



**MINERALS
METALS
METALLURGY
MATERIALS**

®

www.mmmm-expo.com

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

29 30 31 August 2018

PRAGATI MAIDAN, NEW DELHI, INDIA



Organised by



Supported by

WMF

WORLD METAL FORUM

**A Step Forward
the Industry**



ABOUT METAL INDUSTRY

The rise in population, growth in the economy, urbanization and the increasing domestic requirements, has created a strong demand for minerals and metals.

In the last few years, India has seen a significant growth in minerals with the government granting leases for longer durations of 20 to 30 years. Mining Sector Contribution to GDP US\$ 21.86 Billion, In FY16, India had 1,878 operative mines. For global players, India is a big market for mineral resources, as metals and power demand is expected to have robust growth in long term.

India ranks 4th globally in terms of iron ore production and 3rd largest producer of crude steel in the Asia-Pacific region in 2015. In FY16, production is expected to reach 140 million tonnes of iron ore. India is third Total finished steel production (alloy+ non-alloy) in India is estimated to reach 90 million tonnes in FY16.

Currently, aluminium is the second most used metal in the world after steel and the third most available element in the earth constituting almost 7.3 per cent by mass. At present, aluminium is the fastest growing non-ferrous metal and its production volume is next only to steel. Domestically, the demand and consumption of aluminium is projected to rise to about three million tonnes by 2017 from nearly 1.71 million tonnes now.

Also, copper accounts for third in consumption after steel and aluminium. India is also among the top five zinc mining countries globally.

ABOUT MMMM

MMMM is by far, the largest and the most prestigious event on Minerals, Metals, Metallurgy & Materials with Presence of all Leading companies of Steel and Metal industry. 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 ITEI, the Indian subsidiary of ITE Group PLC (UK).

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

MMMM 2016 was Co-sponsored by major Ministries of Government of India like Steel, Mines, External Affairs, Heavy Industries & Public Enterprises, Commerce & Industry, Earth Sciences, MSME & CSIR.

Collocated with four other related shows exhibitions to create a mega business platform for the Metal, Manufacturing & Engineering industry-

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 & Processing

- 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 Manufacturing

- 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 Cladding
- 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



Visitor Profile

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

Steel and Metal Manufacturers

- Metal producing companies
- Alloy manufacturers
- Material testing agencies
- Ferrous and Non-ferrous metal production plants and units
- Foundry Engineering Units

Buying and Sourcing of Metal & Metal Working Machinery:

- Aerospace & Defense
- Automobile Industry
- Casting, Forgings and Foundry
- Component Manufacturers
- Consulting Service providers
- Electrical & Electronics Industry
- EPC Companies
- Fabricators
- Iron and Steel Production
- Non-Ferrous Metals Production
- OEMs
- Power Transmission and Distribution
- Railways
- Rolling Mills
- Sheet Metal Fabricators
- Sheet Metal Products, Components Manufacturers
- Shipbuilding and Ship Repair Industry
- Steel & Aluminum Construction
- Tube and Pipe Sector
- Water Supplier Sector



14000 Sqm
Gross Exhibition Area

3 Days Conference on
“Minerals and Metal and
their Contribution to
Make in India”



Supported by
16 Industry Associations
and
70 Trade Media



“International Business
Networking
Program” on
**Industrial Lubricants
Furnaces & Heat
Treatment
Rolling Mills
pumps & Gears
Transformers**



Investor 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



Day-1 10th Aug. 2016

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
- Improved 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
- Improved 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



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-1 10th Aug. 2016

Automation & Instrumentation

- OXFORD INSTRUMENTS
- VSAN TECHNOLOGY PVT. LTD.
- OERLIKON LEYBOLD VACUUM INDIA

Process Control Systems

- ENDRESS + HAUSER (INDIA) PVT. LTD.
- HAVER IBAU INDIA PVT. LTD.
- LECHLER INDIA PVT. LTD.



