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12th International Exhibition & Conference on Minerals, Metals, Metallurgy & Materials

3 Days Conference on MINERALS AND METALS SECTOR-GROWTH PROSPECTS IN NEW BUSINESS ENVIRONMENT

29 - 312018 August

Pragati Maidan, New Delhi, INDIA



सत्यमेव जयते Ministry of Minor

Ministry of Mines Ministry of Earth Sciences Ministry of Earth Sciences Ministry of Micro Small & Medium Enterprises Department of Commerce Ministry of Heavy Industries and Public Enterprises Council of Scientific & Industrial Research GOVERNMENT OF INDIA

Co-Sponsored by

Organise

Supported by



A Step For ward the Industry *Confirmation Awaited

ABOUT METAL INDUSTRY

India became the 2nd largest crude steel producer in 2017, as large public and private sector players strengthen steel production capacity in view of rising demand. Total finished steel production in India has increased at a CAGR of 8.39 per cent during FY12–17, with country's steel production reaching to 111.254 million tonnes per annum (MTPA) in FY17. Steel manufacturing output of India is expected to increase to 128.6 MT by 2021, accelerating the country's share of global steel production from 5.4 per cent in 2017 to 7.7 per cent by 2021.

India's comparatively low per capita steel consumption and expected growth in consumption due to growing infrastructure construction, automobile and railways sectors has offered scope for growth

Domestic players' investments in expanding and upgrading manufacturing facilities are expected to reduce reliance on imports. In addition, the entry of international players would provide benefits in terms of capital resources, technical know how and more competitive industry dynamics.

About MMMM

MMMM is, by far, the largest and the most prestigious event on Minerals, Metals, Metallurgy & Materials with presence of a large number of leading companies of Mining, Metals and Materials industries. The event has always received worldwide appreciation from all over the industry and proved to be the best international business platform in India. The event is sponsored by The Indian Institute of Metals – Delhi Chapter (IIM-DC) and is being jointly organized by IIM-DC and International Trade & Exhibitions India Pvt. Ltd. (ITEI), the Indian subsidiary of ITE Group PLC (UK).

MMMM 2018 - A sneak preview

- Support from all major Ministries, trade associations of metal and allied industries.
- Expected presence of over 400 leading Exhibitors from 11+ countries.
- International Participation from China, Austria, Finland, France, Germany, Italy, Russia, Spain, UK & USA.
- A high level International conference.
- Concurrent Global Meet of World Metal Forum.
- International Business Networking Program (IBNP).
- Industry Excellence Awards.
- Investor Meet by International Chamber of Commerce.
- More than 27 invited International Trade Delegations from 7+ Countries.

A complete conclave of Policy Makers, CEOs, and Industry experts, Scientists, Academia and Engineers associated with Minerals, Metallurgical and Allied Industries.



HE EXHIBITION

Exhibitor Profile

Metal Manufacturer and Suppliers

- Aluminium
- Copper
- Pipes and Tubes
- Steel and Steel Structures
- Stainless Steel
- Zinc
- Wire
- Lead
- **Minerals**
- Mineral Developments Corporations
- Minerals Exploration Technology
- State Governments
- Handling & Processing
- Transportation and Logistics

Machinery & Technology for Mineral

Minina & Processina

- Communication System & Technology
- Conveyor Belting & Components
- Drilling and Crushing
- Earth Moving Equipment and accessories
- Environment & Geology and Mining **Related Services**

Fans and Dust Collectors

- Locomotives, Lubricants & Greases
- Mines Safety Equipment
- **Process Control Systems**
- **Rock Drilling Equipment**

Metallurgical Equipment's & Technology

- Foundry Machinery & Technology
- Welding Equipment & Technology
- Rolling Mill equipments

Machinery & Technology for Steel & Metal • Manufacturina

- Automation & Instrumentations
- **Energy Conservation**
- Engineering and Design
- Environment protection
- Filtration & Separation
- Induction Furnace and Heat Treatment
- Nano-Technologies

