

INTERNATIONAL SEMINAR

Organized by

STEEL TECH

ON



STEEL TECH

FERROALLOYS & UPSTREAM INDUSTRIES: PRESENT STATUS & FUTURE OUTLOOK



10th April, 2026 | Friday

Taj Bengal, Kolkata, India

www.steeltech-india.com

KEY ISSUES TO BE DISCUSSED



STEEL & FERRO-ALLOYS SCENARIO

- International & Domestic Market - Supply, Demand Balance & Opportunities for India z Enhancing focus on Exports
- Innovative Ideas for Reducing Production Cost of Ferro alloys
- Low, Medium Carbon and Special Ferroalloys z Present and Future Scenario
- Stainless Steel z New Areas of Application & Export Potential
- Incentives Required from the Government of India for the Industry
- Technological Advancement & Opportunity for Green Steel and Ferroalloys Making
- CBAM Regulations

MINING

- Mining Laws, Regulations & Restrictions
- Feasibility of Underground Mining



RAW MATERIAL

- Availability of Raw Material for production of Ferro Alloys
- Supply of Chrome & Manganese Ore for Ferro alloy Producers
- Innovations & Emerging Technologies in Utilisation of Low-Grade Raw Materials
- Coal & Coke used for Ferroalloys Production
- Briquetting, Sintering & Pelletisation
- Ways and Means to meet Ferro alloy Raw Materials for 300/500 Mtpa Crude Steel Production in India

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
- Making of Ferroalloys using Green Energy & Hydrogen



TECHNOLOGY

- Adoption of BAT (Best Available Technologies) and Green Energy for Manufacturing Ferro alloys
- Digitization / Industry 5.0 / IoT / Machine Learning/AI
- Ferro Alloy Waste Utilization and Recycling
- High Carbon and Refined Manganese Alloy Production technologies
- Process Improvements and Innovations in Submerged Arc Furnace Processes
- Chrome Alloys and Stainless-Steel Production
- Noble Alloys and their Production Technologies
- R&D Activities in Ferroalloys Industry



DIGITISATION & AI

- Modern Technologies using AI and Digitization

CIRCULARITY OF THE FERROALLOYS & STEEL INDUSTRY

- Keeping materials in use for as long as possible through recycling, reuse, and resource efficiency rather than relying on virgin raw materials.



LOGISTICS

- Infrastructure & Ways to Reduce costs on Logistics and improve delivery efficiency
- Modern Logistics z Multimodal Transport



Brand Image, Safety, Health & Environment

PARTICIPATION & SPEAKERS AND VENUE



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PARTICIPATION AND SPEAKERS

TATA STEEL, SAIL, RINL, IISCO, JSW, Jindal Steel, TBSL, IMR Resources, Shakambhari, Rashmi, Shyam Metalics, Elegend, Sharp Ferro, Shyam Ferro, Outotec, MOIL, SMS, TENOVA, Pyromet, Trafigura, Super Smelter Ltd., Jindal Stainless Steel, Salem Steel, Viraj Stainless Steel, VISL, Rimjhim Steel, TM International, IMFA, JAMIPOL, Shyam Metalics & Energy, Tirumala Balaji, Jai Balaji, Outokumpu, Bengal Energy, Nilachal Carbo Metalicks, Vedanta Group, IMMT, DGFT, NML, Mecon, M N Dastur, RgCON, Fosbel, BATHURST Resources, Pratibha Erectors, RAWMET, BEC, HuDe, SSE Contracts, SHOUGANG Group, KFIL, Trans Asia Consultant, IIT, JU & many more...

VENUE

The venue is the Taj Bengal, Kolkata conveniently located 5-star hotel having excellent facilities. Keeping in view of current situation, we shall follow all norms and protocols.



