

Organised by



CONFERENCE ON

# STEEL TECHNOLOGY FESTIVAL

26<sup>th</sup> MAY 2026

Le Méridien, New Delhi



200+  
Delegates



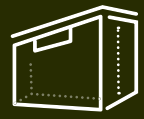
8 Hrs Learning  
Sessions



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**SHAPING THE FUTURE OF MANUFACTURING**

A powerful convergence of next-generation manufacturing, intelligent automation, green steel solutions, and advanced material science – driving efficiency, excellence, and environmental responsibility across the global steel ecosystem.

**Reimagining Steel.  
Reinventing Performance.  
Realizing Sustainable Growth.**



# CONFERENCE OVERVIEW

The Steel Technology Festival is a first-of-its-kind, high-impact platform designed to showcase the next generation of steel manufacturing technologies, disruptive innovations, and sustainable production practices shaping the global steel industry.

At a time when the steel sector is undergoing a profound transformation — driven by decarbonization, digitization, energy transition, and advanced material science — this festival brings together steel producers, technology innovators, solution providers, equipment manufacturers, and engineering leaders under one roof.

The event will feature a series of high-level technology sessions, innovation pitches, live demonstrations, and expert-led discussions, offering deep insights into how modern steel plants can achieve higher efficiency, superior product quality, lower environmental footprint, and enhanced operational excellence.

Beyond knowledge sharing, the Steel Technology Festival is designed as a powerful business and collaboration platform, enabling meaningful dialogue between technology providers and end-users, fostering strategic partnerships, accelerating technology adoption, and driving real-world implementation across steel plants, engineering projects, and downstream manufacturing ecosystems.



## Conference Objectives

To showcase next-generation steel manufacturing technologies and innovations driving efficiency, quality, and sustainability.

To enable industry-wide dialogue on decarbonization, energy transition, and digital transformation.

To foster collaboration, partnerships, and technology adoption across the steel value chain.

To create a high-impact platform for knowledge sharing, business networking, and strategic engagement.

## Exhibition Focus

To provide a dynamic platform for showcasing cutting-edge steel manufacturing technologies, equipment, automation solutions, and sustainable innovations.

To enable live demonstrations, product launches, and technology interactions, facilitating informed decision-making and faster technology adoption.

To create direct engagement opportunities between technology providers, steel producers, engineers, and project developers, driving business leads and partnerships.

To promote innovation, operational excellence, and sustainability across the steel manufacturing and engineering ecosystem.



# ABOUT THE ORGANISER

## Our Mission

METALOGIC PMS is proud to be the industry's early morning news provider for over 4 years, covering areas such as steel, mining, automobile, cement, and infrastructure.

It also offers daily updates on commodity base prices and congestion reports at major Indian ports.

## Our Speakers

We handpick each of our speakers for their expertise and innovative ideas, ensuring that our guests are exposed to the latest trends and thought-provoking insights.



#WeCreateTheBest

## Our History

Founded in 2017, Metalogic PMS has since become a premier event in the industry, attracting top professionals and thought leaders from around the world.

With over 9 years of experience in organizing steel industry-related events and disseminating information through various media, METALOGIC's experienced team is set to propel this standalone venture for the success of the Indian iron and steel industry.



## Why Metalogic Events

### Strong Industry Reach

Deep-rooted presence in India's steel ecosystem with direct access to CXOs, plant heads, and key decision-makers.

### High-Quality Audience

Curated participation of serious buyers, technical leaders, and project owners, ensuring strong business ROI.

### Trusted Platform

A proven track record of delivering high-impact, world-class steel conferences and exhibitions.

### Powerful Market Entry Gateway

An ideal platform for global technology companies to enter, expand, and strengthen their presence in the Indian market.