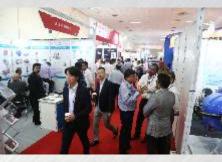
- Palletisation
- Project Management & Consultation
- Pumps & Valves
- Quality control
- Refractories
- Safety Equipment & Technology
- Scientific Research & Development
- Scrap Collecting and Recycling
- Sheet metal, tube, section (ferrous and nonferrous)
- Sintering
- Smelting and Refining
- Software technology

Metal Working Machinery & Technology

- Bearing & Shafts
- Cutting, Shaping, Bending & Welding
- Extrusion
- Finished products, components, assemblies
- Flexible sheet metal working
- Forging, Casting equipment and accessories
- Forming
- Foundry Engineering
- Furnace and Heat Treatment
- Gears, Motors & Compressors
- Joining, fastening
- Lapping Laser Claddina
- Lubricants
- Machine Tools and Dies
- Polishina
- Spray Painting Systems
- Surface Treatment & Corrosion Technology
- Tube / Section processing
- Vibrator De-burring Machines & Consumables

Material Handling Solutions

- **Cranes & Lifting Equipment**
- Hoists & Aerial Work Platform
- Industrial Trucks, Forklifts & Accessories
- Innovative Logistics Solutions
- Loading & Unloading Equipment
- **Robotic Systems & Automation**
- Warehouse Technology & Systems









Visitor Profile

Buying and Sourcing Mineral Processing

- Mineral Development Corporation
- Mineral Processina Units
- Public Sector Enterprises
- MSME and Private companies
- State Government Departments & agencies
- Contractors
- Scientific Research & Development Institutions

Ferrous and Non-ferrous metal production

Buying and Sourcing of Metal & Metal

Steel and Metal Manufacturers

Metal producing companies

Material testing agencies

Foundry Engineering Units

Casting, Forgings and Foundry

Electrical & Electronics Industry

Non-Ferrous Metals Production

Power Transmission and Distribution

Sheet Metal Products, Components

Steel & Aluminum Construction

Shipbuilding and Ship Repair Industry

Component Manufacturers

Consulting Service providers

Iron and Steel Production

Sheet Metal Fabricators

Tube and Pipe Sector

Water Supplier Sector

Working Machinery:

Aerospace & Defense

Allov manufacturers

plants and units

EPC Companies

Fabricators

OFMs

wedlows

Railwavs

Rolling Mills

Manufacturers







3 Days Conference on "Minerals and Metal and their Contribution to Organised by Make in India"



"International Business Networking Program"on Industrial Lubricants Furnaces & Heat

Treatment Rolling Mills pumps & Gears Transformers 14000 Sqm Gross Exhibition Area



Supported by **16 Industry Associations** and **70 Trade Media**



Invester Meet by Members of Pacific Alliance comprising of Chile, Peru, & Columbia

Co-sponsored by



सत्यमेव जयते

Ministry of Steel Ministry of Mines Ministry of Earth Sciences Ministry of External Affairs Ministry of Micro Small & Medium Enterprises Department of Commerce Ministry of Heavy Industries and Public Enterprises Council of Scientific & Industrial Research GOVERNMENT OF INDIA

7,087 Trade Visitors from 31 Countries 354 Leading Exhibitors from 11 Countries

Large Participation from China and Russia Global Technology Supplier Pavillion

Business Alliance Meet by URAL Chamber of Commerce & Industries









INAUGURAL SESSION

Address by Guest of Honor SHRI CHAUDHARY BIRENDER SINGH Union Minister for Steel, Govt, of India

Metal Industry Business Forum

Chaired by : Dr. Aruna Sharma Secretary, Ministry of Steel, Government of India

Moderate by : Dr. Sanak Mishra Secretary General & Executive Head Indian Steel Association

Role of Financial Institutions in shaping future of Metal Sector.

