

www.mmmm-expo.com

**13<sup>th</sup>** International Exhibition & Conference on  
Minerals, Metals, Metallurgy & Materials

International Conference on  
Resource Efficiency and Circular  
Economy in Mineral & Metal  
Sectors in India

Organised by: IIM-Delhi Chapter

Open Seminar on  
New Technology & Innovation  
for Metal Working & Processing

**25 26 27** AUGUST 2022  
PRAGATI MAIDAN, NEW DELHI, INDIA

Co-Sponsored by



सत्यमेव जयते

Ministry of Steel

Ministry of Coal

Ministry of External Affairs

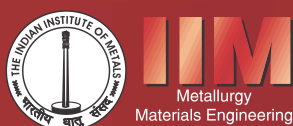
Niti Ayog

CSIR-Institute of Minerals & Materials Technology

Organiser



Joint Organiser



**IIM**  
Metallurgy  
Materials Engineering

Supported By



Co-located Shows



## ABOUT INDUSTRY

India is the 2nd largest producer of crude Steel, the largest producer of Sponge Iron or DRI in the world and the 3rd largest finished steel consumer in the world after China & USA.

India's steel production is expected to increase from **106.56 MT in FY19 to 128.6 MT by 2021.**

The current per capita consumption for finished steel products stood at **70.9 kg**, way below the world average of **224.5 kg**, which suggests that India has a huge unrealised potential for steel demand growth.

**Government of India is aiming to scale the Steel production upto 300 Million Tons and increase the per capita steel consumption upto 160 kgs by 2030-31 as per National Steel Policy.** The liberalization of industrial policy and other initiatives taken by the Government have given a definite impetus for entry, participation and growth of the private sector in the steel industry.

Indian Steel Industry is witnessing consolidation of players which will presents an opportunity for global players to enter the Indian Market, while the existing units are being modernized/expanded, a large number of new steel plants have also come up in different parts of the country based on modern, cost effective, state of-the-art technologies

## 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 being organised by **Hyve India Private Limited** (Formerly known as International Trade and Exhibitions India Pvt Ltd), the Indian subsidiary of **Hyve Group PLC (UK)**.

### MMMM 2022- A Sneak Preview

- Support from all relevant Ministries, trade associations of Metal and allied industries
- Open Seminar on **"New Technology & Innovation for Metals & Metallurgy"**
- Concurrent Global Networking Meet of World Metal Forum(WMF)
- Presence of **400+ Leading Exhibitors from 15+ countries**
- International Participation from China, Austria, Finland, France, Germany, Italy, Russia, Spain, UK & USA.
- International Business Networking Program (IBNP).
- Exclusive Industry Excellence Awards.
- Investor Meet by International Chambers of Commerce.
- Various New Launches by Exhibitors.
- International Trade Delegations from 7+ Countries.

**A complete conclave of Policy Makers, CEOs, and Industry experts, Scientists, Academia and Engineers associated with Minerals, Metals, 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 & 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

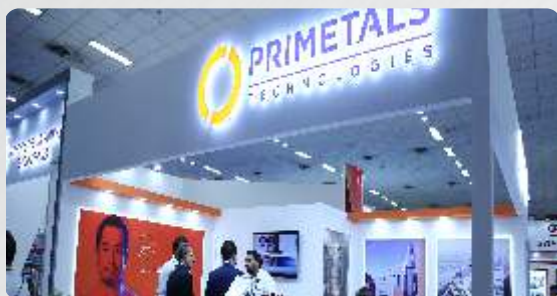
### Steel and Metal Manufacturers

- 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





### 3 Days Conference on

"MINERALS AND METALS SECTOR-  
GROWTH PROSPECTS IN NEW  
BUSINESS ENVIRONMENT" by IIM-DC



### "International Business Networking Program" on

- Furnaces & Heat Treatment
- New landmarks in Metal Processing Industries using High performance Rollers
- The New Revolution – Customized rental solutions for shaping the future"
- Gear Motors for Power Transmission
- The importance of Refractories in Metallurgy
- The itinerary of Mineral Development Corporations for next 5 years