09:00 am - 09:45 am

**Delegate Registrations & Networking Session**

09:45 am - 11:00 am

**Conference Inaugural Session**

**Welcome Note**

**Industry Note**

**Chief Guest**

**Discussion Points-**

- » Why Green Steel Technologies for India?
- » Global trade impact on Indian manufacturing
- » CBAM and global import policies for Indian exporters
- » Need for high steel quality and production route consciousness
- » Indian policies supporting Green Steel

11:00 am - 12:00 pm

**Session 1  
Innovations Pitch (Presentations )**

**Discussion Points-**

- » Coal-to-Gas & Energy Transition - Coal gasification technologies, Syngas utilisation in steel plants and Energy efficiency & emission reduction
- » Ferro Alloy Innovations - Low-carbon ferro alloy production, Energy-efficient furnaces and Raw material optimization & yield improvement
- » Eco & Green Pickling Technologies - Acid-free pickling (EPS & alternatives), Water recycling & zero-liquid discharge and Worker safety & compliance benefits
- » New & Emerging Steelmaking Technologies

12:00 pm - 12:30 pm

**Session 2  
Modern Coke Plants: Efficiency, Reliability & Environmental Performance (Presentations )**

**Discussion Points-**

- » Coke Plant Equipment Improvements - Upgrades in coke oven batteries and ancillary equipment and Improved charging, pushing, quenching, and handling systems
- » Sulphur Removal & Gas Cleaning Facilities - Managing H<sub>2</sub>S and SO<sub>x</sub> emissions effectively and Integration with coke oven gas utilisation

12:30 pm - 01:00 pm

- » Wastewater Treatment & Water Management - Treatment of phenolic and ammoniacal effluents, Advanced biological and membrane-based treatment systems and Water recycling and zero-liquid discharge (ZLD) solutions
- » Alternate Coke-Making Technologies - Non-recovery and heat-recovery coke ovens, Stamp-charging and coal blend optimisation and Coke substitutes and partial replacement strategies

**Session 3  
Next-Generation Refractories for Efficient & Sustainable Steelmaking (Presentations )**

**Discussion Points-**

- » Advanced Refractory Solutions for Performance & Longevity
- » Innovations in Refractories for Cleaner Steel
- » Optimised lining design for higher thermal efficiency
- » Refractories compatible with hydrogen & DRI routes

01:00 pm - 02:00 pm

**Lunch Break & Networking Session**

02:00 pm - 02:30 pm

**Session 4  
Next-Generation Electric Arc Furnace (EAF) Technologies for Efficient & Low-Carbon Steelmaking (Presentations & Panel )**

**Discussion Points-**

- » Advancements in EAF Furnace Design - High-power and ultra-high-power EAF configurations and Optimisation for scrap, DRI, and hot metal charging
- » Oxygen Injection Technologies - Optimised oxygen lancing and post-combustion techniques
- » Solids Injection Systems - Carbon and lime injection strategies and Slag foaming improvement for thermal efficiency
- » Water-Cooled Components & Thermal Management - Design considerations for maintenance and reliability
- » EAFs & the Green Steel Transition - Role of advanced EAFs in low-carbon steelmaking and Compatibility with renewable energy and hydrogen-based DRI

02:30 pm - 03:00 pm

**Session 5**

**Modern Induction Furnaces: Efficiency, Quality & Sustainability Improvements (Presentations & Panel)**

**Discussion Points-**

- » High-efficiency furnace coils and refractory linings
- » Modern IGBT-based power supplies and Higher power factor and reduced harmonic distortion
- » Improved control over chemistry and cleanliness and Reduced oxidation and inclusion control
- » Energy Efficiency & Cost Reduction - Lower specific power consumption (kWh/ton), Optimised melting cycles and reduced tap-to-tap time and Waste heat recovery possibilities in IF shops
- » Integration with Continuous Casting & Rolling
- » Future Pathways for Induction Furnaces - Hybrid routes (IF + refining units) and Potential role in low-carbon steelmaking