Existing Mineral Resources in India & Its Future Prospecting

- E-Auctioning of Mines
- Opportunities in the Mining Sector
- Exploration Scenario on Mineral & Mining Front
- Challenges and Opportunities in Minerals, Mining, Coal Sector
- Improvised Blasting Design in a Surface Coal Mine











Day-2 11th Aug. 2016

Present & Future of Non-Ferrous in India

- Additive Manufacturing in India Challenges
- Importance of R & D in Aluminum: World and Indian Scenario
- End Use Applications of Copper- Its Challenges and Opportunities
- Improvised Blasting Design in a Surface Coal Mine
- Latest advancement in Coke oven Battery design for reduced environmental impact.
- Economic & Industrial Potential of the Sverdlovsk region by Ural Chamber of Commerce & industry

Technology & Competitiveness of Indian Steel Sector with respect to Global Scenario

- Competitiveness of Indian Steel
- Journey of Tata Steel in Energy Efficiency
- Coal Injection in India The Myth is Broken
- Raw Material Security and Rising Imports
- Challenges in Installation of Basic Oxygen Furnaces (BOF)
- Focus on Industry 4.0 in the metals industry for digitalization of steel
 production

Effective Utilisation of Low Grade Mineral Resources

- Beneficiation Plant at Balaghat by Bateman for upgrading low
 grade manganese ore By jigging process
- Pelletisation and Beneficiation of Ores
- Trend Towards Increased adoption of pelletisation and its increasing use in large Bfs
- Role of Pellets in Effective Utilisation of low/medium grade iron ore
- Quality Requirement of Iron bearing burden for Large BFs in the context of SAIL (RDCIS)
- Reduced Sinter Production Costs-Mechanical and Process Solutions
- Presentation on Pellets by Essar Steel

Role of Infrastructure Sector to meet the Challenges of Metal Sector

- Dedicated Freight Corridor for movement of raw materials and finished goods East & West Rail Corridor
- Shipping & Port Development
- Road Infrastructure
- Infrastructure for Metals and Minerals
- Stainless steel End-Use Evolution in India





HE CONFERENCE

Day-3 12th Aug. 2016

Energy, Environment of Metal Sector/Super Alloys Industry in India

- Carbothermic reduction of black sand ilmenite to form Fe-TiC Composite
- Application of Robot Spraying Marking and Character Recognition System in High Temperature Metallurgical Field
- Paul Wurth's contribution in Efficient Iron Making with Proven Technologies
- High Strength Steels for Naval Application
- Coal Injection in India The Myth is Broken

VALEDICTORY SESSION

- Address by Chief Guest Mr. Vishnu Deo Sai, Hon'ble Minister of State for Steel
- Exhibitor Awards Program





















Day	Show Timing	No. of Visitors
Day 1	10 am - 6 pm	2,405
Day 2	10 am - 6 pm	2,727
Day 3	10 am - 6 pm	1,955
Total-7,087		

Rating the Exhibition



Key Sectors of Interest

- Aluminum Production
- Automation Technology
- **Base Metals Production**
- **Copper Production**
- **Energy Conservation**
- Ferro-Alloy
- Forging
- Foundry
- Furnaces
- Heat Treatment
- Instrumentation
- Iron & Steel Making
- Machine Tools

- Factors which influenced their visit
- Opportunity to buy new products
- Variety of products on display
- Networking Opportunity with Industry Leaders
- **New Suppliers** •

Bearings

Plant Machinery & Equipment

Measuring, Testing and Control

Metal and Scrap Recycling

• Metal Shaping & Finishing

Metallurgical Equipment

Fire Detection & Suppression Systems

Casting Machines & Technologies

• Gears

- To gather general information
- Opportunity to look for dealerships

Source of Information About the Show





VISITOR STATISTICS





Role in decision making process

Metal Engineering

- Process Control
- Raw Materials
- Refractory Products
- **Rolling Mills**
- Tube & Pipes
- Welding Technology
- Wires & Cables
- 7inc Production
- Instrumentation
- Iron & Steel Makina
- Mineral Processing
- Pumps & Valves
- Ferrous and Non-Ferrous Production Automation Technologies
- Others



