

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. 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, abhishek@isrinfomedia.in, angan@isrinfomedia.in, sanjana@isrinfomedia.in

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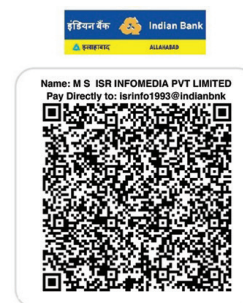
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5TH INDIAN STEEL & 2ND REFRACTORY CONFERENCE



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)

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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