



# MINERALS METALS METALLURGY MATERIALS

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Ministry of Coal

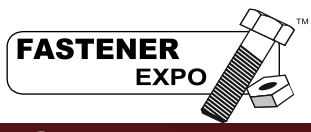


MINISTRY OF  
ELECTRONICS &  
INFORMATION TECHNOLOGY  
GOVERNMENT OF INDIA



# 14<sup>th</sup> International Exhibition and Conference on Minerals, Metals, Metallurgy & Materials

Co-located Shows



India's Largest Exhibitions on Hand Tools, Power Tools, Hardware, Fasteners, Cutting, Welding & Laser Technology

27 - 29 SEPTEMBER 2024

YASHOBHOOMI, DWARKA, NEW DELHI



GOLD PARTNER



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# Post Show Report



**Shri. Bhupathiraju Srinivasa Varma**

Minister of State,  
Ministry of Steel, Government of India

I am happy to know that the Delhi Chapter of The Indian Institute of Metals (IIM) is organizing Minerals, Metals, Metallurgy & Materials (MMMM 2024) International Conference and Exhibition on the theme of Process & Product Innovations in Metal Production at New Delhi during 27-29 September 2024.

The current focus in metal production is on replacing traditional production methods with cleaner alternatives powered by renewal energy, including green hydrogen, green energy, carbon capture, storage and utilization etc., enabling shift towards 'green' production, i.e. achieving a net zero carbon footprint and digitalization. I Hope the international conference and exhibition shall help the domestic industries, in addressing these key industry challenges. MMMM 2024 should also provide growth and technology up-gradation path to help mineral and metal sectors to fulfil the emerging needs of low CO<sub>2</sub>, and green technologies and to support developments in renewable power, EVs and other emerging technological sectors.

The challenges we face are global and effective collaboration between industry, designers, technology and equipment suppliers, academia and government is paramount to success. I hope that the MMMM 2024 will also provide a platform for strengthening such a collaboration and facilitate adopting new technology with low GHG emission and high resource efficiency.

I wish MMMM 2024 all success.





**Shri. H D Kumaraswamy**  
Minister of Heavy Industrial and Steel,  
Government Of India

It gives me a great pleasure to learn that The Indian Institute of Metals - Delhi Chapter, is organizing MMMM 2024 Conference and Exhibition during 27-29 September 2024 at Delhi.

Revolutionary changes have been brought in mineral and metal domain in the last few years. Indian steel industry is brilliant example of transformation and turnaround with the joint efforts of government and industry, as it has come a long way by becoming 2nd largest steel producer in the world.

The global requirement of minerals and metals is growing. There is a great concern about future availability of these valuable resources. The theme of the International Conference, viz. Process and Product Innovations in Metal Production is very topical and relevant in this context. I hope deliberations will be held on what innovations are being done in metallurgical and allied sectors to make metal production as resource efficient as possible, and ensuring a rapid and global deployment of breakthrough technologies that can make metal production considerably greener and sustainable than what is at present.

I wish the Conference and Exhibition all success.



**Shri. Sandeep Poundrik, IAS**  
Secretary, Ministry of Steel  
Government Of India

I am very happy to note that the Delhi Chapter of The Indian Institute of Metals (IIM) is organizing an International Conference on Process & Product Innovations in Metal Production, along with an International Technical Exhibition on Minerals, Metals, Metallurgy and Materials (MMMM 2024) at Yashobhoomi (IICC), Dwarka, New Delhi during 27-29 September, 2024.

Mineral and metal sectors are important in national economy as they determine the efficiency and growth of multiple downstream manufacturing industries and infrastructure. Indian metal sector has been growing over the years and more growth is expected in coming years. Besides adding new capacity, the industry has also been continuously updating and upgrading older plants to higher efficiency levels.

Innovation in metal production, processing and metallurgy is a key element to compete in today's global market. The continuous diffusion of process and product innovations has been crucial for maintaining healthy growth. Government is committed to supporting and nurturing innovative talent, providing them with the necessary tools, resources, and platforms to showcase their innovations. Government of India has set an ambitious target of installing 300 million tonnes of crude steel

making capacity by 2030 and simultaneously reducing greenhouse gas generation by half by 2030. I am confident that deliberations in MMMM 2024 shall help to meet these targets.