Some Brands At Show





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Punjab to benefit from the 11th edition of MMMM-2016 5 OF IL COLLEGE

ignorant. The infl edition of Minerals. 12 788 1213 4034 208 4 Metals, Metallurgy & Materials Inter-national Exhibition and Conference even with share for which spece (MMMM 2016), shall be inaugurated by Chandbary Ricender Singh, Minister of which is the other is where it is Heel, at Propati Maldats on August 18, 2016. More Unit 250 exhibitors from 25 other null committees are points. (patting to MMMM 2016. II shall have participating from China, Austria, France, Finland Company, Italy, Russia, Spain, UK & USA. Trade delegations from 7 countries that which MMMM 2016 for investment epportunition as well, Comidetting the ert that Mandi Gobindgach, Ludhlana and Islandhar are ensurging as major relastry hats, the domain stat from the state can benefit from MMMM It offers a perfect platform.See Punjaly's tedunity professionals to entablish IVs. partnerships and associations beside

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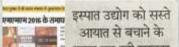
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अपरंपरागत सेक्टरों में बढ़ाएं

स्टील के उपयोग : चौधरी बिरेन्दर

इलाहे केवल में सहस्त प्रहाल अन्यत तथा प्रतेल व्रह्मत

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उपाय कर रही सरकार नई दिल्ली (एसएनबी)। इत्या यंगे चौचरी बीरेन्द्र मिंह ने इत्यान उसीन को जणिक प्रतिम्पणी होने पर और देवे हुए कहा And the second s कि सामग्र आगेग को माले आपल से कवाने चे. लिग्र रायाच कर गरी है।

प्रस्ता आगे के सुरक्ष उपन पर जन्मेलिन सम्पेलन का उद्खटन करते हुए बोरेन्द्र सिंह ने कहा कि किटेलों से समते इंधिंग रोधी आवेदन होगा आसान अव्यात के सम्बद्ध घरेलू प्रस्तात अधीन को सम्पर्धन देने के लिए प्लासना जपल कर रही हे लेकिन इसके साथ ही उन्होंग को लागा, राईनज और प्रसंस्करण प्रक्रिण का इप्रायन हरतेपाल करते का विडव स्वय पर प्रतिलयों होना चाहिए। यह अस्त्रोका न्यां। प्रपति मेहान में 11में अंतराष्ट्रीय प्रदर्शने और सम्प्रेलय के अध्यक्षत के अध्यस पर किया गया था। उन्होंने कहा, 'इमें आब आनगंधान एवं जिलास या व्यान देने को जहरत है अवींक जाने वाले सचय ये जीवामार्श में उसने महाने के लिए का बाद ही महत्वपूर्ण दिवना है। बेरावल पही नहीं इसके हमें उतिस्पर्ध राषणा पर मेलला उत्पादन तैयान आरने में भी 甲戌 国际港口

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NEWS

अंतरराष्ट्रीय प्रदर्शनी

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D010 4460 4014 40 POIDE SEE SEIDERISS INF EVASED THY OF THE PART FIFE Dea Deal ant. PRESI BUE IN E.CO. OR state income, income incoment where 1 51100 ENTE #1 4.68 यहीरपात पर जोतराज्यीन प्रदर्शनी और କ୍ୟୋଲା , କାରକାୟ ଲିଲ ଆହୋଇ सारीज्य 10 अगस्य में मुम्म हो रहा है। WE 12 MART THE REPORT OF MARTIN मेका था. प्रदेश गिंह , जपाल गैशान में सामेगा। इसमें चोन, अमेरिटना, प्रतास, विश्वमंत्रिय, जनांनी, इटश्री, कथा, · 現在 1010月 · 創 (2月)1日 - DEFIP परिण, कृवेः अगिः भूगमार्थ सहित्व विषय्य के राज वर्षक रवाव रक्षणा 125 रेवर्ड से 1006 200 में के जायता अर्थन विश्वा ते रहे हैं। एन्स की रहतिया । ୱିଶ୍ୱିର ମୃତ୍ୟୁଥାସ और पहले संबोधन प्रमुख मेन्द्रभियों भी