Supported by  
**17 Industry Associations**  
and  
**45 Trade Media**



## A RETROSPECT



सत्यमेव जयते

### CO-SPONSORED BY

Ministry of Steel  
Ministry of Mines  
Ministry of External Affairs  
Council of Scientific & Industrial Research  
**GOVERNMENT OF INDIA**

5 Co-located events to create one  
**Biggest**  
**Business**  
**Carnival**

**15846 Sqm**

Gross Exhibition Area

**11,346** Trade Visitors  
from **43 Countries**

**476 Leading**  
Exhibitors from  
**16 Countries**

**Global Technology  
Supplier Pavillion**

China, France, Germany, India, Italy,  
Japan, Poland, Romania, Russia, South  
Korea, Sweden, Switzerland, Taiwan,  
The Netherlands, United Kingdom, USA

### Business Alliance

**Meet** by URAL Chamber of  
Commerce & Industries





## Day-1 29th Aug. 2018

### INAUGURAL SESSION

Address by Guest of Honor

**SHRI CHAUDHARY BIRENDER SINGH**

Hon'ble Minister of Steel, Govt. of India

### CEO Conclave

Moderator

**Shri R N Parbat,**

Past President, Indian Institute of Metal

#### Panel

- CHAIRMAN, SAIL
- CMD, RINL
- CMD, MECON
- CMD, MIDHANI
- CMD, CCL
- Dr. Vinod Nowal, Dy. MD, JSW Steel
- Shri Anand Sen, President (TQM & Steel Business) Tata Steel
- Shri S S Mohanty, Vice Chairman & MD,

### Role of Financial Institutions in shaping future of Metal Sector.

### Prospects of Mineral Industries & Raw Materials security for future growth of Mineral & Metal sectors

- Raw Materials security – A strategic need for competitive edge
- in steel Industry by Shri K Sanjay Sawarni, CET, SAIL
- Raw Materials security for Indian Steel Industry By Shri Pankaj KSatija, Tata Steel
- Prospects of mineral industries in new business regime by Shri Pradeep Kumar, NMDC

### Planning of Infrastructure & Logistic support

- Modernization and expansion of Ports and Harbours by Shri P L Haranadh, Dy. Chairman, Vizag Port Trust
- Vision of NHAI on Road Transport Sector by Shri R K Pandey, Member Projects, NHAI
- Slurry Pipelines: An innovative logistics solution for transportation of iron ore by Shri H Manju, MECON Ltd.
- Smart City Imperatives for Steel Industry by Dr. R. Kulshreshtha, Ex ED, SAIL

## Day-2 30th Aug. 2018

### Enhancing competitiveness of Indian Steel Sector

- Enhancing competitiveness of Indian Steel Industry by Shri S Shah, Tata Steel
- IISCO Steel Plant – An epitome of technological prowess by Shri N Swarup, CET, SAIL, Ranchi
- Paper from JSW
- Enhancing the Competitiveness of the Indian Steel Industry by Dr. Sanak Mishra, Past President, IIM

### Prospects of Non-ferrous Industry

- Prospects of Titanium & Zirconium Industries by Dr. M P Sukumaran Nair, CMD, KMMCL
- Zinc & Lead Markets in India – Current and Emerging by Shri L.Pugazhenthay, ILZDA & Past President, IIM
- Converting Mining Waste to Secondary Resource by Shri Vinay Kumar Singh, HCL

### Metals requirement of Strategic Sectors

- Metals Requirement for Strategic Sector by Shri D Singh, CMD, Indian Rare Earths Ltd. (IREL)
- Need of advanced materials for Defence Sector under 'Make in India' initiative by Shri C. K. Mondal, Metal & Steel Factory, Ishapore.
- Universal Rail Mill 1.2 MTPA capacity under 7.0 MT expansion of BSP – An Overview by Shri A K Jain, Bhilai Steel Plant

### Secondary Steel Sector – its Contribution and Challenges

- Economics of energy efficiency in mini steel plants – results and potential by Dr. S N Srinivas, Clean Energy Access Network
- Secondary Steel Sector – Its Contribution & Challenges by Mecon by Shri D K Ambasta
- Unfolding 300 MT Indian Steel Vision and its impact on Indian DRI Industry by Shri D Kashiva, SIMA.



