

INTERNATIONAL SEMINAR
Organized by



STEEL TECH

on

Technological Advancement in Ferroalloys & Opportunities for Growth

11th APRIL (MONDAY), 2022

BENGAL STATE ROOM (BSR)
4 & 5, LOWER LOBBY, ITC ROYAL BENGAL

KEY ISSUES TO BE DISCUSSED

FERRO-ALLOYS

- INTERNATIONAL & DOMESTIC MARKET - SUPPLY, DEMAND BALANCE & OPPORTUNITIES FOR INDIA
- SUPPLY OF CHROME & MANGANESE ORE TO FERRO ALLOY PRODUCERS
- INNOVATIVE TECHNOLOGIES FOR REDUCING PRODUCTION COST OF FERRO ALLOYS
- NOBLE FERROALLOYS- AVAILABILITY OF ORE AND PRODUCTION PROCESS

MINING

- MINING LAWS, REGULATIONS, RESTRICTION
- MODERN TECHNOLOGIES

RAW MATERIAL

- AVAILABILITY OF RAW MATERIAL FOR PRODUCTION OF FERRO ALLOYS
- INNOVATIONS & EMERGING TECHNOLOGIES IN UTILISATION OF LOW GRADE RAW MATERIALS
- INFRASTRUCTURE, MODERN LOGISTICS
- WAYS AND MEANS TO MEET RAW MATERIAL REQUIREMENT FOR 300 MT CRUDE STEELMAKING

POWER & ENERGY

(INCLUDING GREEN ENERGY)

- LOCATING FERRO-ALLOY PLANT TO AVAIL POWER AT THE LOWEST COST
- UTILISATION OF WASTE HEAT TO REDUCE COST
- SOURCING OF REDUCTANT AT LOWER COSTS

TECHNOLOGY

- DIGITIZATION / **INDUSTRY 4.0** / IOT / MACHINE LEARNING

SAFETY, HEALTH & ENVIRONMENT

PARTICIPATION AND SPEAKERS FROM:

OUTOTEC, SMS, PYROMET, TRAFIGURA; TATA STEEL, SAIL, MOIL, JINDAL STAINLESS STEEL, JSW STEEL,
JSPL, IMFA, OUTOKUMPU, VEDANTA GROUP, ADHUNIK, IMMT, NML, MECON, M N DASTUR, IIT,
JU & MANY MORE...

VENUE

The venue is ITC Sonar, Kolkata centrally located 5 star hotel having excellent facilities. Keeping in view of current situation, we shall follow all norms related to COVID-19 protocols.

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

BACKGROUND

The World Steel Association forecasts that the steel demand will grow by 4.5% in 2021 to reach ~ 1855 Mt in 2021 and further increase by 2.2% in 2022 to ~ 1896 Mt. India ranks second amongst the top steel producing countries in the world with production of ~111 Mt. The per capita consumption of steel in India is just about 74 kg compared to 224 kg world average indicating huge potentiality to grow. The National Steel Policy aims to reach 300 Mtpa by FY31 and requirement of Ferro alloys for production of steel will jump more than double compared to the present level.

India is fortunate to have good resource of good quality chrome ore. However, deposit of Mn ore is limited and we have to import Mn ore to meet the production of Mn-based ferro alloys. Energy cost is quite high in India for which China has become competitor in Ferro-Chrome though they are importing ore. Selection of right sustainable technology to utilise low grade ores and availability of power at reasonable cost will help the indigenous Ferro alloy producers to meet the demand of Indian steel producers as well as export to enable earning of foreign exchange. Digitisation and application of Industry 4.0 need to be adopted for better control, cost reduction and customer's satisfaction

Ferro-alloys constitute one of the most expensive inputs to steelmaking in a typical Integrated Steel Plant, it amounts to 7-10% of the cost of saleable steel. It is thus important to deliberate on raw materials for steelmaking, emerging technologies in detail for its right selection to remain globally competitive.

WHY ATTEND THIS SEMINAR?

The Seminar will provide a unique opportunity for Steel/Ferroalloy producers, miners to interact with Technology Suppliers, Designers, Operating Personnel, Researchers, Academicians and Others from the Industry. The latest technological developments in production / usage as well as advanced process control techniques will be deliberated upon in this Seminar. Unique networking opportunity with peers and industry leaders through interactive panel discussions and during lunch/tea breaks.

DO NOT MISS THIS UNIQUE OPPORTUNITY

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 aim is for faster development of steel industry, including downstream facilities in the eastern region, which is lagging compared to the other regions although it is rich in mineral reserves.

The journal has received widespread acclaim from within the industry, research organizations 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 organisations and academicians of repute.

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PARTICIPATION DETAILS

DELEGATE Fee*

- : Rs. 5,000 per person for Indian participants
 - : Rs. 2,500 per Student participants
 - : USD 200 / Euro 200 per person for overseas participants
- * PLUS GST 18%

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Size of Stall: (2 X 2 M) or Multiple : Rs. 12,500/Sq M

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