




REFIS 4.0
2nd Edition

12-13
April

Bokaro Steel City
Jharkhand
India

2024

International Conference on
Refractories in Iron & Steel Industries

 http://bokarosteel.in/ref_con



 **Forging the future: Advancements in Refractories in the Iron and Steel Industry through Sustainable solutions and Nano Technology.**


Organized by:



बोकारो इस्पात संयंत्र
Bokaro Steel Plant


In association with



The Institution of Engineers (India)
(Bokaro Chapter)



Indian Ceramic Society
(Bokaro Chapter)



Introduction

BSL is going to organize 2nd Refractory conference with the objective of bringing together Iron & steel manufacturers, refractory manufacturers & users, distinguished academicians, scientists, researchers, technologists and scholars. The goal is to facilitate the sharing of experiences to address the evolving demands for refractories in the current scenario. It also explores the impact of Industry 4.0 on refractory practices, including process technology, advancements in installation techniques with specific focus on carbon footprint reduction. The integration of nanotechnology to enhance the performance and durability of refractory materials.

Theme

Forging the future: Advancements in Refractories in the Iron and Steel Industry through Sustainable solutions and Nano Technology.

BOKARO STEEL PLANT

Bokaro Steel Plant is unit of Steel Authority of India Ltd (SAIL). Bokaro Steel Plant was born as Bokaro Steel Ltd (BSL) with the signing of an agreement with then USSR in 1965. The plant was built with the maximum indigenous content amongst the then existent steel plants in India, earning the epithet for the first Swadeshi plant.

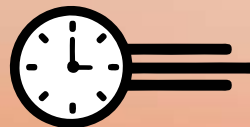
The Plant is designed to produce flat products like Hot Rolled Coils, Plates & Sheets, Cold Rolled Coils & Sheets and Galvanised Plain and Corrugated (GP/GC) sheets.

BOKARO STEEL CITY

Bokaro Steel City lies amidst natural beauty on the southern bank of river Damodar. The city is bordered by the high ranges of the Parasnath Hills on the north and the Satapur hillocks on the south.

Within a short period, a village deep within the jungles of Chhotanagpur named Maraphari turned into a new city with strong multi-dimensional economic base and blossomed into a regional urban centre of around 8.0 lakh people drawn from different parts of the country, giving the city the character of Mini India.

Timeline



Conference Dates

12-13th April'24

18th March' 24

Abstracts / Full-Text Paper Submission Deadline

23rd March' 24

Notification of Acceptance

30th March' 24

Final Paper Submission & Registration deadline



Programme Schedule

Day 1- Friday 12th April, 2024

TIME	PROGRAMME
08:30 – 09:00 am	Registration of delegates
09:00 – 11:00 am	Inaugural Session
11:00-11.30 am.	High-tea
11.30-12.00 noon	Exhibition Visit & Vendor Discussion
12: 00 - 01:30 pm	Plenary session
01:30-02.30 pm.	Lunch Break
02:30 – 05:00 pm	Technical Session-I A Technical Session-I B
07:30 pm onwards	Cultural Programme & Dinner

Day 2- Saturday 13th April, 2024

09:00 – 11:00 am	Technical Session-II A Technical Session-II B
11:00-11.15 am.	Tea-Break
11:15-01:30 pm.	Technical Session-III A Technical Session-III B
01:30-02:30 pm	Lunch Break
02:30 – 03:30 pm	Valedictory Session

Scope of Subjects

- Alumina-Silicon Carbide-Carbon and Alumina-Carbon bricks for Torpedo & Transfer Ladles
- Monolithic refractory materials and its usage
- Development of refractory material and maintenance practices for BOF
- Basic Refractory Materials for Steel Ladles Development & Improvement
- Refractories and maintenance practices for Blast Furnaces
- Latest Refractories and maintenance practices for Reheating furnaces
- Efficient waste refractory management
- Improving Carbon Rating through proper use of refractory
- Use of Nano Technology in Refractories

Call for Papers

Technical papers are invited for presentation in the conference. Authors are requested to submit the abstract of about 200 words through email at refis4.0bsl@gmail.com after registration. Selected peer reviewed papers shall be published in National / International Journals.

