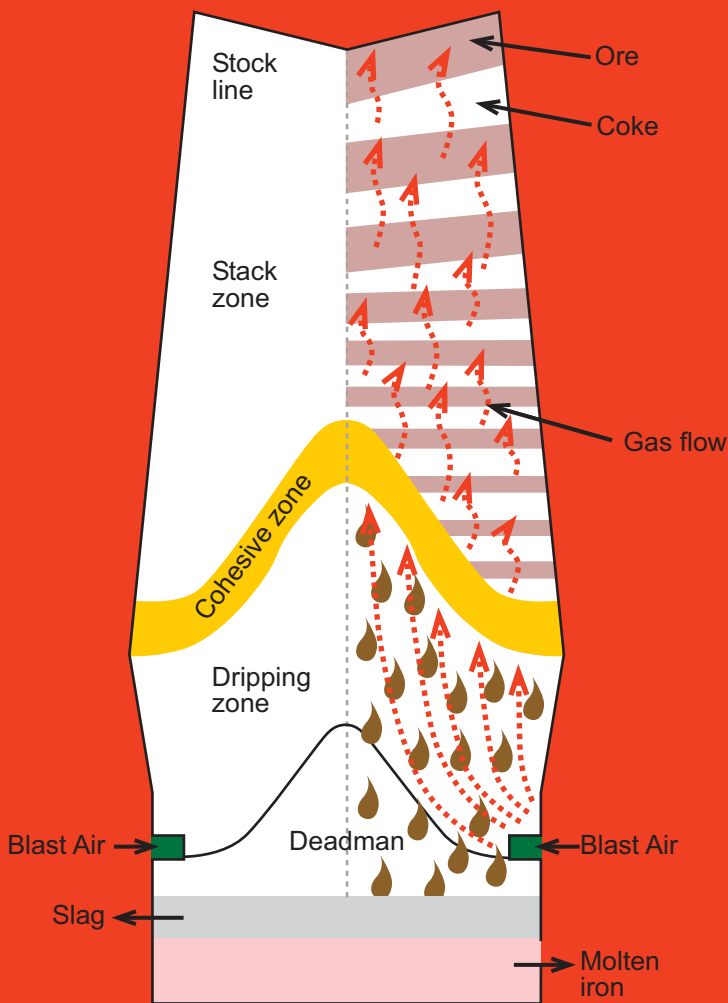


Final Announcement

INTERNATIONAL SEMINAR on IRONMAKING IN BLAST FURNACES



Organised by



STEEL TECH

KOLKATA

Date : Monday, 6th September, 2010

Venue : Taj Bengal Hotel, Kolkata, India

Tel (91) 033-6612 3939, 3294/5

Principal Sponsors



Background

The crude steel production in India is expected to increase to around 110-120 Mt by 2012 and to 180-200 Mt by 2020, as per present forecasts. Steel is produced in India using the BF-BOF route or the BF-DRI-EAF route, both of which depend on blast furnaces for producing hot metal. While the integrated steel plants are in recent years installing large sized furnaces (even up to 4000-5500 cubic metres capacity) with all modern automation and control facilities for ensuring high productivity, consistent operations, energy savings and lower cost of production, the other producers that use DRI and hot metal in their EAFs, have generally installed blast furnaces of up to 2000 cubic metres in size.

All blast furnaces in India use a variety of burden materials comprising sinter, sized ore and recently, pellets. The strength of the Indian iron and steel industry is the availability of high-grade iron ore. However, the quality and quantity of indigenous coking coal impose major limitations. Consequently, there is no other alternative but to import high quality coking coal for catering to the requirements of blast furnaces. Extensive pulverised coal injection has also been adopted in most blast furnaces in order to decrease the dependence on coke.

About the Seminar

This Seminar on "Ironmaking in Blast Furnaces" is being held at a time when the Indian steel industry is undergoing a sea-change. Global technology suppliers, consultants, turnkey project contractors, automation agencies, etc. are interacting closely with the Indian steel producers in order to ensure that state-of-the-art technological developments are incorporated in all ventures. The papers on blast furnace hot metal production that will be presented in the One-day Seminar will focus on : Raw Materials for Ironmaking, Design and Other Aspects of Blast Furnaces, Technological Improvements in Blast Furnaces and Blast Furnace Operation.