## THE CONFERENCE

## Day-3 31st Aug. 2018

### Energy /Environment Issues in Mineral and Metal

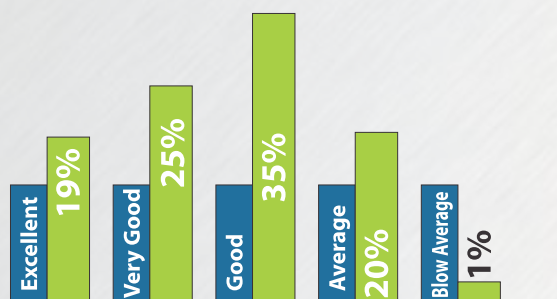
- Deployment of Energy Conservation Technologies in iron and steel sector, A case study of RINL by Shri K Sudhakar
- Energy and Eco-Friendly Portfolios by Shri S Dasgupta, Primetals Technologies
- Innovative & Energy-saving Permanent Magnetic Transmission Technology by Mr. Frank Wang, Sagta Engineering Ltd, Sanghai, China.
- Lubrication methods for continuous casters by Mr Partha Pratim Mitra, Kluber Lubrication India Pvt Ltd





Day	Show Timing	No. of Visitors
<b>Day 1</b>	10 am - 6 pm	<b>3,557</b>
<b>Day 2</b>	10 am - 6 pm	<b>4,877</b>
<b>Day 3</b>	10 am - 6 pm	<b>2,912</b>
		<b>Total-11,346</b>

## Rating the Exhibition



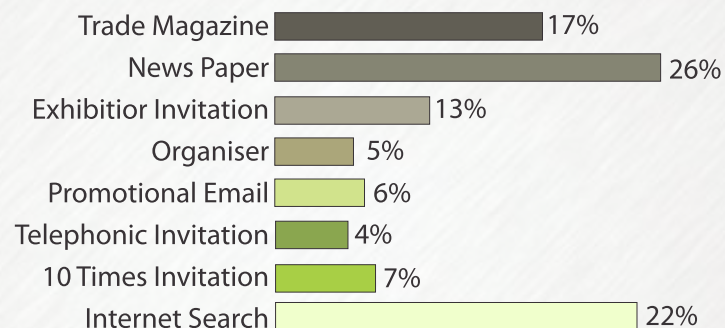
## Key Sectors of Interest

- Aluminum Production
- Automation Technology
- Base Metals Production
- Copper Production
- Energy Conservation
- Ferro-Alloy
- Forging
- Foundry
- Furnaces
- Heat Treatment
- Instrumentation
- Iron & Steel Making
- Machine Tools
- Metal Engineering
- Process Control
- Raw Materials
- Refractory Products
- Rolling Mills
- Tube & Pipes
- Welding Technology
- Wires & Cables
- Zinc 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

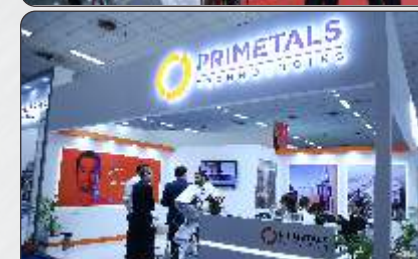
## Factors which influenced their visit

- 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



## VISITOR STATISTIC



## Role in decision making process









[illegible]