03:00 pm - 04:00 pm

**Session 6**

**Advancements in Blast Furnace & Basic Oxygen Furnace (BF-BOF) Operations (Presentations & Panel )**

**Discussion Points-**

- » Blast Furnace Process Optimisation - High PCI (Pulverised Coal Injection) rates and control and Reducing coke rate and improving furnace stability
- » Raw Material & Burden Quality Management - Sinter and pellet quality optimisation and Impact on permeability, productivity, and emissions
- » BOF Process Enhancements - Advanced oxygen lance designs and blowing practices, Slag optimisation for faster refining and yield improvement and End-point control systems for chemistry and temperature
- » Modern IGBT-based power supplies and Higher power factor and reduced harmonic distortion
- » Energy Recovery & Waste Heat Utilisation - Top-gas recovery turbines (TRT) and BOF gas recovery and utilization
- » Emissions Reduction & Environmental Control - CO<sub>2</sub> reduction strategies within BF-BOF route, Dust, SO<sub>x</sub>, and NO<sub>x</sub> control technologies and Water management and effluent treatment improvements
- » Transition Pathways for BF-BOF Plants - Hydrogen injection and low-carbon fuels (pilot stage), CCUS readiness and integration challenges and Hybrid routes and long-term decarbonisation strategies

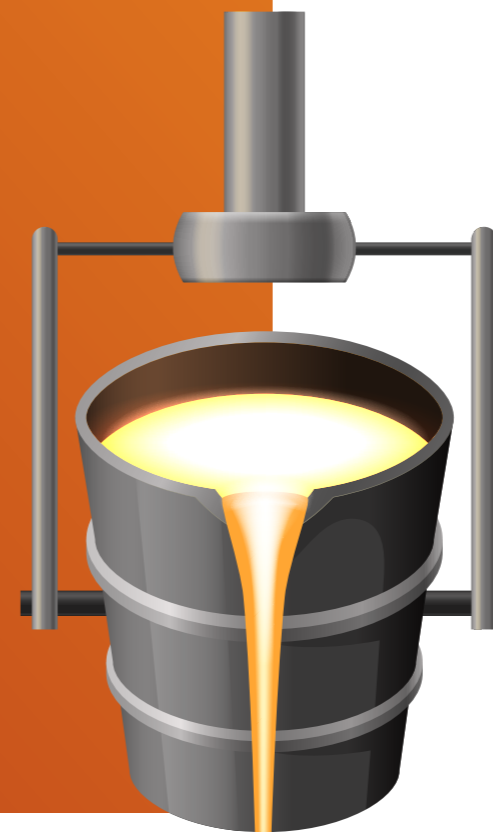
04:00 pm - 04:30 pm

**Session 7**

**Advanced Alloy Steel Production: Technology, Quality & Performance (Presentations & Panel)**

**Discussion Points-**

- » BF-BOF, EAF, and IF routes for alloy steel production - Flexibility and challenges across different steelmaking paths
- » Melting & Refining Technologies - Role of secondary metallurgy (LF, VD, VOD, RH) and Achieving low impurity levels and tight chemistry windows
- » Alloying Practices & Raw Material Management - Yield optimisation and cost control and Handling of critical and high-value alloying elements
- » Thermo-Mechanical Processing & Heat Treatment and Casting & Solidification Control
- » Quality Assurance & Testing - Meeting stringent automotive, defence, and export standards
- » Scrap utilisation and circular economy practices



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- » Automation, Digital Transformation & Industry 4.0 Leaders
- » Machinery, Equipment & Plant System Manufacturers
- » Coke Oven Technology Providers & Coke Plant Engineering Companies
- » Blast Furnace (BF), Electric Arc Furnace (EAF) & Induction Furnace (IF) Technology Providers & Engineering Firms
- » Energy Efficiency, Waste Heat Recovery & Process Optimization Experts
- » Furnace, Refractory, Casting, Rolling Mill & Finishing Line Equipment Suppliers
- » Robotics, Welding Automation & Smart Manufacturing Solution Providers
- » Energy, Hydrogen, Decarbonization & Environmental Technology Providers
- » EPC Contractors, Turnkey Project Developers & Engineering Consultants
- » Procurement, Projects, Maintenance & Reliability Heads

### Value Proposition for Participants

- Discover next-generation steel manufacturing technologies, automation & digital solutions.
- Gain practical insights into decarbonization, energy transition & sustainable steelmaking.
- Connect with CXOs, plant heads, technology leaders & decision-makers.
- Experience live demonstrations & innovation showcases.
- Explore new business opportunities, partnerships & collaboration.



