



ISIEES-2025

International Conference on Iron & Steel Industry "Enhancing Efficiency & Sustainability"

11-12 November, 2025
MECON, Ranchi



Organised by



The Institution of Engineers (India)

Jharkhand State Centre

Under the aegis of

METALLURGICAL & MATERIALS ENGINEERING DIVISION BOARD

In Association With



MECON Limited
Ranchi

Supported by



सत्यमेव जयते

इस्पात मंत्रालय
**MINISTRY OF
STEEL**

About The Institution of Engineers (India)

The Institution of Engineers (India) or IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest. IEI has membership strength of above 2.6 Lakh. Established in 1920, with its headquarter Kolkata, IEI has served the engineering fraternity close to a century. During this period of time, IEI has been inextricably linked with the history of modern-day engineering.

In 1935, IEI was incorporated by Royal Charter and remains the only professional body in India which has been accorded this honour. Today, its quest for professional excellence has given it a place of pride in almost every prestigious and relevant organization across the globe. It provides a vast array of technical, professional and supporting services to the Government, Industries, Academia and the Engineering fraternity, operating through its 124 Centres located across the country and 6 overseas chapters. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Being recognized as a Scientific and Research Organisation (SIRO) by the Department of Scientific and Industrial Research, Ministry of Science and Technology, Government of India, IEI promotes the cause of research and development by providing Grant-in-Aid support to undergraduate, post graduate students and PhD Research Scholars of Engineering Institutions and Universities. IEI has been recognized as Scientific and Industrial Research Organization (SIRO) by the Ministry of Science & Technology, Government of India and besides conducting its' own research, provides Grant-in-Aid to UG/PG/PhD students of Engineering institutes and Universities. IEI holds the International Professional Engineers (IntPE) Register for India under the global International Professional Engineers Alliance (IntPEA). The institution also awards the Professional Engineers (PE) Certification.

IEI in collaboration with Springer regularly publishes peer-reviewed international journal in five series, namely, Series A, Series B, Series C, Series D and Series E covering fifteen engineering disciplines.

About Jharkhand State Centre

The Ranchi Sub-Centre of The Institution of Engineers (India) founded on 23rd July 1961 and over the years, the sub-centre was upgraded to Local Centre on 5th August 1983 and elevated to State Centre on 30th March 2001 after the creation of Jharkhand State. This centre was always striven to increase its various activities so as to cater fully the needs of the engineering fraternity at Ranchi. This centre has been actively engaged in articulating various technical matters, and on the engineer's role in society and as managers. In addition to various technical activities, this centre has been actively associated in organizing cultural programmes by the wives of the members (EWA) to inculcate bond among members and their families. All Statutory Days such as Engineers day, World Water Day, World Telecommunication and Information Society Day, World Environment Day, etc. are celebrated every year with family members.

Jharkhand State Centre has been designated as 'A' category centre by The Institution of Engineers (India) with around 6000 corporate members and 7500 student members. This centre has been adjudged as 'Best Centre' for All Round Performance in the years 2007-08, 2008-09, 2010-11, 2015-16, 2016-17 and 2017-18 by The Institution of Engineers (India). Jharkhand State Centre has received All India Beat Technician Chapter Award for last four years in a row i.e. 2016-17, 2017-18, 2018-19 and 2019-20.

For more details please visit: www.ieijscjharkhand.org

About MECON Limited

MECON LIMITED, established as CEDB in 1959, is India's frontline Design, Engineering, Consultancy and Contracting organization, offering full range of services required for setting up of Greenfield as well as Brownfield Projects from Concept to Commissioning including EPC Execution. MECON having Pan India network of offices, is a multi-disciplinary organization with experienced & dedicated Engineers, Scientists and Technologists. In its over six decades of operations, MECON has to its credit over 4,000 Consultancy and EPC assignments for variety of projects for various Clients in India and Abroad. MECON has played a pivotal role in the development and expansion of Indian Iron & Steel industry. MECON, an ISO9001:2015 certified company, has numerous technological tie-ups with leading organisations across the globe in various fields.

Themes and Sub-Themes

India's crude steel production marked 200 Mt capacity in FY 2024-25 witnessing growth of over 10% CAGR in past five years. Finished steel consumption grew even at faster pace with over 12% CAGR for the same duration. The steel consumption is led by robust demand in construction & infrastructure, automotive and white goods. This momentum is sustainable and realisation of 300 Mt capacity in the country by 2030-31 as envisaged in National Steel Policy appears to be very much realistic. This demand driven growth fuelled by make in India initiatives by the Govt. of India has led to massive expansion plan across sector.

