



JSPL's Raigarh Steel Plant Creates World Record

Jindal Steel and Power Ltd.'s Raigarh Steel Plant created a new world record with 42 heats in its Steel Melting Shop's New Oxygen Furnace (NOF). This unprecedented steel-making feat of 42 heats in a single day was achieved on 14th November. Earlier Shagun Steel, China held the record with 40 heats in a single day.

In a tryst to augment cost effectiveness in steel making, JSPL developed a new steel making process - New Oxygen Furnace (NOF), wherein steel is made by charging upto 90% of Liquid Hot Metal and using only chemical energy; without the aid of Electrical Energy.

This innovative process ensures higher yield and productivity, low capital investment as compared to Basic Oxygen Furnace (BOF). It also leads to lower slag generation and zero electrode consumption.

As part of the transition process from Electric Arc Furnace to Zero Electric Power Furnace, JSPL installed a new high end 'Oxygen Lances' in the Furnace along with a high precision Tilting Mechanism and Launder for continuous pouring of Liquid Metal into the Furnace. Charging of Liquid Hot Metal from Blast Furnace into New Oxygen Furnace (NOF), was initiated for controlled and

efficient steel making process. NOF has the flexibility of converting various charge mix of raw material i.e. from 100% DRI to 90% Hot Metal (Zero Electric Power) into steel efficiently. The Furnace is highly adaptable and can be converted from Zero Power NOF to Normal Electric Arc Furnace (EAF) and vice versa in a short span of less than 24 hours.

The hard work and dedication of the Operations Management Team at (SMS) Raigarh collectively resulted in this accomplishment, thereby setting a new global benchmark in the steel making process. This unique process innovation in steel making – NOF envisages substantial cost savings and the company is currently exploring the possibility of initiating similar modifications in furnaces across plants in Raigarh, Angul and Oman. Naveen Jindal, Chairman JSPL congratulated the team for their innovation & hard work. Ravi Uppal, MD & Group CEO and Pankaj Gautam, Executive Director- Projects & Operations, JSPL Raigarh has given credit of the achievement to the entire team of steel melting shop (SMS).

Tomar Addresses an International Session on Sustainable Mining

Shri Tomar attended an International Session on sustainable mining as Chief Guest, during two-day resurgent Rajasthan Summit at Jaipur on 19th Nov, 2015. Ms. Vasundhara Raje, Hon'ble Chief Minister Rajasthan, Mr. Rajkumar Rinwa, Hon'ble Minister, Rajasthan Government were among the dignitaries present on the occasion.

In his address Shri Tomar stated that India should be a pioneer in sustainable mining because nature has been accorded a very high status in Indian culture and ethos. Nature allows us to harness its resources and not exploit them. India should be a role model of sustainable mining for other nations.

Shri Tomar underscored the significance of responsible mining, in which due importance is given to the safety and



development of people and areas affected by mining, society and the environment. He highlighted the role of District Mineral Foundation in this context. Shri Tomar informed about the steps that have been taken to prevent illegal mining. He spelt out in detail how exploration can be used for harnessing natural resources and what steps have been taken by the Central Government for this purpose.

Shri Tomar gave details of initiatives

taken by the Central Government under the leadership of Shri Narendra Modi for revival and development of the mining sector. He congratulated Rajasthan Government for becoming one of the pioneer states to begin the mine auction process. Shri Tomar explained how a well planned strategy has been adopted for the development of mine affected people and areas through Pradhan Mantri Khanij Kshetra Kalyan Yojana (PMKKKY).