explains DMT Project Manager Björn Otten. "Up to 46,000 cubic metres of coke oven gas can be cleaned per hour in the plant. This means that at full load the gas cleaning process prevents the emission of approximately 7 tonnes of sulphur dioxide and 21 tonnes of nitrogen oxide per day into the air when the stripped coke oven gas is reused as fuel."

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The project is part of a steelworks extension program at IISCO, in which a completely new steel mill is being built alongside the old one to increase capacity.

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About DMT

DMT GmbH & Co. KG, headquartered in Essen, Germany, is an independent engineering and consulting company, active at international scale. The DMT Group has about 1,000 employees, most of them engineers, scientists and technicians, who provide services in the form of individualised consulting and assistance tailored specifically to the clients' needs. They also serve as impartial assessors. The firm's activities focus on the fields of natural resources exploration, mining and cokemaking technology, construction and infrastructure projects, safety in buildings, product testing and measurement instrumentation in industrial settings. DMT is a member of the TÜV NORD GROUP.

<http://www.dmt.de/en/home.html>

About Cokemaking Technology

In the Cokemaking Technology Division DMT has brought together all the services associated with coke production. These incorporate consulting, examinations, evaluations and assessments and continue through to planning work and construction of subsystems or entire plants. Building new cokemaking plants and modernising existing equipment is carried out in some cases on behalf of local general contractors and in some cases acting as an autonomous general contractor. Here DMT specialists plan and engineer the systems used for gas scrubbing and water treatment, develop emission-reduction components and evaluate coal blends and coke quality.

<http://www.dmt.de/en/services/cokemaking-technology.html>