The International Business Networking Program

Day-2 11th Aug. 2016

Industrial Lubricants

- EXXONMOBIL

Advancing Productivity for the Indian Metals & Minerals Industry: How Lubricants Can Help by Mr. Shankar Karnik & Mr. Imtiaz Ahmed

Furnaces & Heat Treatment

- ELECTROTHERM INDIA LTD.
- ENCON THERMAL ENGINEERS PVT. LTD.
- TERMO NORD STREAM
- ANDRITZ TECHNOLOGIES PVT. LTD.

Rolling Mills

- ANDRITZ TECHNOLOGIES PVT. LTD.
- MRL PRINTING ROLLS PVT LTD
- ENCON THERMAL ENGINEERS PVT. LTD.



Day-3 12th Aug. 2016

Pumps & Gears

- BONENG TRANSMISSION INDIA PVT. LTD.
- SAM TURBO INDUSTRY PRIVATE LIMITED

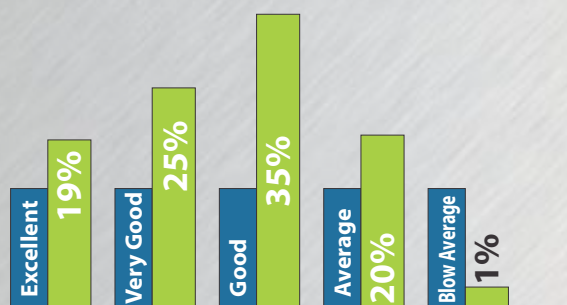
Transformers

- TES TRANSFORMER ELECTRO SERVICE ASIA PVT. LTD.
- TRANSFORMERS & RECTIFIERS (INDIA) PVT. LTD.



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



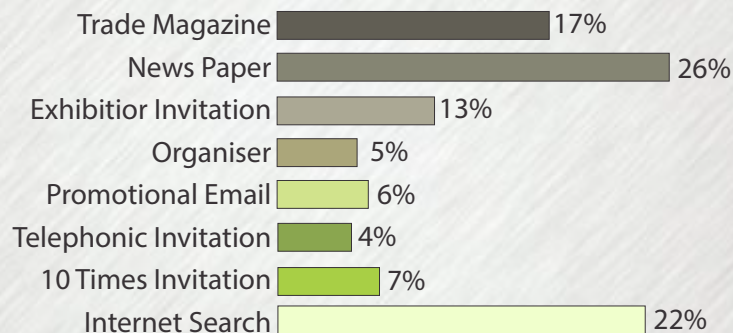
Key Sectors of Interest

- | | | |
|--------------------------|-----------------------|--|
| • Aluminum Production | • Metal Engineering | • Bearings |
| • Automation Technology | • Process Control | • Gears |
| • Base Metals Production | • Raw Materials | • Plant Machinery & Equipment |
| • Copper Production | • Refractory Products | • Fire Detection & Suppression Systems |
| • Energy Conservation | • Rolling Mills | • Casting Machines & Technologies |
| • Ferro-Alloy | • Tube & Pipes | • Measuring, Testing and Control |
| • Forging | • Welding Technology | • Metal and Scrap Recycling |
| • Foundry | • Wires & Cables | • Metal Shaping & Finishing |
| • Furnaces | • Zinc Production | • Metallurgical Equipment |
| • Heat Treatment | • Instrumentation | • Ferrous and Non-Ferrous Production |
| • Instrumentation | • Iron & Steel Making | • Automation Technologies |
| • Iron & Steel Making | • Mineral Processing | • Others |
| • Machine Tools | • Pumps & Valves | |

