



All India Seminar on Advancement in Steel Making & Rolling Technology: Smart Initiative for Special Steel

SMART 2020 March 21-22, 2020 | Engineer Bhawan, Doranda, Ranchi



Organised by



The Institution of Engineers (India)

Jharkhand State Centre

Under the aegis of Metallurgical & Materials Engineering Division, IET

In Association With



MECON LIMITED



Centre for Engineering & Technology

The Seminar

The Institution of Engineers (India), Jharkhand State Centre, Ranchi is planning to organise a two days All India Seminar under the aegis of Metallurgical & Materials Engineering Division of The Institution of Engineers (India) on, **Advancement in Steel Making & Rolling Technology: Smart Initiative for Special Steel** during **March 21-22, 2020**

About the Institution of Engineers (India)

As India embarked on its industrial development, the status of engineering profession became a matter of high importance and it received prominence in the report of the 'Industrial Commission 1916-18'. The chairman of the commission endeavoured to advance an industrial society of India and strengthen the engineering profession and a committee was formed for the formation of the proposed 'The Indian Society of Engineers' on 3rd January 1919. The Memorandum of Association, Articles and Bye Laws were formulated and the name of the Society was changed to 'The Institution of Engineers (India)'. The Institution was incorporated in the Presidency of Madras under Indian Companies Act - 1913. The Institution of Engineers (India) was formally inaugurated on 23rd Feb 1921 by His Excellence Lord Chelmsford, the then Viceroy of India. The Royal Charter of incorporation was granted to The Institution of Engineer (India) on 9th Sept. 1935 by His Majesty the King- Emperor, the George Fifth. The Bye Laws were made under the Royal Chapter and approved by the Privy Council on 21st Oct. 1937. At present, IEI is the largest multidisciplinary professional body that encompasses 15 engineering disciplines and gives engineers a global platform for sharing professional interest with its headquarters at 8 Gokhale Road, Kolkata-700020. IEI has been serving the engineering fraternity since last 100 years and this year is being celebrated as the Centenary Year.

Membership: The Institution of Engineers (India) confers memberships in various classes according to their qualifications as given in the Bye Laws. It has presently a membership strength of over 2 lakhs engineers and 2.5 lakhs engineering students. There are several categories of membership, such as Fellow (FIE), Member (MIE), Associate Member (AMIE), Student Technician (ST), Technician (T) etc. IEI also grants Professional Engineers (PE) certificates to the experienced engineers. Besides, IEI has bilateral agreements with about 31 international bodies and membership of another 8 international bodies of the developed nations across the globe.

Education: The Institution of Engineers (India) conducts Sections A & B Examination in different engineering disciplines since 1928, the successful completion of which is recognised as equivalent to degree by the Ministry of Human Resources Development. The Institution of Engineers (India) was the only Accreditation body in the country before the formation of AICTE in 1987. Being recognized as a Scientific and Industrial 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.

Technical Activities: The technical activities such as All India Seminars, National Conventions, Workshops, Technical talks, etc. are carried out through fifteen Engineering Division Boards. Several Journals, Technical Papers, IEI News etc are the regular publications. 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 123 Centres located across the country and 6 overseas chapters.

The Institution of Engineers (India), Jharkhand State Centre

The Ranchi Sub Centre of The Institution of Engineers (India) was founded on 23rd July 1961 and over the years, the Sub Centre was upgraded to Local Centre on the 5th August 1983 and elevated to State Centre on 30th March 2001 after the creation of Jharkhand State. This Centre has 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 organising 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.

From a little hut to a campus with a three storied building, two-conference halls, each capable of seating 100 people, office, library, guest house and an auditorium for 300 people, 3 class rooms for continuous education has been an impressive journey. This has been possible only due to the dedicated contributions of esteemed members, State Government, Public Sector Undertakings and Private Sector Organisations.

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 by The Institution of Engineers (India). In addition to Best Centre Award for All Round Performance in the year 2016-17, this Centre has been chosen for another two prestigious awards, namely 'All India Best Technician Chapter Award' and All India Best Centre Award for Technical Activities'.

For more details please visit: www.ieijscjharkhand.org

Theme of the Seminar

Aiming at a target of 300MT by 2030 as laid down in the National Steel Policy (NSP-2017) by GOI, Indian steel industry is on the verge of major propulsion with many green and brown field projects adding to the cumulative steelmaking capacity. Moreover, stress is ever increasing on clean & value added steel and import substitution vis-a-vis growing impact of stringent environmental norms. Thus, the steel supply chain right from beneficiation of ore to steelmaking followed by rolling and ending with the finished product has seen major transformations both in terms of process as well as technology. Reduction in specific consumption of resources, increase in yield, reduction in defects and rejects, achieving stringent product quality norms and last but not the least increasing productivity at each stage of the supply chain have gained importance as never before. These guidelines demand that resources, namely man and machinery, stay attuned with latest innovations and developments in various fields of primary steel making, secondary refining, continuous casting, inclusion engineering, process modelling/simulation, special steel making and hot and cold rolling of long and flat products etc. With increasing demand for automobile grade steels, electrical steels, defence grade steels, steels for nuclear plants to name a few, the Indian Steel industry is facing a sea of challenges with potential to turn them into opportunities.