Registration

The intending participants may register by filling up the registration form online at http://bokarosteel.in/ref_con. The registration charges are Rs. 11800 (Including GST) for Indian Delegates and \$200 for Foreign Delegates (per delegate).

The registration fee for the Conference will cover participation in Technical Sessions, Conference Proceedings in Pen drive, printed materials, Conference kit, Lunch, tea/coffee, Conference banquet, etc.

For students who are participating, the registration fee is Rs 590.00, inclusive of GST. Furthermore, complimentary lodging (hostel accommodation) and meals will be provided for the student during their stay in Bokaro Steel City.

Sponsorships

The conference will be supported by a good number of sponsors, including manufacturers, research organizations & other industries. Sponsors will get wide publicity during the conference through display of banners, mentions in the Conference events, proceedings, souvenir & other media. Reputed companies / organizations & Industries are invited to join the international event as sponsors. The details regarding various sponsorships are given below:

Category	Amt (Rs. In Lakh) Including GST	Free Delegates
PLATINUM	11.8	5
DIAMOND	9.44	4
GOLD	7.08	3
SILVER	4.72	2

Advertisements

Advertisement for the Souvenir can be booked as per the following rates (Including GST) :-

Category	Color	Black & White
Front or back inside cover :	1,18,000/	
Full page	59,000/-	47,200/-
Half page	47,200/-	35,400/-

Note: Soft copy of the advertisement material will be provided by 30 March, 2024.

Exhibition Stall

Charge per stall will be ₹ 1,18,000 (Including GST) with two free delegates (for Exhibition purpose only).

One free stall will be provided to our platinum / diamond /gold/ silver sponsors

Payment Details

All payments related to Registration of Delegates, Sponsorship, Advertisement, etc. can/may be done through crossed Demand Draft / Cheque payable at par, drawn in favour of "The Institution of Engineers (India) Bokaro Steel City Local Centre" payable at Bokaro Steel City, or online transfer. (Note- All mentioned amounts are including GST)

Money can also be directly transferred to Account as given below:-

A/C Name **The Institution of Engineers (India) Bokaro Steel City Local Centre**

A/C No. 26250100004508

Bank **BANK OF BARODA, BOKARO ST PL BRANCH, BOKARO STEEL CITY - 827004**

IFSC Code : BARBOBOKAEC MICR No. : 827012003

SWIFT Code : BARBINBBJAN GST No. : 20AAATT3439Q3Z6

The conference solicits contributions of abstracts, papers and e-posters that address themes and topics of the conference, including figures, tables and references of novel research materials.

Travel & Accommodation

Direct train services from New Delhi, Kolkata, Mumbai & Chennai are available to Bokaro. It is located centrally between three major cities- Ranchi, Jamshedpur and Dhanbad – all of which are well connected by road and railway. The nearest airport is located at Ranchi & Durgapur (WB) which is around 3 hrs by rail/road from Bokaro. The nearest international airport is at Kolkata.

Both luxury and economy category hotels are available in Bokaro that are located within 2-5 km from the Conference venue. Limited accommodation is also available at our guest house. The delegates attending the Conference are advised to book their accommodation directly in the telephone numbers listed below. The organizers will provide help in case delegates find difficulty in booking accommodation.

Hotels at Bokaro Steel City

Morpho Bokaro, Sec-1	+91-9771475415
Classic Hotel, City Centre	+91-9234120021
Hotel West Inn, Naya More	+91-8797707771
Blue Diamond, Naya More	+91(6542)240199
Aadditayaa International, City Centre	+91(6542)233641
Reliance Hotel, Naya More	+91-7004827404
Hotel Ananda , City Centre	+91(6542)232090
Hotel Hilltop, City Centre	+91-7061502190
Hotel Veena Regency, Chas	+91-97714 75412
Hotel Yuvraj Regency	+91-6542231434
Hotel Prabhat, CHAS.....	+91-9234274703
Hotel Golden Residency	+9182102 66525



Organizing Committee

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Shri Prasanna Kumar Rath

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ED (P&A) SAIL/BSL

Shri Joydeep Dasgupta

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