एमएमएमएम 2016 का ग्यारहवां संस्करण 10 से शरू

reflowing a freezone, Annue, Raccold and Addresses ton (atte spreamer; and as in the second an tratter attare to it og artis id tell \$27. or form) if middles and course with schelt fall-pe füllt is gen finne many a mennennen. जीवर तरन के के 100 लेला के केते दा के बगाइ Berre ift vie Bartline auflight, water, ferentine, ware, und, an er, or of the port of an or offpreibtt opriver it finer offt fuin it seculi it

चंत्राब को मिलेगा खनिज एवं बातू पर आधारित प्रदर्शनी से लाम

लुवियाना, मधारेका

रेक्सला, घेटला, केटलांडी एव कोरियल्य पर असलिए प्रतानी हन करियांस (स्वरमस्परम 2016) का प्याप्तवी संस्वतप to it to arme at terfs there, of fereft if southan aber some ograce gran and which further fire is get face MOT DECOUDE ANA II 15 CH 8 General and a second configure of the solar second from the र (चेन, अमित्य, फ्रांस, किन्तीपट, प्रमंत्रे,

> इस तीन दिवारीय आयोजन में प्रियंश मेंगे। finite is specifi is first a deit is same and a constant and an Bu wifti funt un Manat il prun रवीन को संभवनाओं के लिए ही विलेख सेतान यो रखे आएंगे। मंत्री गाविंदगड नुष्टियन जलभर इमेरी हुए लीप्रेणिक वेटे हैं इस तमा को भाग में तखते हुए in footne feer is sets 350 it print হল চিন্দ্ৰীৰ আফাৰি আৰীজন 'minimum 2016' il new finitur:

पंजब को मिलेग खनिज एवं धतु पर आहारित एदर्शनी से लाभ

ल्धियाना, गणदेवा

विकारण, मेटरण, मेटराजी वर्ष संदेशिकका पर आस्ट्रिय प्रदर्शनी एवं कॉन्फ्रॉस (sensettere, 2016), us vertant woman, १८ थे १२ समास को प्रथमि सेरल, नई दिल्ली में आसीमित होगा। इसका उत्पादन इसका and that faber dia is go fare अवस्ता राजस्थायम् आतंत्र सी 15 देशी के the re used which paper in it and streng faufte, alliegen win fundent aufen. इग्रामी, समा, स्पेन, गुके और पुरस्तर की देत प्रथ हीने दिवसीय आगोजन में दिवस लेते। af field a statut is finte a centre

wron ufefele noncentre ante w de affit fact un filmat il pres रायोग की संभारताओं के लिए ही जिलेश शेशन भी रखे आएगे। मंध्री गोनिस्पत्त, खुधियान जल्ला उभागे हर डीकींगड वेट हैं, उम्र तरह को कड़न में स्वते हुय उद्यंग से जुद्द राज्य के संभी भागी होंगे को रम प्रत्यमांच आयोग्य आयोग्य "normerore sola" il mu finher.

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STATISTICS.



News & Views



"Excellent Responsive Event. Good Audience in IBNP. We got good response for targeted audience. Good marketing & branding done by ITEI." Bijoyen Das, General Manager (Mktg.), Transformers & Rectifiers (India)

ijoyen Das, General Manager (Mktg.), Transformers & Rectifiers (India) Pvt. Ltd.

