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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 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

सत्यमेव जयव

Co-Sponsored by

Organiser

29 - 31 2018 August **2018** Pragati Maidan, New Delhi, INDIA





Supported by



A Step Forward the Industry

About Metal Industry

India has now became the 2nd largest crude steel producer 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 Steel production is expected to increase upto > 128.6 MT 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 on "MINERALS AND METALS SECTOR GROWTH PROSPECTS IN NEW BUSINESS ENVIRONMENT."
- 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.

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 Mining &

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)
- Sinterina
- Smelting and Refining
- Software Technology

Metal Working Machinery & Technology

- Bearing & Shafts
- Cuttina, Shapina, Bendina & Weldina
- Extrusion

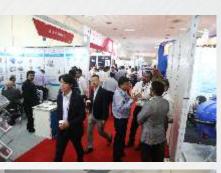
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- Finished Products, Components, Assemblies
 - Flexible Sheet Metal Working
- Forging, Casting equipment and Accessories
- Forming
- Foundry Engineering
- Furnace and Heat Treatment
- Gears, Motors & Compressors
- Joining, Fastening
- Lapping
- Laser Claddina
- Lubricants
- Machine Tools and Dies
- Polishing •
- 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











The Exhibition



Buying and Sourcing Mineral Processing

- Mineral Development Corporation
- Mineral Processing 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 Working

Steel and Metal Manufacturers

Alloy Manufacturers

Plants and Units

EPC Companies

Fabricators

OFMs

Railways

Rolling Mills

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

Shipbuilding and Ship Repair Industry

Steel & Aluminum Construction

Component Manufacturers

Consulting Service Providers

Iron and Steel Production

Sheet Metal Fabricators

Tube and Pipe Sector Water Supplier Sector

Co-sponsored by



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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



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

Large Participation from China and Russia

Global Technology Supplier Pavilion



Business Alliance Meet by URAL Chamber of Commerce & Industries





354 Leading Exhibitors from 11 Countries

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

7,087 Trade Visitors from 31 Countries

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







A Retrospect

14000 Sqm Gross Exhibition Area





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 Manufacturina in India Challenaes
- 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







The Conference



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







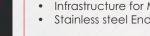


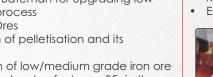
















Day	Show Timing	No. of Visitors
Day 1	10 am - 6 pm	2,405
Day 2	10 am - 6 pm	2,727
Day 3	10 am - 6 pm	1,955
Total-7,087		

Rating the Exhibition



Factors which influenced their visit

- Opportunity to buy new products
- Variety of products on display
- Networking Opportunity with Industry Leaders
- New Suppliers
- To gather general information
- Opportunity to look for dealerships

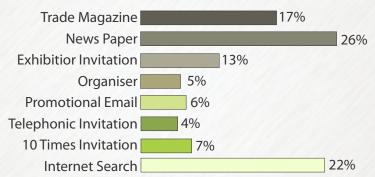








Source of Information About the Show



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

- Metal Engineering
- Process Control
- Raw Materials
- **Refractory Products**
- Rolling Mills
- Tube & Pipes
- Welding Technology
- Wires & Cables
- 7inc Production
- Instrumentation
- Iron & Steel Making Mineral Processing
- Pumps & Valves

- Bearings
- Gears
 - Plant Machinery & Equipment
 - Fire Detection & Suppression Systems
 - Casting Machines & Technologies
 - Measuring, Testing and Control
 - Metal and Scrap Recycling
- Metal Shaping & Finishing
- Metallurgical Equipment
- Ferrous and Non-Ferrous Production
- Automation Technologies
- Others







RISE OF METADIMDUSTRIES



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Puniab to benefit from the 11th edition of MMMM-2016

unitant. The infl edition of Minersky Metals, Metallurgy & Materials Interarea big within the sold speed national Exhibition and Conference MMMM 2016), shall be mangurated by Chaudhary Rirendar Single, Minister of Steel, at Prigati Maldan on August 10, 2016. More than 300 exhibitors from 25 different countries are participating in MMMM 2016. It shall have participation tront China, Austria, France, Finland, comany, maly, Russia, Spain, UK & 1%A. Trade delegations from 7 countries shall vialt MMMM 2016 for investment spontunities as well. Considering the tact that Manifi Gebindgorh, Laphiana and Jalandhay are energing as many initiatry hubs, the domain statichedders from the state can benefit from MMMMM 1010, the biennial R3B industry event. it offers a period platform for Panjab's industry pendinalisinals to establish PVs. partnerships and associations besides sourning, dealership and network tappinit.