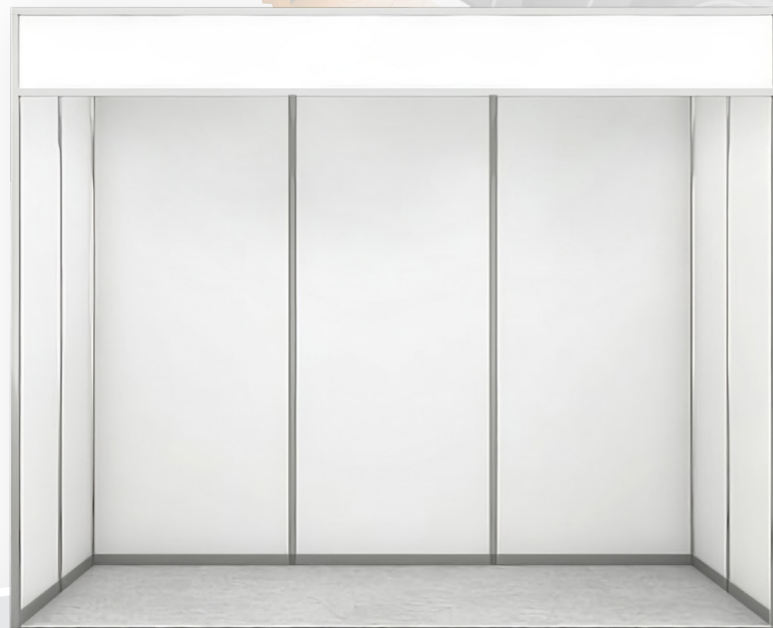
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● Please note: **18% GST** applicable on all base tariffs.

● You can make the payment by NEFT/RTGS or Payment Gateway.

## EXHIBITION STALL



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- 3 Spot Lights | Facia
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## ABOUT THE CITY

New Delhi is the capital of India. New Delhi and Delhi combined are called the National Capital Territory of Delhi. Along with this, the national capital region is much broader, in which various neighboring districts and places are also included. These are Gurgaon, Faridabad, Noida, Ghaziabad.

Firstly the foundation of New Delhi was introduced by George V in 1911 during the Delhi durbar. Herbert Baker and Edwin Lutyens fabricated the whole map of New Delhi. The inauguration of Delhi was done on 13 February 1931. The Viceroy and Governor-General Irwin inaugurated New Delhi for the first time.

No.	Tariff in INR	Tariff in USD	Please Tick (✓) On Your Choice
1	10,000	400	
2	20,000	800	
3	30,000	1200	
4	40,000	1600	

**Please Note:** GST additional on the above tariffs.  
The above tariff is non-negotiable.

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Bank Details for Delegate Registration (RTGS/NEFT, Cheque or DD)	
Account Transfer	ICICI BANK
Account Type	Current
RTGS/NEFT IFS Code	ICIC0000815
Account Name	Metalogic Projects Management Services Pvt. Ltd.
Account Number	081505001100
Bank Address	Sector 110, Branch A-3/13, Sector 110, Noida - 210301, Uttar Pradesh

#### GENERAL TERMS & CONDITIONS

- » 18% Gst Applicable On The Above Tariff.
- » The Delegate Fee Is Non-Negotiable.
- » The Delegate Fee Is Non-Refundable. The Name Of The Delegate Can Be Replaced By The Alternate Delegate Assigned By The Company.
- » The Payment To Be Made 100% Advance Through The Payment Gateway/Neft/ Cheque/Imps/Rtgs Or Paytm/Google Pay.

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