It is, therefore, most opportune time to address issues pertaining to steel sector. Indian steel industry is uniquely balanced as about 50% production is contributed by small and medium players and thereby able to cater the need of diverse consumers domestically. It is need of the hour to increase production not only through capacity addition but also through enhancing efficiency in existing plants. Besides efficiency and quality, environmental concerns especially carbon reduction is taking centre stage and poses threat to sustainability of the industry. Adequate availability of good quality iron ore remains as basic issue to be addressed. Further, there is need for critical analysis of rising import in past few years, particularly steel products required for downstream processing by SSIs despite having domestic production capacity.

In view of the foregoing, a two day international conference has been organised to focus on tools and means available for enhancing efficiency and achieving sustainability. Additionally, a unique session has been planned titled as "Synergy for Atmanirbharta" to bring the larger players and SSIs together to understand and address each other's need. This synergy creation is very much essential for both sides and will directly address the rising import issue in the country. Primary producers will get widened domestic market and other producers will be able to ensure availability of required input material of desired quality.

Each day of the conference has focused sub-themes as mentioned below.

Focus on Enhancing efficiency (Mining to finished product)

- AI as tool for improving efficiency
- New dimensions in Automation
- Steel plant technology advancements

Focus on Achieving Sustainability

- Decarbonisation in existing plant
- New technologies for carbon reduction
- Exploring hydrogen usage in steel sector
- Quality production in SSIs

Synergy for Atmanirbharta – offering from major players and need of SSIs

As an extended support to SSIs, a voluntary session to provide advisory services for greenfield/ brown field expansion projects and briefing on schemes of Ministry of Steel for SSIs has also been scheduled at the end of conference.

Call for Papers

Interested Participants may like to contribute technical/ research papers and case studies detailing concept, innovation, idea or practical experiences for power point presentation as well as technical paper for publication in conference proceedings cum souvenir. Each paper should begin with a synopsis of about 200 words and preferably within 3000 words excluding figures, tables and references. A brief bio-data (not more than half a page, affixing a photo) of the author(s) should accompany the paper.

Important Date

Registration open :	10th September, 2025
Last date of abstract submission :	15th October, 2025
Acceptance :	20th October, 2025
Receipt of Full paper :	30th October, 2025

Proceedings-cum-Souvenir

The invited presentations and technical papers will be published alongwith advertisements from various manufacturers, service providers, and technology suppliers. Papers will be included in the Proceedings, only when it is presented and the Registration Fee is paid in time. The language of the Conference is English. Papers will be published in the Proceedings-cum-Souvenir Volume in English. If requested by participants, an official invitation letter would be organized by Institute of Engineers for foreign participants.

Program Details

Day -1 (Focus-Efficiency)		Day -2 (Focus-Sustainability)	
Time	Session	Time	Session
9:00 am – 10:00 am	Inauguration	9:00 am – 10:00 am	Session 6: Sustainability through reduction in carbon emission & CCUS
10:00 am - 10:30 am	Exhibition visit	10:00 am – 10:30 am	Sustainability Round table/ Panel discussion
10:30 am – 11:00 am	High Tea	10:30 am – 11:00 am	Tea Break
11:00 am – 12:00 pm	Session 1 : Adoption of Artificial Intelligence in Iron & Steel	11:00 am – 12:00 pm	Session 7 : Exploring options through hydrogen and other possibilities
12:00 am – 1:00 pm	Session 2 : Advance automation in beneficiation, agglomeration and Iron & Steel making	11:00 am – 1:00 pm	Session 8 : Sustainability through Quality
1:00 pm – 2:00 pm	Lunch Break	1:00 pm – 2:00 pm	Valedictory
2:00 pm - 3:15 pm	Session 3 : Enhancing Efficiency though technological advancements in raw material to Ironmaking	2:00 pm – 3:30 pm	Lunch
3:15 pm – 4:15 pm	Session 4 : : Enhancing Efficiency though technological advancements in Steelmaking to Finishing of steel products	Advisory services for Secondary Steel Industry	
4:15 pm – 4:30 pm	Tea Break	3:30 pm – 4:30 pm	Presentation on Scheme of Ministry of Steel for Secondary Steel Industry
4:30 pm – 5:30 pm	Session 5 : Creating Synergy through Atmanirbharta – SSI perspective	4:30 pm – 5:30 pm	Open session for Interaction with experts from MECON for advisory on greenfield/ brownfield expansion projects
7:00 pm onwards	Dinner & Cultural Program		

Registration

The Registration fee for the Seminar will cover participation in Technical Sessions, Seminar Proceedings, Printed materials, Seminar kit, Lunch, Tea/coffee, Seminar Banquet, etc

Category of Delegate	Delegate
Delegates from Academia/Institutes	Rs. 10000 + 18% GST
Delegates from Industries	Rs. 15000 + 18% GST
Research Scholars and Students	Rs. 5000 + 18% GST

