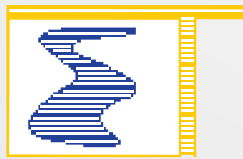


INTERNATIONAL SEMINAR

Organised by



STEEL TECH

on
Strategies for Sustainable
Growth and Profit Maximization
for

Steel Plants in India

(16th in the Series of Annual Seminars on
Latest Technologies in Steel Industry)

Monday 16th October, 2023

ITC, Sonar (PALA), Kolkata, India

STEEL TECH's annual International Seminar started in 2009 by our founding Editor Late Dr. Amit Chatterjee which became very popular and unique in its own way. A large number of speakers and participants attended it both from domestic and overseas. The rich contents, interactive deliberations and opportunity for networking were its especial attraction. We continued the saga and this 16th seminar in the series will discuss about the growth strategies for Indian steel plants and how to maximise profits so important for survival and growth. It will surely be of great interests to the participants.

BACKGROUND

India is now the second largest Steel producer in the world. Its population is close to 1.4 billion almost same as in China but per capita consumption of steel is ~81 Kg compared to global average of 233 and China's ~645 Kg. National Steel Policy aims to reach 300 Mtpa steel capacity and a robust finished steel per capita consumption of 160 Kg by FY31. This will entail additional investment of INR 10 Lakh Cr by FY31 as per National Steel Policy 2017. India also aims to reach 500 Mtpa of crude steel capacity by 2047. The Secondary Sector is expected to produce over 30% crude steel which is unique for India. Like elsewhere in the world, there is also pressure due to climate change to produce green steel.

Although India has vast reserves of non-coking coal and iron ore, production cost in Indian steel plants is higher due to various factors like high interest rates for capital, dependence on imported coking coal, raw materials for refractory making, additives like Ni for stainless steel, etc. Energy cost is also high due to higher electricity rate. The logistic costs in India is much higher in addition to comparatively higher Govt. levies and taxes at various points in supply chain. Moreover, Indian steel plants are still and majorly dependent on imported technology and equipment supply for new plants or brownfield expansion. Production of green steel will also call for imported technology. The profitability and survival of steel plants face volatility due to frequent steel price fluctuations globally, export policy /taxes imposed by various countries, quota system from within the country and outside etc.

Considering all the points as mentioned above and more, it is always a big challenge for each steel plant to make out a strategy to survive and grow by adopting various measures so that profit margins remain high not only for survival but also for healthy growth in capacity build up and meet the expectation of various stakeholders.

WHY ATTEND THIS SEMINAR

The seminar will provide a unique opportunity to interact with Doyen of Industries, Technology Suppliers, Designers, Operating Personnel, Researcher, Academia and many other involved with Metal Production, Processing from across the world. The latest technological developments in production/usage as well as process control techniques will be deliberated in the seminar.

PARTICIPANTS & SPEAKERS

Ministry of Steel & Mines, Danieli, MetscoOutotec, Midrex, PRIMETALS TECHNOLOGIES, SMS Group, Tenova, Qoncept, ATMASTCO, TATA STEEL, AM/NS, JSPL, JSW, SAIL, Vedanta Group, Adani, Shakambhari, Rashmi, Shyam Steel, Sharp Ferro, Secondary Steel Producers, IBM, Kleenair, MN Dastur, MECON, NML, IMMT and many more....



STEEL TECH's annual International Seminar has remained very popular in which a large no. of speakers and participants from India and overseas attend.

KEY ISSUES TO BE DISCUSSED

Technology & Equipment

- Adoption of Latest Technologies and Equipments help to remain sustainable and cost competitive. Life cycle cost to be the basis for selection of technology besides the nature of indigenous raw materials availability, need to restrict CO₂ emission at all stages, meeting customers' requirement in respect of quality and sizes.
- Aim to reduce cost of production through high efficiency in operation, ability to use wide variety of raw materials, flexibility in production of finished steels at various combination of sizes and meeting other quality requirements.
- Manufacturing of steel plant equipment in India is a must to reduce cost of procurement and reduced Lead Time.

