

### Call For Papers

Technical papers for presentation in the Seminar are invited from the technocrats, technology & service providers, researchers, environmentalists and academic associates. Abstracts for the presentation can be mailed to the following e-mail addresses by Email: abhishek@isrinfomedia.in, angan@isrinfomedia.in.

For further information please visit our website: [www.isrinfomedia.com/upcoming-events](http://www.isrinfomedia.com/upcoming-events). Only registered delegates would be entitled to present papers. Contact persons for technical papers:- Mr. Abhishek Mahanti +91 9830833566, Mr. Angan Chatterjee +91 9331849864, Ms. Sanjana Tiwari +91 7980762328 E-mail: [contact@isrinfomedia.in](mailto:contact@isrinfomedia.in), [abhishek@isrinfomedia.in](mailto:abhishek@isrinfomedia.in), [angan@isrinfomedia.in](mailto:angan@isrinfomedia.in), [sanjana@isrinfomedia.in](mailto:sanjana@isrinfomedia.in)

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# 5<sup>TH</sup> INDIAN STEEL & 2<sup>ND</sup> REFRactory CONFERENCE



## NEXT-GENERATION REFRactory SOLUTIONS FOR THE IRON & STEEL INDUSTRY: CHALLENGES AND EMERGING TRENDS

Conference & Exhibition at  
**Vivanta Kolkata EM Bypass**

March 12-13, 2026

Organised by



In Association With



MILLENNIUM INSTITUTE OF ENERGY  
AND ENVIRONMENT MANAGEMENT

## Preamble

The iron and steel industry is undergoing a significant transformation, driven by the push towards the adoption of green steel technologies. In this evolving landscape, next-generation refractory solutions play a pivotal role in enhancing efficiency, sustainability, and operational longevity.

This seminar will highlight cutting-edge developments in refractory materials and their applications in modern steelmaking, particularly in response to the industry's shift toward cleaner production methods.

## Key Topics:

1. Advances in Refractory Materials and Innovative Design
  - Nanobond Technology: Enables improved bonding strength and thermal performance.
  - Carbon Containing Refractory Bricks: Low carbon with enhanced resistance to thermal shock and corrosion.
  - High-Purity Mortars: Ensures longer service life and better compatibility with advanced refractories.
  - Insulating Refractories: Critical for energy savings and improved thermal management.
  - Monolithic Refractories: Reduces energy usage and offers versatile installation options.
  - Recyclable and Sustainable Materials: Promotes circular economy practices within refractory systems
2. Supporting Green Steel Initiatives
  - EAF-Specific Refractory Solutions: As Electric Arc Furnaces (EAFs) become central to green steel production, refractory systems must adapt to fluctuating input materials—scrap, DRI, and iron—which influence slag behaviour and wear mechanisms.
  - Impact of Hydrogen Use in Steelmaking: Hydrogen-based steelmaking introduces new thermal and chemical stresses on refractories, requiring specially engineered solutions to maintain furnace integrity.
  - Waste Refractory Management: Innovative strategies for recycling and reusing spent refractories are vital for reducing environmental impact and aligning with zero-waste and carbon neutrality goals.



## Tentative Programme Schedule:

### Day-1

Registrations from 9 a.m.

- Inaugural Session at 10 a.m.
- Morning refreshments
- Theme Address Session : 12 noon onwards (5 presentations)
- Lunch
- Technical Session from 2:30 pm onwards ( 7 presentations)
- Valedictory Session
- Programme concludes with Afternoon tea

### Day-2

- Morning refreshments
- Technical Session: 3 ( focus on ..... ) from 11:50 am onwards
- Lunch at 1:50 pm
- Technical Session : 4 : presentations by students and researchers from 2:40 pm onwards
- Valedictory Session at 3:45 pm
- Programme concludes by 4:15 pm with afternoon tea

## Registration:

Persons interested in participating in the event and paper presenters are required to on-line register themselves as delegates by providing the required information and payment of applicable delegate fees along with GST mentioned below. ([www.isrinfomedia.com](http://www.isrinfomedia.com))

CATEGORY	INDIAN DELEGATES	FOREIGN DELEGATES
Corporate/Industry Per Head	INR 15,000/- (+18%GST)	USD 500
Student	INR 7,500/- (+18%GST)	-
Academic Research Institute	INR 10,000/- (+18%GST)	-

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## Exhibition Details:

- Exhibition Stalls (10 x 10 SQM) are available at the conference venue for Rs. 1.5 Lakh + 18% GST / USD 3,000 each.
- The space will be provided along with panels for display of charts, posters and photographs.
- Exhibitors will be permitted two free delegates per stall.

## Contact Us:

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