To meet these challenges, it is required to update with latest innovations in emerging fields like thin slab casting & direct rolling, endless strip production technology, pickling line & tandem cold rolling, continuous annealing & galvanizing lines, coating lines.

In view of the above, it is proposed to organise an All India Seminar on "Advancement in Steel Making & Rolling Technology – SMART 2020" with the theme: New & Green Technologies for Special Steel.

Sub-Themes

Some of the broad areas which may be covered in technical sessions are:

1. Advances in Pre-treatment of hot metals, BOF and EAF steel Making.
2. Green & Energy Efficient steel making technology.
3. Advances in Automation, Process modelling & controls in steel making & Rolling mills
4. Third Generation Advanced high strength steel (AHSS) particularly for automotive application: Processing routes & properties

5. Emerging energy efficient & environment friendly rolling technologies.
6. Development in Rail mill & rail welding technology.
7. Development in Seam less steel tube making and pipe manufacturing technologies for oil & gas.
8. Advances in steel processing lines
9. Development in product packaging of finished rolled products.
10. Advancements in Hydraulic & Lubrication

Call For Papers

Engineers, scientists, academicians and practitioners are invited to present papers in line with the theme of the Seminar. Prospective contributors are requested to submit abstract of their paper in about 250 words to the Convenor in soft copy latest by March 07, 2020. Contributors of the selected papers would be requested to submit manuscript of the full paper latest by March 15, 2020. Format of the paper shall be intimated to the authors separately.

The seminar will endeavour to give preference to papers, which deal with new advancements and developments in the aforesaid areas. All papers shall be subjected to review by a Technical Committee and shall be published in the Seminar Proceedings.

Important Dates

The seminar will endeavour to give preference to papers, which deal with new advancements and developments in the aforesaid areas. All papers shall be subjected to review by a Technical Committee and shall be published in the Seminar Proceedings.

Receipt of abstract : March 02, 2020
 Submission of full manuscript : March 12, 2020

Souvenir & Advertisement

A Souvenir, containing Seminar details and informative articles shall be released during the Seminar, and will be provided to each registered delegate. Advertisements for the Souvenir can be booked at the following rates:

CATEGORIES	Indian Rupees	CATEGORIES	Indian Rupees
Back Cover (Colour)	₹ 50,000 + 5% GST	Inside Full Page (Colour)	₹ 25,000 + 5% GST
Front & Back Cover inside (Colour)	₹ 35,000 + 5% GST	Inside Full Page (B/W)	₹ 20,000 + 5% GST
Inside Half Page (B/W)	₹ 15,000 + 5% GST		

Applicable @ 5 % GST shall be extra. Soft copy of the advertisement material is to be provided to the Organising Secretariat latest by March 12, 2020.

Support

Reputed Companies, Organisations and Trade Associations are invited to join this event to support the Seminar. The details regarding various categories are given below:

CATEGORY	CHARGE (Rs)	FREE FACILITIES			
		Delegates	Printing of Company Logo	Ad in Souvenir	Banner
Platinum	2,00,000 + GST	6	Backdrop & proceedings	Full page Colour	2
Gold	1,50,000 + GST	4	Backdrop & proceedings	Full page B&W	1
Silver	1,00,000 + GST	2	Backdrop & proceedings	Half page B&W	1
Kit (Co-sponsor)	1,00,000 + GST	2	On kit	Half page B&W	-

Applicable @ 18% GST shall be extra.

Seminar Registration Fee

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	IE/ TSI Member
Sponsored Delegates (Organisational)	Rs 5,000/- + GST
Individual Delegates	Rs 3, 000/- + GST
IE(I) Corporate Members & Students	Rs 1,500/ - + GST

Additional @ 18% GST will be applicable.

Manufacture Presentation

Manufactures of different construction products will be given an opportunity to highlight their products for which a slot of 15 minutes will be provided at a nominal contribution of Rs. 1,00,000 + 18% GST. Four delegate will be free.

Payment

All payments are to be made through Bank Draft / A/c Payee Cheque, drawn in favour of "The Institution of Engineers (India), Jharkhand State Centre", payable at any of the schedule banks at Ranchi. Online transfer details:

Bank Name: Union Bank of India A/c No: 480102050000259

IFSC: UBIN0548014

Branch: Shyamali Branch PAN: AAATT3439Q

GSTIN : 20AAATT3439Q2Z7

About Ranchi

Ranchi is the capital of state of Jharkhand, which is endowed with rich iron ore and coal deposits. With its rich mineral resources and industrial base, Ranchi is rapidly developing into an important industrial sector in India. The city is surrounded by thick forests and beautiful natural waterfalls and still unspoilt by modern commercialism. Ranchi is located in eastern part of India, around 400 km from Kolkata. It has very pleasant and cold climate throughout the year and the temperature in December may vary between +10°C and +20°C.