I wish the event a grand success.



**Shri. Sajjan Jindal**  
President - IIM,  
Chairman - JSW Group,  
The Indian Institute of Metals

I am glad to know that the JIM Delhi Chapter is organizing MMMM 2024, the International Conference and Exhibition, with the theme Process & Product Innovations in Metal Production during 27-29 September 2024 at Yashobhoomi, Dwarka, New Delhi.

Producing metals and alloys using innovative processes which use less energy and emit significantly less carbon dioxide at reduced cost is an aspiration of the manufacturing sector. I hope that MMMM 2024 will facilitate adopting innovative technology with low GHG emission and high resource efficiency. I also hope that during MMMM 2024, brightest minds in metal sector will converge, connect, and collaborate, sparking ideas that will reshape the metal production in coming years.

I wish MMMM 2024 a grand success.





**Prof. B S Murty**  
Director  
Indian Institute of  
Technology Hyderabad

I am delighted to know that IIM Delhi Chapter is organizing MMMM 2024, the International Conference and Exhibition, with the theme Process & Product Innovations in Metal Production during 27-27 September 2024 at Yashobhoomi (IICC), Dwaraka, New Delhi. In metal Production top priority is being sustainable. Metallurgy for each metal is different. There is no one-size-fits-all approach, but there is a large opportunity to generate more value by moving from incremental improvements to an overall transformation shift. One of the main drivers towards that shift is certainly through collaborations and partnerships between different technological disciplines, and also between industry, R&D labs, academia and plant and equipment designers. It is also beneficial to share knowledge across the industries

to integrate new technical developments into operations and generate higher value. IIT Hyderabad will be glad to collaborate with the industries visiting MMMM 2024 towards Viksit Bharat.

I wish a grand success in this endeavour

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**Shri. Narinder Bhamra**  
President  
Fastener Manufacturers  
Association of India (Regd.),  
Ludhiana

I am happy to know that Hyve India in support with World Metal Forum (WMF) is HTF & CWE 2024, India's Largest Exhibitions on Hand Tools, Power Tools, Hardware, Fasteners, Cutting, Welding & Laser Technology, scheduled during 27-29 September 2024, at Yashobhoomi, Dwarka, New Delhi.

I hope that such events will open new horizons for product showcasing and business interactions and address the needs of the Fastener, Tools & manufacturing industries.

I am sure that the participants attending this event will draw the maximum advantage from this opportunity.

On behalf of the Fastener Manufacturers Association of India, I extend my best wishes for the success of the event

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**Dr. G. Satheesh Reddy**  
President  
The Aeronautical Society  
of India (AeSI)

I am glad to know that Hyve India in association with IIM-DC and active support of multiple Ministries and World Metal Forum (WMF) is organizing MMMM 2024, 14th International Exhibition, Conference, Open Seminar and Business Meets on Minerals, Metals, Metallurgy & Materials during September 27- 29, 2024, at Yashobhoomi, Dwarka, New Delhi.

It is a good concept to organize such collocated events as a Business Carnival for Metal, Machinery, Manufacturing & Maintenance Industries. These sectors have emerged as diversified and specialized industry that produces numerous types of equipment's, instruments etc that comes

in various utilities. Such collaborative mechanisms play a great role in making the country Atmanirbhar. It is a matter of great pride that the Souvenir cum Show Catalogue will be brought out during the event containing articles on the industry, capabilities and profiles of the participants. I hope this leading Trade Event will provide an ideal business networking platform for the industry professionals and will go a long way to serve the need of the Indian Metals, Mahinery and allied industries. I am sure that exhibitors and trade visitors to the event will draw the maximum advantage from the opportunity. I wish great success to all Exhibitors, Delegates and Organizers Date: 19th September 2024





**Shri. Prabhakar Rao**  
President  
Indian Sugar & Bio-energy  
Manufacturers Association

It is with great enthusiasm that we extend our warmest wishes for the success of the Grand Business Carnival of Metal, Machinery, Manufacturing, and Maintenance Industries. This prestigious event not only highlights the innovation, expertise, and collaboration that drive industries forward but also serves as a testament to the dedication and passion of all those involved. May this carnival be a fruitful opportunity for forging new partnerships, showcasing groundbreaking technologies, and fostering growth. Here's to a future of continued success and progress for all participants.