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

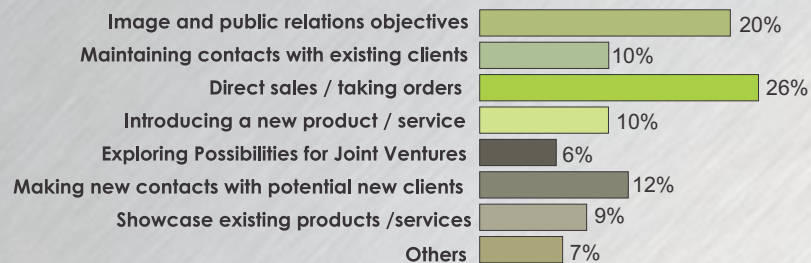
Source of Information About the Show



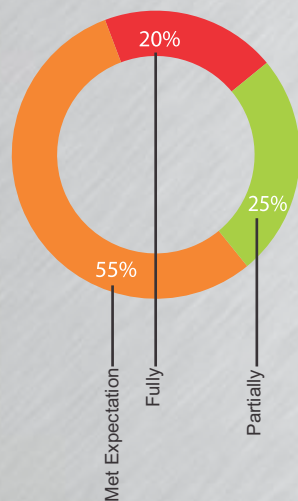
Role in decision making process



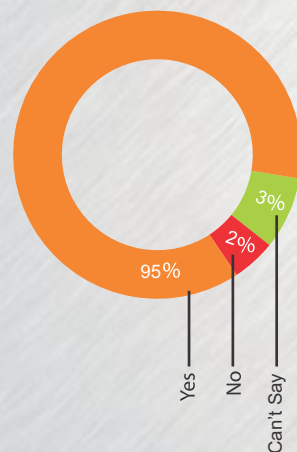
Objective of Participation



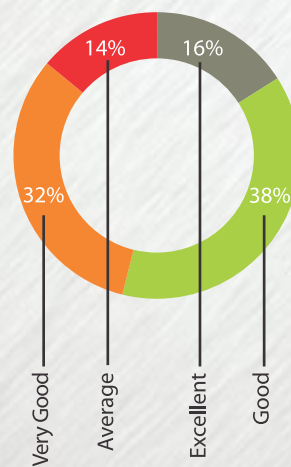
Accomplishment of Participation Objectives



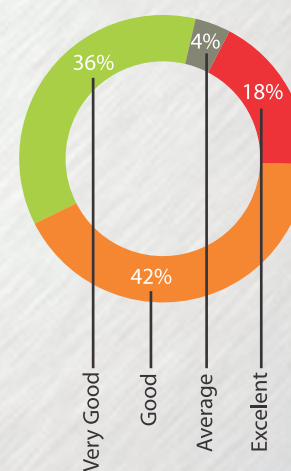
Cost Effectiveness in Participation



Exhibition Arrangements



Quality of Business Visitors







"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) 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



"Impressive 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 amenities available, Much better than last edition."

Siddharth, Corporate Communication, Steel Authority of India



Unlimited Opportunities

AS AN EXHIBITOR

- Display your latest machinery, technology, products and services to highly focused trade visitors, media & 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 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 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



Co- located Shows



About us



International Trade and Exhibitions India Pvt Ltd (ITEI) is a part of ITE Group PLC, UK.

ITE Group has more than 250 events every year around the globe on 20 major industry verticals - Like Petroleum, Mining, Building material, Tourism and many more. ITE Group manages the business with 1000 staff in 30 offices worldwide. This network, provides global expertise, local market knowledge and high standards of customer service and support. More than 60 of the Group's events are 'Approved' by the Global Association of the Exhibition Industry, UFI.

Contact Us



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

Chandra Shekhar, Project Director,
Shailendra Malik, Project Head,
Ritu Rana Project Manager,
Sandeep Arora, Manager (Sales),
Charanpreet Singh, Sr. Executive (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
Tel.: +91-11-66295867, e-mail: charanpreet.singh@itei.in



China

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



Middle East

Yana Sapunova
Project Manager
CEM FZ LLC
Tel: +971 4 4589900, ext. 3323
Email: yana@cem-gulf.com