Travel

Domestic airlines operate between Ranchi and other major cities of India such as New Delhi, Mumbai, Kolkata, Bengaluru, Hyderabad, Raipur, Bhubneshwar and Patna. Ranchi is also well connected by rail and road with all major cities of the country, namely Bengaluru, Bhubaneshwar, Chennai, Hyderabad, Jamshedpur, Jaipur, Kolkata, Mumbai, Nagpur, Patna, Raipur, New Delhi, Vishakhapatnam, etc.

Accommodation

Ranchi offers a wide range of accommodation to suit every budget. Both economy and luxury class hotels are located within 5 km from the directly or through Seminar Venue. Delegates are requested to book the accommodation in advance to get preferred choice.

National Advisory Committee

Chairman: Mr. Narendra Singh, FIE

Co-Chairman: Prof. (Dr.) N R Bandyopadhyay, FIE

Co-ordinator: Mr Siyaranjan Kumar Singh, FIE

Members:

Mr. K K Mehrotra

Mr A K Saxena

Mr Shivanand Roy

Mr Ashish Gupta

Mr. V K Parthasarathi

Advisory Committee

Patron in Chief : Mr Atul Bhatt, CMD, MECON, Ranchi

Patron : Mr P. K. Sarangi, Director (Technical), MECON, Ranchi

Mr Salil Kumar, Director (Projects), MECON, Ranchi

Mr R.H. Juneja, Director (Finance), MECON, Ranchi

Mr S.K. Verma, Director (Commercial), MECON, Ranchi

Mr Jagdish Arora, ED, CET-SAIL, Ranchi

Steering Committee

Chairman : Mr Siyaranjan Kumar Singh, FIE, Chairman, IEI, JSC

Convenor: Mr. Ajay Kumar, FIE, CGM, CET, SAIL

Secretary : Mr Jitendra Kumar, FIE, Honorary Secretary, IEI, JSC

Members : Mr M R Kumar, FIE, Imm. Past Secretary, IEI, JSC

Mr Ashish Gupta, FIE

Mr S C Roy, FIE

Organising Committee

Chairman : Mr. Neeraj Kumar, Chief General Manager (RM), MECON

Co-Chairman : Mr. D. K. Ambastha, Chief General Manager (SMS), MECON

Organising Secretary : Mr Nisheeth Kumar, GM (RM), MECON

Members : Mr A. Srinivas, GM(RM), MECON

Mr L. Sahu, GM(RM), MECON

Mr Bikas Pandey, DGM(SMS), MECON

Mr A.R. Sinha, Sr. Mgr(RM), MECON

Technical Committee

Chairman : Mr M. Saini, GM I/c (RM), MECON

Co-Chairman : Mr P.K. Behera, GM I/c (SMS), MECON

Members : Mr S.K.Singh, GM (RM), MECON

Mr R. Khillan, GM(RM), MECON

Mr P. Mukherjee, GM (SMS), MECON

Mr S. Dhali, GM(SMS), MECON

Mr Ashish Kumar Gupta, AGM (Project), MECON

Address for Correspondence

Mr. Jitendra Kumar

Honorary Secretary, IEI, JSC

Engineers Bhawan, Nepal Kothi Campus,

Doranda, Ranchi 834002, India

Phone: 0651-2491344

E-mail : jharkhandsc@ieindia.org

Mr. Nisheeth Kumar

General Manger (Rolling Mills)

MECON LIMITED

Doranda, Ranchi, Jharkhand - 834002

Ph No.: 09470590352

Email : nisheeth@meconlimited.co.in



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Advancement in Steel Making & Rolling Technology: Smart Initiative for Special Steel



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Registration Form

(Please use separate form for each delegate. Copy of this form may be used)

Name

Designation

Organisation

Mailing Address

Telephone

Fax

Email

Category Author Delegate

Fee of Rs Rupees

is paid by Cash/Draft/Cheque/Bank Transfer No.

Dated: on Bank.....

(Draft/Cheque should be in favour of
The Institution of Engineers (India), Jharkhand State Centre, payable at Ranchi)

Mailing Address:

Mr. Jitendra Kumar
Honorary Secretary, IEI, JSC
Engineers Bhawan, Nepal Kothi Campus,
Doranda, Ranchi 834002, India
Phone: 0651-2491344
E-mail : jharkhandsc@ieindia.org

Mr. Nisheeth Kumar
General Manger (Rolling Mills)
MECON LIMITED
Doranda, Ranchi
Jharkhand - 834002
Ph No.: 09470590352
Email : nisheeth@meconlimited.co.in



SMART 2020

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To,
Mr./Mrs. _____

Address for Correspondence

Mr. Jitendra Kumar
Honorary Secretary, IEI, JSC
Engineers Bhawan, Nepal Kothi Campus,
Doranda, Ranchi 834002, India
Phone: 0651-2491344
E-mail : jharkhandsc@ieindia.org

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