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**Shri. Rituraj Bos**  
Secretary General  
The Indian Institute  
of Welding

It gives me immense pleasure to know that Hyve India in support with World Metal Forum (WMF) is organizing HTF - CWE 2024, India's Largest Exhibition on Hand tools, Power tools, Hardware, Fasteners, Cutting, Welding and Laser Technology, scheduled during 27-29 September 2024, at Yashobhoomi, Dwarka, New Delhi.

I hope that such event will open new horizon for product showcasing and business interactions, addressing the needs of the Fastener, Tools, Manufacturing and Welding industries, also will create the right business climate for the growth across every level and prove to be a business platform to link metal units in the industry. The Indian Institute of Welding (IIW-India), a Premier Professional Institute in India for the advancement of Welding Science and Technology, is continuously supporting significant exhibitions like these where Indian industries will be benefitted, as we believe that there is contribution of a little bit of welding in our everyday life. I am sure that the participants attending this event will draw the maximum advantage from this opportunity along with knowledge enhancement of advanced technologies.

On behalf of IIW-India, I extend my best wishes to all the participants, delegates, and organizers for the success of this event.

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**Shri. R K Sharma**  
Secretary General  
Federation of Indian  
Mineral Industries

I am glad to know that Hyve India in association with IIM-DC and active support of various Ministries and World Metal Forum (WMF) is organizing MMMM 2024, 14th International Exhibition, Conference, Open Seminar and Business Meets on Minerals, Metals, Metallurgy & Materials during September 27-29, 2024, at Yashobhoomi, Dwarka, New Delhi.

It seems to be a nice concept of organizing such collocated events as a Business Carnival for Metal, Machinery, Manufacturing & Maintenance Industries. These sectors have emerged as a diversified and specialized industry that produces numerous types of instruments that comes in various use. I am so happy to note that this Souvenir cum Show Catalogue will be brought out during the event containing articles on the industry, and profiles of the participants. I hope this leading Trade Event will provide an ideal business networking platform for the

industry professionals and all will go a long way to serve the need of the Indian Metals, Machinery and allied industries. I am sure that exhibitors and trade visitors to this event will draw the maximum advantage from this opportunity.

I wish grand success to MMMM 2024.





**Dr. Komal Kapoor**

Chief Executive, NFC & Vice President (Non-Ferrous), IIM, Department of Atomic Energy

It gives me immense pleasure to learn that the IIM Delhi Chapter is organizing International Conference and Exhibition on Minerals, Metals, Metallurgy & Materials (MMMM-2024) with the Theme Process & Product Innovations in Metal Production. MMMM has established itself as a prestigious international event and is awaited excitedly by mining and metallurgical community in the Country.

Though there are lot of achievements and developments in Indian Mineral and Metal Domain, challenges never end. Industry has to find new economic solutions for reducing GHG emission and continuously make innovative efforts to adopt more resource efficient concepts, technologies and systems.

I hope the Conference will provide a comprehensive overview of technological trends and intelligent solutions for the emerging challenges and help to form meaningful business partnership among technology suppliers, equipment manufacturers, design and consultancy organizations and mineral and metal producers for green and efficient technology development and adoption. I wish the Conference a huge

I wish the Conference a huge success and congratulate the IIM Delhi Chapter for organizing this important event.

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**Shri. Amarendu Prakash**

Chairman, Steel Authority of India Limited

I am pleased to learn that the Delhi Chapter of The Indian Institute of Metals is organizing an International Conference and Exhibition on Minerals, Metals, Metallurgy and Materials (MMMM 2024) at Yashobhoomi, New Delhi during 27-29 September 2024.