"MMMM Exhibition is a great platform for us and all the steel industry. We look forward to this exhibition everytime to showcase our new innovations and technology." Varun Jay Rana, Chief Executive , YOGIJI DIGI

⁴Impressive Exhibition. Have great interaction with clients." Ajay Suneja, Chief General Manager - (Project & Equipment), Sinosteel India Private Limited

"Well organized show where we got the opportunity to meet our customers. Some Technical sessions were really informative.."

Sharat Chojar, Asst. Vice President (Marketing), Electrotherm (India) Ltd.

"Good Experience to come here. Nice Arrangement. Keep it up."

Kishore Magre, DGM – Mines, MOIL Limited

"Exhibition was upto the mark. Every facility was available. Staff was very co-operative. Keep it up."

Jaya Singh, Director - Palaeontology Division, Geological Survey of India

It's a great show to meet in same segment people." Rakesh Kumar, Key Account Manager - Essar Steel India Limited

"Thank you very much for this great exhibition. It was our first and best exhibition in India."

Zlotin Dmitriy, Commercial Director, Termo Nord Stream Ltd.

"It's been our first visit and taking part in a fair in India and we had a lot of new contacts - very good platform for business." Frank Kramer, Engineering, Encon System Solutions "Very well done performance. Highly qualified visitors." Stephan Herrmann, Managing Director, Encon System Solutions

"Great team, good synergy & timely execution makes ITEI a differentiator in the exhibition industry. Keep the good work on Roll !!"

Yogesh Karandikar, Managing Director, Siiddhey Instrumentation (OPC) Pvt. Ltd.

"Good Platform to Grow...."

Vibha Mishra, MECON Limited

"Excellent Show. Good response and an opportunity to interact with prospect buyers. Certainly will participate in the next Edition."

Jay Shah, Director - Sales & Marketing, Essential Power Transmission Pvt. Ltd.

"Our first participation and the experience has been good with footfalls. Overall a good experience and we are satisfied with our decision . Shall consider future participation as well. Well Organized. Keep up the Good Work !!!"

G. Jayakumar, Senior General Manager -, Seashell Logistics Pvt. Ltd.

"The experience here has been good. We did have quite good footfall in our stall from the industry intended for. Would like to participate again next time !"

Ashok Chowdhary, Director, Tristar Metallurgical Pvt. Ltd.

"Very well organized. Good Companies here with innovative solutions. Inauguration function very impressive. All aminities available, Much better than last edition."

Siddharth, Corporate Communication, Steel Authority of India















NLIMITED OPPORTUNITIES

As a Sponsor

- Benefit from an ideal time, place and opportunity to get noticed
- Stand out from the crowd
- Enhance your leadership status
- Project a long lasting brand image to a targeted audience

As an Exhibitor

- Display your latest machinery, technology, products and services to highly focused trade visitors, trade media and delegations
- One to one interaction with the industry at one location
- Brand building among industry and end users
- Explore new business and investment opportunities

As a Visitor

- Find about the latest technology, machinery and services available in the market
- Find availability of raw materials, alternate suppliers of machinery, equipment and spares
- Find about sources of investments & funding
- Find professionals & skilled manpower

ternational Conference



A high level Concurrent International Conference on Minerals and Metals Sector- GROWTH PROSPECTS IN NEW BUSINESS ENVIRONMENT will be organized by The Indian Institute of Metals – Delhi Chapter. The conference will deliberate and debate on the current challenges facing the Mineral & Metal Industry in India. The conference will provide networking opportunity to the industry professionals and will be attended by the leading luminaries of the industry.

The conference will also deliberate on market development and dissemination of technical information in respect of Metal, Minerals, Materials and allied industries. This Conference will also be a platform for sharing the best practices prevailing in the industry and initiating a meaningful dialogue with the industry professionals, thus fulfilling its objective of achieving excellence in this sector.

