

REFIS 4.0

**International Conference on
Refractories in Steel Industries**

**23-24
September**

**Bokaro Steel City
Jharkhand
India**

2022



Organized by:



BOKARO STEEL PLANT



In association with



IIM
Metallurgy
Materials Engineering

**The Indian Institute of Metals
Bokaro Chapter**



Indian Ceramic Society



Introduction

The Conference aims to bring together Iron & Steel Industry, Manufacturer of Refractories, Leading academic scientists, Researchers and Research scholars to exchange and share their experiences and research results on all aspects of Refractories used in Iron and Steel Industry. It also provides a premier interdisciplinary platform for researchers, practitioners and educators to present and discuss the most recent innovations, trends, and concerns as well as practical challenges encountered and solutions adopted in the fields of Refractories during the current changing global scenario of Refractories and Raw materials.

Theme

The theme of the conference is **"Future of Refractories in Iron and Steel Industry."** It further expands to how Industry 4.0 has affected the refractory industry in monolithic manufacturing and installation techniques, new developments in refractory formulations and use of nanotechnology in the field of refractories.

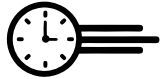
BOKARO STEEL PLANT

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, Tin Mill Black Plates (TMBP) 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 Satanpur 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



25th Aug' 22

Abstracts / Full-Text Paper Submission Deadline

1st Sep' 22

Notification of Acceptance

5th Sept' 22

Final Paper Submission & Registration deadline

Conference Dates

23-24th Sept'22

Programme Schedule

Day 1- Friday 23rd Sep. 2022

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- Friday 24th Sep. 2022

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
03:30 – 05:00 pm	Plant Visit (Optional)

Scope of Subjects

- Future of refractories in Iron & Steel Industries
- Latest development in Installation Techniques and Manufacturing of Refractories
- Latest development in Monolithic Technology
- Raw Materials (Refractory) : Issues and challenges
- Refractory Characterization and Testing
- Refractory Technology and Techniques for Energy Savings
- Safety, Environmental Issues and Recycling
- Latest Technology in Refractory Castables.
- Advanced technological solutions for Quality & Reliability
- Modelling & digitalization of refractories and their usage.
- Application of models in industrial practice to develop refractory solutions.
- Use of Nano-technology in refractories for steel industry
- Use of Artificial Intelligence, Machine Learning and Big Data in Refractory Technology
- Any other relevant topic

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.Obstl@gmail.com, refis@sailbokaro.in 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 www.refis.sailbokaro.in. The registration charges are Rs. 5000 for Indian Delegates and \$100 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.

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)	Free Delegates
PLATINUM	10	5
DIAMOND	8	4
GOLD	6	3
SILVER	4	2

Advertisements

Advertisement for the Souvenir can be booked as per the following rates:-

Category	Color	Black & White
Front or back inside cover :	1,00,000/-	
Full page	50,000/-	40,000/-
Half page	40,000/-	30,000/-

Note: Soft copy of the advertisement material will be provided by Sept 05, 2022.

Exhibition Stall

Charge per stall will be ₹ 1,00,000 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 "Indian Institute of Metals, Bokaro Chapter" payable at Bokaro Steel City, or online transfer. (Note- All mentioned amounts are excluding GST)

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

A/C Name **Indian Institute of Metals, Bokaro Chapter**

A/C No. 02430100006324

Bank **UCO BANK**, B-13, City Centre, Sec-4,
Bokaro Steel City, Jharkhand- 827004

IFSC Code : UCBA0000243 MICR No. : 827028002

SWIFT Code : UCBAINBB/08 GST No. 20AAATT3359D1ZW

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

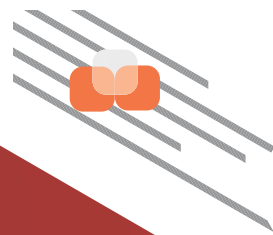
Direct train services from New Delhi, Kolkata, Mumbai & Chennai

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(6542)240898
Classic Hotel, City Centre	+91-(6542)233163
Hotel West Inn, Naya More	+91-8797707771
Blue Diamond, Naya More	+91(6542)240199
Additayaa International, City Centre	+91(6542)233641
Reliance Hotel, Naya More	+91(6542)224848
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



Organizing Committee

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CONVENER

Shri Sandeep S Lall

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