Process and Product Innovation s in Metal production is a marathon, not a sprint. The various stages involved in the metal and alloy production processes are complex and energy-hungry. Each stage in uences the quality and cost of the final product, and is monitored individually. Focus is also on reducing the capital and operating costs of our installations.

I sure the deliberations in the International Conference and presentation of state-of-the-art technology and equipment by globally reputed organizations in the exhibition shh provide valuable inputs to business environment in the country.

I wish MMMM 2024 a grand success

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**Dr. Surendra Singh**

Technical Advisor Agricultural Machinery Manufacturers Association (AMMA- India)

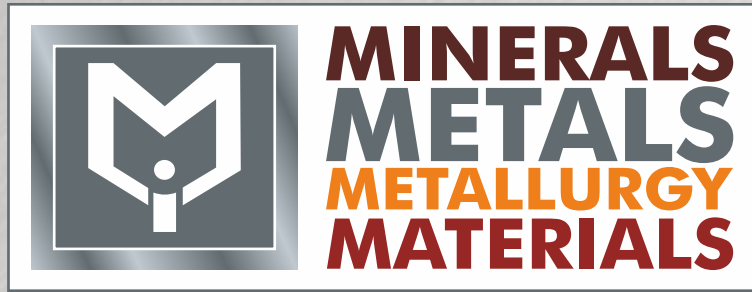
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I hope that such events will open new horizons for product showcasing and business interactions and address the needs of the Fastener, Tools & manufacturing industries and users. I am sure that the participants attending this event will draw the maximum advantage from this opportunity.

On behalf of Agricultural Machinery Manufacturers Association (AMMA-India), I extend my best wishes for the success of the event.



# The Organizer of



## 14<sup>th</sup> International Exhibition and Conference on Minerals, Metals, Metallurgy & Materials

Co-located Shows



India's Largest Exhibitions on Hand Tools, Power Tools, Hardware, Fasteners, Cutting, Welding & Laser Technology

*Wish to Thanks*

### Industry for their Support

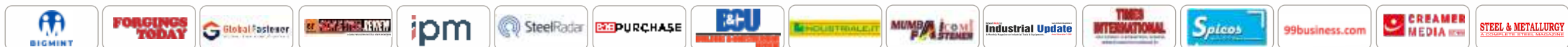


Fastener Manufacturers Association of India (Regd.)

### WMF - THE FOUNDER GROUP TRADE BODIES



### MEDIA FOR THEIR SUPPORT





The **global steel market** is projected to cross over **USD 1.43 Trillion** by the end of 2030.

India is the world's second-largest producer of crude steel and has produced **120 million** tonne (MT) of crude steel during financial year ended March 31, 2022, the output was about **18 per cent** higher compared to the country's production in the preceding fiscal year which was **102 MT steel** in 2021.

The growth in the Indian steel sector has been driven by the domestic availability of raw materials such as iron ore and cost-effective labour. Consequently, the steel sector has been a major contributor to India's manufacturing output.

India's finished steel consumption is anticipated to increase to **230 MT** by 2030-31 from **133.596 MT** in FY22.

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

Huge scope for growth is offered by India's comparatively low per capita steel consumption and the expected rise in consumption due to increased infrastructure construction and the thriving automobile and railways sectors.

Under the Union Budget 2022-23, the government allocated **Rs. 47 crore (US\$ 6.2 million)** to the Ministry of Steel.





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, Minerals, Metals, Metallurgy, Materials and allied 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 organized in association with IIM-DC and active support of World Metal Forum (WMF)

**MMMM 2024 was Supported by the Ministries of Steel, Coal, Electronic & Information Technology, Commerce & Industry, Government of India.**

#### **Few Highlights of the event**

- Open Seminar On **“Green Steel Production: Sustainable Practices and Carbon Reduction”** by Metalogic
- International Conference On **“Process & Product Innovations in Metal Production”** by IIM-DC
- Business Meets on **“Latest Technology for Manufacturing & Maintenance Industries”** by WMF



**The event was inaugurated by Shri. Bhupathiraju Srinivasa Varma Hon'ble Minister of State, Ministry of Steel, Government of India in the presence of other Government officials, Trade Bodies and eminent leaders from Metal, Manufacturing and allied 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:

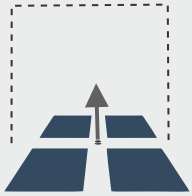
- Aerospace & Defense
- Automobile Industry
- Casting, Forgings and Foundry
- Component Manufacturers
- Consulting Service providers
- Electrical & Electronics Industry
- EPC Companies
- Fabricators
- Iron and Steel Production
- Non-Ferrous Metals Production
- OEMs
- Power Transmission and Distribution
- 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



# THE INAUGURATION

**Shri Bhupathiraju Srinivasa Varma**  
Hon'ble minister of State, Ministry of Steel, Government of India  
formally inaugurated the event in presence of other leaders of  
steel & allied Industries.





**18,000** Sqm  
GROSS EXHIBITING AREA



**253**  
EXHIBITING COMPANIES



**10**  
EXHIBITING COUNTRIES  
Canada, China, Hong Kong, India,  
Italy, Korea, Portugal, South Africa,  
Taiwan, Turkey



**9,017**  
UNIQUE VISITORS



**300+**  
DELEGATES



**SUPPORT FROM**  
MAJOR TRADE ASSOCIATIONS  
AND WORLD METAL FORUM



BUSINESS MEETS ON  
***“Latest Technology for Manufacturing  
& Maintenance Industries”***  
by WMF



INTERNATIONAL CONFERENCE ON  
***“Process & Product Innovations  
in Metal Production”***  
by IIM- Delhi Chapter



INTERNATIONAL OPEN SEMINAR ON  
***“Green Steel Production: Sustainable  
Practices and Carbon Reduction”***  
by Metalogic



International Conference on

# “Process & Product Innovations in Metal Production”

by IIM- Delhi Chapter

**Day 1** September 27, 2024

### Technical Session 1

#### Product Development & Applications

- Dr. Monojit Dutta, Tata Steel, (Invited Paper)
- Mr A. Chatterjee, RDCIS, SAIL, Ranchi
- Mr Immanuel Raju Kola, JNARDDC, Nagpur
- Dr. Pradyut Sengupta, IMMT, Bhubaneswar
- Dr. Ashwani Kumar, IIT Delhi

### Technical Session 2:

#### Process Innovations in Steel & Metal Sector

- Dr. Dayanand Paswan, CSIR-NML, Jamshedpur
- Mr Viswanath Ammu, JNARDDC, Nagpur
- Mr Kumar Abhishek, RDCIS, SAIL, Ranchi
- Dr. M Manikandan, Vellore Institute of Technology, Vellore
- Mr Chandan Kumar, RDCIS Bokaro Centre, SAIL



**Day 2** September 28, 2024

### Technical Session 3

#### Decarbonisation of the Metal Sector

- Dr. Joachim Scheele, Linde Plc, (Invited Paper)
- Dr. Shilpi Kapur, EMC, (Invited Paper)
- Mr. B. K. Das, RDCIS, SAIL, Ranchi
- Mr. Jaydeep B Jadhav, EMD, SAIL, Kolkata
- Mr. Gaurav Verma, M N Dastur & Co
- Mr. N. P. Srivastava, Bokaro Steel Plant, SAIL
- Mr. Nirmalya Deb, BigMint, Raipur

### Panel Discussion II

Decarbonisation of the Metal Sector and Strengthening R&D Ecosystem

### Technical Session 4

- New Technologies
- Mr. Manoranjan Ram, Danieli India Ltd, (Invited Paper)
- Mr. Praveen Chaturvedi, Tenova Technologies Pvt. Ltd. (Invited Paper)
- Mr. Navneet Singh, Yogiji Digi, Faridabad (Invited Paper)
- Prof. S B Singh, IIT Kharagpur (Invited Paper)
- Mr. Santanu Saha, MIDHANI

### 1600 – 1730 Hrs: Technical Session 5 Recovery, Recycling & Waste Management

- Dr. Bhupinder Singh, IARI, Pusa, (Invited paper)
- Mr. Mohinder Singhania, Attero Recycling Pvt. Ltd., Noida
- Mr. Alok Kumar Mathur, Bhilai Steel Plant, SAIL
- Ms. Alopi Banerjee, Durgapur Steel Plant, SAIL
- Ms. Shaila Mir, IIT Roorkee

**Day 3** September 27, 2024

### Technical Session 6

#### Raw Material Beneficiation & Advanced Refractory Material

- Mr. Pitamber Adhikari, Calderys India Refractories Pvt. Ltd
- Mr. J N Panda, IMMT, Bhubaneswar
- Mr. Rahul Kumar, Calderys India Refractories Pvt. Ltd.