Logistic Costs

- Logistic costs is almost 20-25% of total cost for a steel plant. Mode of transport need to be slurry pipeline for raw materials, water transport as far as possible and finally Railways are cheaper compared to Road Transport. Beneficiation of ore and coal at mines site, Service Centre near the plant to cut exact sizes required by customers, etc. will reduce cost of transportation.

Increase of Net Realisation

- For existing steel plant and facilities, net realisation can be increased through several measures by superior service to customers compared to competitors like product mix; meeting quality & size requirements of customers, faster and door delivery, speedy resolve of customers' complaints, etc.

Innovations

- As India has large reserves of high ash non-coking coal and iron ore fragile in nature, innovative technology is required for production of DRI and Liquid hot metal(Posco's Finex technology is one example in this direction).
 - CO₂ emission is high in Indian steel plants- around 2.5 t per ton of HM. For existing BF, coke rate need to come down drastically through injection of Pulverised coal, natural gas and H₂. Carbon capture & Usage is vital for Indian plants if they want to utilise the non-coking coal availability. Commercial applications is still at nascent stage. R&D need to work on this.
 - Green Steelmaking
 - India still imports a lot of alloy and CRGO steels at high cost for Defence and Electrical industry. Need for developing technology for production of these value added steels.
- Development of New Products and diversification to new areas are important for Long term sustainability.

Digitization & AI

- No plant in this era can be sustainable and make profit without recourse to Digitization and implementing Industry 4.0. The various areas where these can be inducted to be discussed at affordable costs.
- Digitisation and use of AI will help in reduction of man power and increased safety for people working besides achieving better quality products with less rejection.

Do not miss this unique opportunity

Brand Image, Safety & Environment

Company's brand image to be developed over the years to allow higher prices and retention of customers. Environment is one of the Key Issue for sustainability and make the local Society and people as Partner. Safety is always the most important for all.



ABOUT THE ORGANIZER

STEEL TECH is a reputed technical journal published quarterly from Kolkata. It features technical articles involving steel technology for today and tomorrow. The journal has received widespread acclaim from within the industry, research as well as academic institutions. 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 organizations and academicians of repute.

BRIEF SEMINAR PROGRAMME

09.15 - 10.00	: Registration & Tea Session
10.00 - 11.00	: Address by the Chief Guest, Guests of Honor & Keynote Speaker
11.00 - 11.45	: Panel Discussion & Q&A
11.45 - 13.45	: Technical/Commercial Session 1
13.45 - 14.45	: Lunch
14.45 - 17.00	: Technical/Commercial Session 2
17.00 - 17.30	: Valedictory Session and Vote of Thanks
17.30 - 18.00	: Tea, Networking



PARTICIPATION DETAILS

DELEGATE FEE# : INR5,000 per person for Indian participants
: INR2,500 per Student participants
: USD 200 / Euro 200 per person for overseas participants

PLUS GST OF 18%

SPONSORSHIP#

PLATINUM SPONSOR

INR 5 Lakhs

(USD 7,500 / Euro 7,000) (includes 10 free delegates + full page colour advertisement + free Exhibition Stall)

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page colour advertisement)

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INR 1.5 Lakh

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PLUS GST OF 18% TO BE BORNE BY THE SPONSOR

EXHIBITION

Size of Stall : (2 X 2 M) or Multiple : Rs. 12,500/Sq M (USD 280/Euro 250)
Poster Display : (3 Ft X 2 Ft) Max : Rs. 10,000 / USD 250 / Euro 200 per Poster

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ADVERTISEMENT IN SEMINAR PROCEEDINGS OR IN APRIL 23 ISSUE OF STEEL TECH *

Outside Back Cover : INR 50,000 (USD 1,500 / Euro 1,350)
Inside Front or Back Cover : INR 35,000 (USD 1,200 / Euro 1000)
Full Page Colour : INR 20,000 (USD 900 / Euro 800)
Full Page B/W : INR 10,000 (USD 450 / Euro 400)

*** PLUS GST OF 5%**

PAYMENT DETAILS

Payments are to be made in favour of "STEEL TECH"

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