

Neelachal Ispat to step up hot metal production

Public sector steel maker Neelachal Ispat Nigam Ltd (NINL) has decided to import 60,000 tonne of coking coal as it looks to step up its hot metal production rate towards the first quarter (April-June) of 2017-18.

MMTC has already floated global tenders to import coking coal to cater to NINL's requirement. The consignment is to be shipped to Paradip port between January and March 2017.

According to a report, for NINL steel plant, coking coal imports will be done by the state run trading company Mines & Minerals Trading Corporation which is the largest shareholder in NINL with an equity of 49.9 per cent.

According to an agreement, MMTC procures raw materials for NINL and sells its finished products. The trading company charges three percent commission for the transactions.

In NINL, execution of the blast furnace capital repair is planned in the first quarter of 2017-18. After the capital repair, hot metal production will be more than 3000 tonne per day in its rated capacity. NINL aims to reach its rated production capacity of 3,000 tonne per day from the beginning of next financial year. The blast furnace of its



integrated steel unit at Odisha's Kalinganagar logged its highest ever daily output of 2,307 tonne.

The steel PSU has set up a 1.1 million tonne integrated iron and steel plant at Kalinganagar, Odisha. It is the country's highest exporter of pig iron since 2004. Presently, the products are steel billets, pig iron and LAM (Low ash metallurgical) coke along with nut coke, coke breeze, crude tar, ammonium sulphate and granulated slag.

Uddeholm AB Commissions Filter Technology from SMS Group



Sweden-based Uddeholm AB Hagfors, manufacturer of tool steel for industrial tools, has successfully commissioned phase one of the modernisation of the EAF fume treatment plant with latest filter technology from SMS group. As phase one of the project, SMS group upgraded the roof canopy installing a high-efficiency EAF fume evacuation hood – the patented SMS Frustum, replaced the existing secondary duct system, installed a highly efficient axial cyclone and a new pulse jet filter.

The newly developed high-performance equipment from SMS group ensures a higher suction capacity of 800,000 cubic meters per hours with a ten filter compartment. The two fans with 710 kW variable speed motors reduce energy consumption thanks to the "Total Pressure 11" concept (280 mmWG). Additionally, the noise level recorded at a selected point on the property line was below 45 dBA at night and the dust content at the stack discharge was more than 50 percent lower than required. The new filter technology from SMS group thus helps

Uddeholm to achieve better evacuation of the exhaust gases during the melting process in the electric arc furnace, while minimising energy consumption.

Due to the improved suction efficiency of the existing canopy hood thanks to the "frustumized" design, the old filter, which had been planned to remain in operation, was switched off. This provided additional energy benefits.

With the substitution of the primary fume line, the second phase, planned for August 2017, will complete the EAF fume treatment plant modernisation.

The first project phase was executed on a turnkey basis during a period of twelve months. The extremely high safety standards resulted in zero injuries and accidents.

The approach of lean engineering adopted in this modernisation project provided for a tight execution and construction schedule. However, the experienced team of SMS group in Italy executed the project without delay. Such an approach is a decisive factor in the successful implementation of such projects as it provides balanced investment costs, a secure execution time and high-quality Service.