MMMM 2018 will be organized with five other highly specialized concurrent events to create a mega business platform for Machinery, Technology and Engineering sectors in India

ocated Shows



International Exhibition on Latest Machine Tools & **Engineering Products**



International Exhibition on Cutting Welding Equipment Technology



Asia's Largest **Used Machinerv** Exhibition



Pumps, Valves & Compressors Gears. Motors & Controls Bearings, Shafts & Couplings



International Exhibition on Hand Tools & Power Tools. Fasteners & Industrial Tools Industry

Event Promotion:

A 360 degree integrated marketing communication approach will be adopted to promote the event through various channels and initiatives like:

- Aggressive Event promotion on social media platform like Linkedin, Facebook and Twitter
- A sustained PR Campaign till the end of the event to promote the event
- A sustained campaign in the Trade Media till the end of the event
- Launch Functions
- Strategic Tie-ups with reputed associations
- Promotions in other relevant exhibitions and conference globally
- Regular advertisements in various trade magazines
- Newspaper advertisements ٠
- Event updates through weekly emails
- Electronic advertisements on various trade portals
- Personalised invitation to the industry
- Telecalling

About Organisers

The Indian Institute of Metals – Delhi Chapter

The Indian Institute of Metals is a premier body representing professional metallurgists and material scientists from Industry, R&D Institutions and Academia in India. IIM was conceived in 1946 with the objective of promoting and advancing the study of science and technology of metals / alloys and best practices in the metallurgical profession.

Headquartered at Kolkata, IIM conducts its activities through three divisions and fifty two chapters spread across India. Today IIM is the apex professional Institute in the field of Minerals, Metals and Materials sector and has nearly 10,000 members. Delhi Chapter is one of the leading chapters and has the support of National Council of The Indian Institute of Metals for organising this prestigious event.

International Trade and Exhibitions India Pvt. 1td.

A part of the ITE Group PLC UK, which has 28 offices worldwide and organises over 251 leading trade exhibitions and conferences each year, in 15 countries, including specialized exhibitions in Mining and Metalluray, Metals, Oil and Gas, Industrial and Manufacturing, Power and Energy, Building and Construction, among other. ITEL, which presently organises a number of annual trade events and co-coordinates the participation of Indian companies at ITE's various events around the world, has ambitious growth plans of expanding its existing events and launching new events that will provide business opportunities for India's growing industries.

Sponsor & Joint Organiser



THE INDIAN INSTITUTE OF METALS - DELHI CHAPTER Jawahar Dhatu Bhawan, 39 Tuahlawabad Institutional Area M. B. Road, New Delhi - 110062, India Tel. +91 11 29956738, Fax. +91 11 29955084 Email: iim.delhi@gmail.com

IIM HEAD QUARTER

Plot 13/4, Block AQ, Sector - V, Salt Lake, kolkata-700091 Tel. + 91 33 23675004, Fax. +91 33 23675335 Email: iiocal@dataone.in

Organiser



(CIN no. U92490DL2004PTC124343) B1001-1014, 10th Floor, Statesman House Building 29, Barakhambha Road, New Delhi - 110001 Tel: +91 11 66295700, Email: ed@itei.in URL: www.itei.in, www.ite-exhibitions.com

China

Ivy Zhuang Project Manager ITE China Tel: +86 (10) 6790 2630, ext.805 Email: ivy.zhuang@ite-china.com.cn



INTERNATIONAL TRADE AND EXHIBITIONS INDIA PVT LTD Chandra Shekhar, Project Director, Shailendra Malik, Project Head, Ritu Rana Project Manager, Sandeep Arora, Manager (Sales),

Tel.: +91-11-66295844, e-mail: chandra.shekhar@itei.in Tel.: +91-11-66295815, e-mail: shailendra.malik@itei.in Tel.: +91-11-66295846, e-mail: Ritu.Rana@itei.in Tel.: +91-11-66295859, e-mail: sandeep.arora@itei.in Charanpreet Singh, Sr. Executive (Sales), Tel.: +91-11-66295867, e-mail: charanpreet.singh@itei.in



Tel: +971 4 4589900, ext. 3323 Email: yana@cem-gulf.com