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ମୁଅତିସ୍ଥା: ଏମାଏମାସମେ ୬ । ୧ ନସ ୧ ୧ ଜମ ଅଭିଭାଗର କରିକମ ଅଟନ ୧୦ ରାଇଁଶରେ ଭୁନ୍ୟା ପ୍ରସର୍ହ ମହନାବରେ ଅନୁହିତ ହେଳକୁ ଯହନ୍ତି । ଏହି ରମ୍ପାରମହ କିଥି ମହା ମହାଯାଇ ଥିଲେହ କି ଉତ୍ତରମହ କରିବଦ । ଏହିରେ ହିତ୍ ହିତ୍ କଟି ଦେଇ ସେଲ ଦେଶର କାର୍ଯ୍ୟାନ ରହିଛି । ତାଳ , ଅନ୍ତିର, तार, रोजवन्त, वर्गाल, बंदावा, वरीत, स्थार, क्रस्ट तर श्रेतात ପରି ତେବ ଯେଇ ତେବେ । ଏହି କାର୍ଟକ୍ରମ ବିହରର ଶର କମ୍ପାରେ କିନ୍ତୁ ତାପ୍ରରଣ ପ୍ରାଚିତନ ଅଧ୍ୟା କେ. ଏହା ମହୋତ୍ରା କରିନନ୍ତି ଯେ, ଶିକ କ୍ରେପ୍ରତାରେ କ୍ରିରେଶ୍ୱର ଅନ୍ତ୍ର କ୍ରିରେ କ୍ରିସାର ରାଗ୍ରାଚନ ଦେଶ ହୋଇପାରେ । ଏହି ଅବସରାରେ ମୁଖା କଳ୍ପା ଭାରେ ଭିର ମାହିଁକି ous tion at , once ous 0.00, ore ; more bond at ILEP THEE, GROVE BE EXCEPTION ON ON ADD THE . HERE මින කළුළු බලාග කර පුළු දෙන දෙනෙ නැතිලා නැති

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आयात से बचाने के उपाय कर रही सरकार नई दिल्ली (एसएनबी)। इत्पत मंत्रे चौधरी बीरेन्द्र मिंह ने इस्पत उद्योग को अधिक प्रतिस्पर्धी होने पर जोर देते हुए कहा ereine mentrante कि सरकार उद्योग को सस्ते आपत में बचाने के लिए तपान कर रही है।

इस्पता उद्योग के सुराक्ष उपाय पर अवोशित सम्मेलन का उद्घारन काते हुए बीरेन्द्र सिंह ने कहा कि किरेतों से सरवे आवात के समस परेलु इस्पात उद्योग को समर्थन देने के लिए सरबार उपाय कर रही है लेकिन इसके स्वय ही उद्योग को लागत. र्खनज और प्रसंस्करण प्रक्रिय का इप्टतन इस्तेमान करते हा जिल्हा रतर पर प्रतिमयपी होस वाहिए। यह आयोजन यहां प्रपति मेलन में 11वीं अंतरराष्ट्रीय प्रदर्शनी और सम्प्रेलन ब उट्षाटन के अवसर पर किया गया था। उन्होंने कहा, 'हमें आब आरसंधान एवं विज्ञास या ध्यान देने को सक्षरत है क्योंक अने वाले समय में प्रतिसम्बा में उड़ने बढ़ने के लिए यह बहुत ही महत्वपूर्ण हिम्सा है। केवल वती नहीं इससे हवे प्रतिस्की लागह या बेहता उत्प्रदर तेवार करते में भी महद्र मिलेके?



& Co-Located Shows POST SHOW REPORT N

Media Speak

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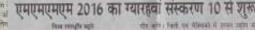
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अंतरराष्ट्रीय प्रदर्शनी 10 से नसी दिल्ली में

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state income, income incoment with वटेरियंग पर जंतराष्ट्रीय प्रदर्शनी और गैशान में सामेगा। इसमें चोन, अमेरिटना, प्रयोग, खुवे: अगि मुख्यार, सहित जिस्य के हिस्सा लगी। यहां के व्यवसायिगा न ninthe allereffen, firmal Blan अल्लास मार्सेट बेंचर्स, सामेन्द्रस वी राजाय को स्वायित करने धीवन मिलेग



अंतरराष्ट्रीय पदर्शनी कल से

कार्यत्रमा १० अगस्त में गुरू हो रहा है। गण 12 अल्पना तथा दिल्ली के प्रगति प्रतास, विश्वनीय, जनांनी, इटली, क्या, 25 देखी से बारीब 300 से भी ज्यादा अव्यक्ति काल देशे हैं। एन्य की खलिया और यह दे संबंधित प्रमुख केनविश थी

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"Excellent Responsive Event. Good Audience in IBNP. We got good response for targeted audience. Good marketing & branding done by ITEL."
Bijoyen 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





Unlimited 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

International 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 ^{Chapter} Mineral & Metal Industry in India. The conference will provide networking opportunity to the industry professionals and will be attended by the leading is of the industry.

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.

Co- located Shows

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





International Exhibition on Cutting Welding Equipment Technology



Asia's Largest Used Machinery 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
- Promotion through a sustained PR Campaign till the end of 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



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