Advertisement Tariff

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BACK COVER	₹ 1,20,000 + 5% GST
BACK OVER INSIDE	₹ 75,000 + 5% GST
FULL COLOUR PAGE	₹ 25,000 + 5% GST

Sponsorship

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Rs. 1,000,000/- or USD 12,000 + 18% GST	Rs. 700,000/- or USD 8,500 + 18% GST	Rs. 500,000/- or USD 6,000 + 18% GST
Stall – 2 Nos. Delegates – 8 Nos. Presentation time : 30 Min. Logo in Banner and all published material	Stall – 1 Nos. Delegates – 5 Nos. Presentation time : 20 Min. Logo in Banner and all published material	Stall – 50 % discount Delegates – 3 Nos. Presentation time : 10 Min. Logo in Banner and all published material

Lunch Sponsor – 2 Nos.	Dinner Sponsor	Tea/Hi-Tea Sponsors
Rs. 400,000/- or USD 5000 + 18% GST	Rs. 700,000/- or USD 8,500 + 18% GST	Rs. 200,000/- or USD 2,500 + 18% GST
Display during lunch and video will be showcased during lunch (10 Min.)	Display during lunch and video will be showcased during Dinner (15 Min.)	Display of Logo/Banner at the Venue

Exhibition

Exhibition	Rs. 100,000/- or USD 1200/- + 18% GST
	One stall – 3 mtr x 3 mtr

Account Details

"The Institution of Engineers (I), JSC", payable at Ranchi

Account Number : 480102050000259

Bank's Name : Union Bank of India

Branch : Shyamali Colony, Doranda, Ranchi

IFSC Code : UBIN0548014

Venue

The Convention will be held at MECON Community Hall, which is about 3 Km from Ranchi Airport and 2 Km from Ranchi Railway Station. Ranchi is connected to Delhi, Bombay, Bangalore and Kolkata by Air and all major cities by Rail. The climate is expected to be dry during October and temperature will be in the range of 20° C to 27°C.

National Advisory Committee

Chairman:	Er. Sanjay Kumar Verma, CMD, MECON Ltd. Er. V. B. Singh, President, IEI
Co-Chairman:	Er. K. K. Mehrotra, Chairman, MMDB, IEI,
Members:	Er. Sanjay Sen, Council member, IEI Shri Mukesh Kumar, Director (F), MECON Ltd. Er. Amit Raj, Director (T), MECON Ltd. Er. Jayant Kumar Jha, Director (C), MECON Ltd. Er. U. K. Vishwakarma, Executive Director, MECON Ltd. Er. Sajal Bhattacharyajee, Executive Director, MECON Ltd. Er. V. K. Jha, Executive Director, MECON Ltd. Er. K. K. Mishra, Executive Director, MECON Ltd. Er. R. K. Dutta, Executive Director, MECON Ltd. Er. Kumud Ranjan, CGM & CTO, MECON Ltd. Dr. Golap Mohammad Choudhary, Member, MMDB, IEI Er. Manda Rajananda Kumar, FIE, IEI

Organising Committee

Chairman:	Er. Pradumn Kumar Dixit, FIE & Director (P), MECON Ltd Er. M. K. Gupta, FIE, IEI, JSC
Co-Chairman:	Er. Nisheeth Kumar, Sr. GM (RM), MECON Ltd.
Hony. Secretary:	Er. Harun Ansari, MIE, IEI, JSC
Org. Secretary:	Er. Karmveer Pratap Singh, MIE, IEI, JSC
Members:	Er. Sundeeep Sinha, CGM (Marketing) Er. R.S. Raman, CGM (Structural) Er. P.K. Behera, CGM (Metals) Er. Sanjay Kumar, CGM (P&MH) Er. Rajeev Khillan, CGM (Banglore) Er. Sharat Chandra Choudhary, CGM (Bokaro) Er. S. Brahma, CGM (IMD, Refractories & Mining) Dr. R. Agrawal, CGM (HR) Er. M.M. Dasgupta, CGM (Mgmt. Services & IT Services) Er. A. Rajasekaran, CGM (Env. Engg) Er. U.K. Mishra, CGM (MAS) Er. B.K. Parida, CGM Civil, Arch. & Infra) Er. Rakesh Prasad Kumar, CGM (CMD Secretarial) Er. Bibhakar Jha, CGM (Electrical) Er. Amit Gangal, CGM (FSPD) Er. S. Yogish, CGM (Projects)

Technical Committee

Er. K. K. Mishra, Executive Director (Chairman)
Er. B. M. Sengupta, Sr. GM I/c (Convenor)
Er., A. K. Bairagi Sr. GM I/c (I & PC)
Er. P. P. Roy, Sr. GM I/c (NMDC Project)

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