● **अर्द्ध लिफ्ट (halfway):**  
इसमें प्रत्येक पैर, दोनों पैरों के बीच में स्थित होता है।  
● **गुल ले-लिफ्ट (gull lift):**  
इसमें प्रत्येक पैर, दोनों पैरों के बीच में स्थित होता है।  
● **गुल ले-लिफ्ट (gull lift):**  
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● **गुल ले-लिफ्ट (gull lift):**  
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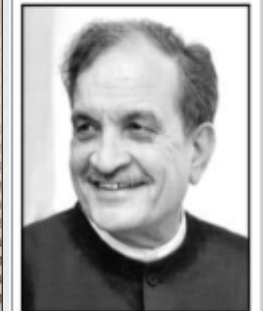
**12th MMMM 2018:** The 12<sup>th</sup> edition of Minerals, Metals, Metallurgy & Materials International Exhibition and Conference (MMMM 2018), one of the largest in this part of the world, will be inaugurated by Chaudhary Birender Singh, minister of steel, at Pragati Maidan, New Delhi, on August 29, 2018. The minister of steel will also discuss the current challenges with global leaders and captains of the steel industry in India.

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MEDIA SP

**एमएमएमएम का 12 वां संस्करण 29 अगस्त से**  
नई दिल्ली। खनिज धातु, धातु विज्ञान और सामग्री अंतर्राष्ट्रीय प्रदर्शनी और सम्मेलन 2018 का 12 वां संस्करण दुनिया के इस हिस्से में सबसे बड़ा का उद्घाटन 29 अगस्त 2018 को प्रगति मैदान में इस्पात मंत्री चौधरी बिरेन्द्र सिंह इस्पात मंत्री मौजूदा चुनौतियों पर भी चर्चा करेंगे। आईटीईआई के निदेशक संजीव बत्रा - ने कहा कि अंततः 2 वर्षों के इंतजार के बाद यह आपको हमारे साथ साझा करने में हमें बहुत खुशी देता है कि आई टीई आई एमएमएमएम 2018 खनिज धातु धातु विज्ञान पर सबसे बड़ा और सबसे प्रतिष्ठित कार्यक्रम का अनावरण प्रगति मैदान नई दिल्ली भारत में 29-31 अगस्त को करेगा।

এমএমএমএম  
২০১৮-এর  
উদ্বোধনে ইস্পাত  
মন্ত্রী চৌধুরি  
বীরেন্দ্র সিং



নয়াসিঙ্গি, ২৯ আগস্ট : গিল্লির প্রগতি ময়দানে ১২২তম মিনারেল, মৌল, মৌলজি এবং মেটেরিয়ালস ইন্টারন্যাশনাল একজিবিশন আন্তর্জাতিক কনফারেন্সের উদ্বোধন করলেন কেন্দ্রীয় ইম্পাত মন্ত্রী জ্যোতির্বিদ্যারঙ্গ সিং। ভারত এবং বিশ্বের ইম্পাত শিল্পের সঙ্গে যুক্ত উদ্যোগপতিরা এই কনফারেন্সে উপস্থিত ছিলেন। মূলত ভারতের ইম্পাত শিল্পের সঙ্গে বিশ্বের ইম্পাত শিল্পের কোথায় কোথায় চ্যালেঞ্জ রয়েছে, সেগুলি নিয়ে আলোচনা হয় এই কনফারেন্সে। এ বিষয়ে আইটিআই-এর কর্তা সঞ্জীব বাজা জানান, আগামী ৩১ আগস্ট পর্যন্ত এই কনফারেন্স চলবে। এই কনফারেন্স এবং প্রশস্রণী মূল বিষয় হল দেশের ইম্পাত শিল্পের সুসংহত বিকাশ ও উন্নয়ন। পাশাপাশি বাস্তবত্বের সঙ্গে ইম্পাত শিল্পের সামঞ্জস্যপূর্ণ সহাবস্থান ঘটানোই কেন্দ্রীয় সরকারের যাবতী রয়েছে, সেগুলি তুলে ধরা। আমেরিকা ভারতের ইম্পাতের উপর কর ধার্য করেছে। যদিও জাপান, স্পেন, রাশিয়াকে তাহিত হয় না।





“Good platform to network with steel industry companies & dignitaries for Eurotherm product portfolio. Thank the team for the great show.”