The Seminar should be of immense interest to entrepreneurs, industry-specialists, researchers, academicians and all others involved in shaping the future of the Indian iron and steel industry. An Exhibition at the Seminar Venue will provide the technology suppliers an opportunity to display their expertise in individual Stalls, and have one-to-one interaction with the delegates.

There has been an overwhelming response from authors all over the world to the call for papers (details given later). Steel Tech is also privileged that Dr. Jamshed J. Irani, Director, Tata Sons, Mumbai, has agreed to be the Guest of Honour in the Inaugural Session of the Seminar.

About the Organiser

Steel Tech is a reputed technical journal that is published four times in a year from Kolkata. Steel Tech features technical articles dealing with steel technology for today and tomorrow. It has received acclaim from many, including experts from all over the world. The Editorial Board of the journal consists of luminaries in the Indian steel industry, including top executives of major steel plants, well-known scientists in research organisations and professors in academic institutes.

Steel Tech has been associated with Conferences on several relevant subjects in the last four years. The Seminar organised by Steel Tech on 4th September, 2009 on "Alternative Routes for Ironmaking in India" was an immensely successful event that was highly appreciated by the delegates as well as the exhibitors for its technical content and business-like approach. The 2010 Seminar will be conducted along the same lines and it is expected that the response would be equally encouraging.

Participation Details

You should not miss this opportunity to participate in this Event. Please register, as early as possible, to help the Organisers plan the Event to your satisfaction.

Delegates Fees	:	Rs. 3,000 per head for Indian delegates Student delegates (minimum Group size 8) - special discounted rate Rs. 1000 per student. USD 300/Euro 250 per head for Overseas delegates
Exhibition Stall	:	Rs. 25,000 (USD 800/Euro 650) per stall of 2m x 2m (proportionately higher for longer stalls)

Advertisement in Seminar Proceedings

All the papers that will be presented will be compiled (without any editing) in the form of the Seminar Proceedings. The Tariffs for Advertisement in the Proceedings are :

Full page Colour	:	Rs. 20,000 (USD 700 / Euro 565)
Full page B/W	:	Rs. 12,000 (USD 450 / Euro 360)

Sponsorship

Several sponsors have already come forward. For those still interested, the rates are :

Additional Principal Sponsors	:	Rs. 200,000 (USD 8000 / Euro 6500)
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Detailed Seminar Programme

8:00-9:00	Registration	Crystal East Hall, Taj Bengal
		Inaugural Session
9:00-9:10	Welcome Address	- <i>Dr. Amit Chatterjee</i> , Chief Editor, Steel Tech and Adviser to the MD, Tata Steel, Jamshedpur, India
9:10-9:25	Address by Guest of Honour	- <i>Dr. Jamshed J. Irani</i> , Director, Tata Sons, Mumbai, India
9:25-9:50	Blast Furnace Design for Incredible India	- <i>Mr. Peter Zonneveld</i> , Managing Director, Danieli Corus BV, The Netherlands
9:50-10:15	Tea/Coffee at Pre-function Area, Crystal East Hall	
	Session-1 : Raw Materials for Ironmaking	
	Chairman: Mr. Arun Jagatramka, CMD, Gujarat NRE Coke, India	
10:15-10:30	Trends in Global Iron Ore and the Implications for the Indian Steel Industry	- <i>Mr. Pasquale Perazzelli</i> , Rio Tinto, Australia
10:30-10:45	Coke and Coal for Blast Furnaces	- <i>Dr. Amit Chatterjee</i> , Tata Steel, India
10:45-11:00	Relevance of Pelletising and Sintering under Indian Conditions	- <i>Dr. Ajoy Krishna Roy</i> and <i>Dr. Madhu Ranjan</i> , JSW Steel, India
11:00-11:20	Q&A on Raw Materials for Ironmaking	
	Session-2: Design and Other Aspects of Blast Furnaces	
	Chairman: Mr. Steve Pallant, Head, Blast Furnace Special Products Group, Siemens VAI Metal Technologies, UK	
11:25-11:40	Design and Erection of Large Blast Furnaces	- <i>Mr. Martin Smith</i> , <i>Mr. Mike Eden</i> and <i>Mr. Alex Hancock</i> , Siemens VAI, UK
11:40-11:55	Blast Furnace - an Evolving Ironmaking Reactor Yet	- <i>Mr. A. S. Reddy</i> and <i>Mr. Ashok Kumar</i> , Tata Steel, India
11:55-12:10	Design Features of Blast Furnace of Various Sizes in India	- <i>Mr. S. K. Verma</i> and <i>Mr. J. S. Sahay</i> , MECON, India
12:10-12:25	Don't Let Your Money Go Up the Chimney	- <i>Mr. Peter M. Martin</i> and <i>Mr. Mike Fletcher</i> , Siemens Energy & Automation, USA and Siemens VAI Technologies, UK
12:25-12:40	Operational Experience in Operating a 1681 m ³ Blast Furnace in the Raigarh Works of JSPL	- <i>Mr. Amitava Sircar</i> , Jindal Steel & Power Ltd., India
12:40-12:55	Design and Construction of Large Blast Furnaces	- <i>Mr. Indranil Roy</i> , Larsen & Toubro Limited, India
12:55-1:30	Q&A on Design and Other Aspects of Blast Furnaces	
1:30-2:30	Lunch at Pre-function Area, Crystal East Hall	