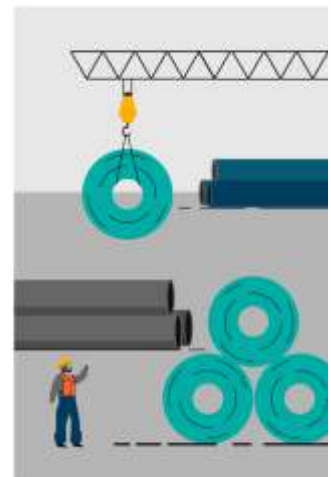
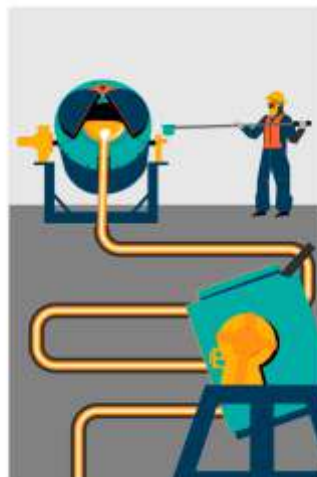
BACKGROUND



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Global steel production is currently facing stagnation, with demand projected to remain flat in 2025 at around 1,749 million tonnes, before a modest rebound of 1.3% in 2026. India’s steel industry is on a strong growth trajectory: crude steel output rose 7.6% in early 2025, and demand is expected to expand by more than 8% this year, making India the fastest-growing major steel market globally. Long-term targets aim for 300 million tonnes of production by 2030 and 500 Mtpa by 2047, supported by infrastructure, manufacturing, and urbanisation. India’s steel sector is entering a high-growth phase, with strong domestic demand and ambitious policy targets. The challenge will be balancing expansion with sustainability and profitability.

As of 2025, global per capita steel consumption averages around 233 kg, while India’s per capita steel consumption has reached 100 kg, marking a major milestone for the country’s steel sector and also indicating huge potentiality to grow.





The global ferroalloys market is entering a growth phase, projected to expand from about USD 59 billion in 2025 to over USD 130 billion by 2035, driven by steel demand, infrastructure projects, and battery materials. However, volatility from raw material supply, energy costs, and geopolitical risks will remain key challenges.



India's ferroalloys industry is on a strong growth path, expanding from USD 4.69 billion in 2024 to a projected USD 10.02 billion by 2033, driven by rising steel production, infrastructure projects, and export opportunities.

The seminar aims to discuss the present and future outlook of ferroalloy industry with an aim to develop India as a global leader with a strong focus on enhancing self-reliance.



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, underground mining for chrome ore 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. Reduction of CO₂ emission and Carbon Capture & Utilisation of CO₂ and its conversion into Liquid/Ethanol or Methanol, etc. to be looked into since Green Steel maker may also ask for green ferroalloys in future as well.



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. **STEEL TECH** has been conducting seminars of international standard since long and this seminar is the 19th one once again designed with rich content.

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 with special focus 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.

BRIEF SEMINAR PROGRAMME

10th April, 2026

09.15 - 10.00	Registration & Tea Session
10.00 - 11.00	Address by the Chief Guest/ Guests of Honor & Keynote Speakers
11.00 - 11.45	Panel Discussion & Q&A
11.45 - 12.00	Tea Break
12.00 - 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

- : Rs. 10,000 per person for Indian participants
- : Rs 8,000 for early birds (till 1st March 26)
- : Rs 7,000 for women delegates (Special Fee)
- : Rs. 5,000 per Student participant
- : USD/Euro 200/- per person for overseas participants

PLUS 18% GST



SPONSORSHIP

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PLUS 18% GST to be borne by the sponsor

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Full Page Colour	: Rs. 20,000 (USD/Euro 500/-overseas)
Full Page B/W	: Rs. 10,000 (USD/Euro 250/-overseas)

* PLUS 5% GST

Exhibition

Poster Display (8 Ft X 4 Ft) Max	: Rs. 15,000 / USD 250 /Euro 250 per Poster
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PLUS18% GST

You should not miss this opportunity to participate in this Event. Please **register NOW**



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PAYMENT DETAILS

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