**Anjali Yadu (Marketing Manager, Asia Pacific-Eurotherm, India.)**



“Good experience and wonderful platform to display & exhibit. Co-ordination and support from the organisers are excellent and the amenities are up to the mark.”

**S Rajalakshmi (ES to MD-Paul Wurth, India)**



“Nice Show. We suggest that the show should be organized in Sept last or Oct first Week.”

**U.S. Maggu (Director-Vikas Rolls, India)**



“The footfall has been better than the earlier MMMM show. Would have been better if 3.5 days are organized instead of 2.5 days. Arrangements from the organisers have always been good.”

**Pankaj Vohra (Regional Manager, North India-NORD, India)**



“Overall satisfied with the complete setup & organizing of the event. Smooth operation starting from natural delivery to customer interaction. Happy to be representing Jindal Steel and Power at such a platform.”

**Saurabh Agarwal (AGM-Product Application Group, JSPL)**



“We are happy to be here. Getting good exposure with great footfall. Nicely organized event. We installed a working machine in our booth and faced no problem in the execution. We are all praise for the organizers.”

**Jasbir Maggu (Director, Rollcon Engineering)**



“Very well organized event. The quality of visitors, as well as exhibitors. Keep up the great job. We will work together next time.”

**Rahul Pant (Marketing Communications Specialist, Kluber Lubrication)**

“It is a very good platform to know about new development done by suppliers, and also to discuss about the development of steel sector.”

**Manoj Singh Dhami (Manager Engineering Dept., Nippon Steel)**

“Well organized show, consistent footfall from day 2 onwards. Based on leads/enquiry generation, we would continue next year. With regard to the presentation arrangement we would have preferred the slot in the conference hall.”

**Hemarrajan S (Senior Sales Engineer, Specialty Rental-Atlas Copco, India)**

“Good Show, well organized, staff quite co-operative.”

**Vikram Gupta (Deputy Manager-JSW Steel Limited, India)**

“Very well organized exhibition. We, as one of the leading exhibitors have seen good amount of interest from various customers/vendors.”

**Suresh Gupta (Dy. General Manager, Corporate Affairs-SAIL, India)**

“Well organized and easily approachable, also good response from customers, which came from many states of India.”

**Rakhul Kumar (FKL, India)**

“Well organized show by ITEI. We had an excellent experience with great networking with industry leaders and experts where we could showcase our latest Technology. We hope to come back again.”

**Sharat Chojar (Vice president, Marketing-Electrotherm, India)**

“Good show and well organized, we also received good response, although this was our first show in northern India. We have an excellent show.”

**Rajgopal Gilada (Managing Director-Gita Refractories, India)**

“Well organised and satisfied with the facilities provided. Overall good and happy to participate. More business associates are expected to visit & participation from large industry circle is expected.”

**Chandrashekhar Khuraswar (Vice President-Apex Knives, India)**









# Unlimited Opportunities

## As an Exhibitor

- Display your latest array of products, technology and services to highly focused trade visitors, trade media and delegates
- 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

- Access to the latest technology, products and services available in the market
- Find availability of raw materials, alternate suppliers, recent trends in the manufacturing and trading segments
- Find about sources of investments & funding
- Find professionals & skilled manpower

## Co- located Shows

MMMM 2020 will be again organized with five other highly specialized concurrent events to create a mega business platform for Machinery, Technology and Engineering sectors in India





## About us



[www.hyve.group](http://www.hyve.group)

We are Hyve - We create unmissable events, where people from all corners of the globe connect, learn & inspire, sharing extraordinary moments, advancing businesses and helping to shape industries. Our vision is to create the world's leading portfolio of content-driven, must-attend events delivering an outstanding experience and return on investment for our customers. This vision sits at the heart of everything we do and informs every decision we make.

We have more than 130 events taking place every year all around the world, and across multiple industry sectors from fashion to food and building to tourism.

## Contact Us @ India Offices

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