Continued...

Session-3: Technological Improvements in Blast Furnaces
Chairman: Dr. B. N. Singh, Group CEO, Adhunik Group, India

2:30-2:45	The Bell Less Top Charging System – a Proven and Innovative Technology - Mr. Emile Lonardi, Mr. Guy Thillen, Mr. Lionel Hausemer and Mr. Steffen Köhler, Paul Wurth S A, Luxembourg
2:45-3:00	Application of Gimbal Top Charging to Blast Furnaces - Mr. P. C. Whitfield, Mr. B. Audsley and Mr. M. Riddle, Siemens VAI Metals Technologies Ltd., UK
3:00-3:15	No-Bell Top - a Newly Developed Blast Furnace Top Technology - Mr. Franz-Josef Irnich, Z & J Technologies GmbH, Germany
3:15-3:30	The Hydraulic Charging Unit for Blast Furnaces - Dr. Bala Paramanathan, Danieli Corus BV, The Netherlands
3:30-3:45	Development and Application of Castable for BF Trough and Iron Runner - Mr. Wang Cheng, Mr. He Zhongyang and Mr. Xu Jialiang, Puyang Refractories Group Co., Ltd., China
3:45-4:00	New Lining Material of Hearth for Blast Furnace : Self-coating Carbon Block - Mr. Ryuji Mizui, NDK, Japan
4:00-4:30	Q&A on Technological Improvements in Blast Furnaces

Session-4: Blast Furnace Operation

Chairman: Mr. A. K. Chakravorty, President, Shabro Metals & Technologies, India

4:35-4:50	Experience in Operating Large Blast Furnaces at Tata Steel - Mr. S. K. Roy, Tata Steel, India
4:50-5:05	Development of Ironmaking Technologies in Japan - Mr. Takashi Miwa and Mr. Kiichiro Kurihara, Nippon Steel Corporation, Japan
5:05-5:20	Recent Posco's Blast Furnace Experience - Mr. J. S. Choi, Mr. S. Y. Kim and Mr. M. K. Kim, Posco, South Korea
5:20-5:35	Application Technologies for Blast Furnaces - Mr. Sumant Warty, Praxair, USA
5:35-5:50	Tap Hole Clay for Blast Furnaces - Mr. Atsushi Yamasaki, Krosaki Harima Corporation, Japan
5:50-6:15	Q&A on Blast Furnace Operation
6:15-6:25	Concluding Remarks Mr. Bhaskar Roy, Director, M. N. Dastur & Co., India
6:25-6:30	Vote of Thanks Mr. B. P. Sarkar, Convener, Steel Tech, India

6:30-7:00 Tea/Coffee at Pre-function Area, Crystal East Hall

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Convener:

Mr. B. P. Sarkar, *Ex. Chairman, IIM, Kolkata Chapter*

Address for Communication

Those interested in participating in this Seminar / Exhibition should contact:

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