### Technical Session 7

#### Digitalisation and Smart Technologies

- Mr. Manoj Arora, KJSS COSMOS
- Dr. Sanjay K Prasad, Global Energy & Resource Industry
- Dr. S B Saraswat, Global Institute of E-Commerce
- Mr. Vikas Agnihotri, Consultant, SAP

### Valedictory Session



International Open Seminar on  
**“Green Steel Production: Sustainable Practices and Carbon Reduction”**  
 by Metalogic

**Day 1** September 27, 2024

**Conference Opening:**

- Ms. Monica Bachchan Duvvuri, Founder & CEO, Metalogic PMS

**Theme setting:**

- Ms. Neha Verma, IFS, Director Ministry of Steel, GOI

**Key Note Address by Special Invitee:**

- Sh. Nagendra Nath Sinha, Former Secretary, Ministry of Steel

**Special invitees Industry note:**

- Mr. RK Goyal, Managing Director, Kalyani Steels
- Mr. VR Sharma, Vice Chairman, Advisory Group, JSP
- Mr. Aseem Gill, Vice President, Yogiji Digi
- Mr. Subhankar Sen, Business Head (Lubes), Bharat Petroleum Corporation Limited

**Chief Guest**

- Sh. Bhupathiraju Srinivasa Varma, Minister of State, Ministry of Steel

**Session 1 – Green Steel Production Processes - Overview and Innovations**

**Speakers:**

- Mr. Kondapalli Venkat – Section Head – Automotive & Yellow Goods – Technical Marketing –ArcelorMittal Nippon Steel India
- Mr. Gaurav Verma, DGM-Business Development & Branch Head, M. N. Dastur & Co. (P) Ltd
- Mr. Nitin Srivastava, Founder -Greengine Environmental Technologies Pvt Ltd
- Mr. Satyaki Dasgupta, General Manager - ECO solutions, Iron and Steel, Primetals Technologies India, Pvt. Ltd.
- Mr. Sohail Akhtar- Chief General Manager, Marketing, Bharat Petroleum Corporation Limited

**Session 2 – Market Trends and Opportunities in Green Steel Production**

**Speakers:**

- Sh. Ajay Yadav, Joint Secretary, MNRE&C
- Mr. Mohit Kapoor, Warehouse Association of India
- Mr. Manish Mishra, Chief of Corporate Affairs, Tata Steel Ltd
- Mr. Arvind Singh – Vice President - Sales, SPP Sulzer India

**Session 2 – Market Trends and Opportunities in Green Steel Production**

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**Session 3 – Case Study Presentations: Successful Implementation of Green Steel**

**Projects – Overview, Challenges, Achievement & Lessons Learned**

**Speakers:**

- Mr. Varun Jindal, Managing Director, Dev Energy
- Mr. Naresh Lalwani, EVP and Head, Renewable Energy, JSW Steel
- Mr. Anish A. Surya, General Manager, Sales (KAM),





International Open Seminar on  
**“Green Steel Production: Sustainable Practices and Carbon Reduction”**  
 by Metalogic

**Day 2** September 28, 2024

Recap and Introduction to Day 2

**Session 1:** Future of Iron Making in the Era of Green Steel Production & Task Force for Green Steel

**Speakers:**

- Sh. Saraswati Prasad, Former Special Secretary, Ministry of Steel
- Sh. Aniruddha Kumar, Former Add. Secretary, MNRE
- Mr. Rajiv Ranjan, CGM, Business Planning Group, Steel Authority of India Ltd.

**Technical Session 1:** Decarbonization Techniques in Iron Making

**Speakers:**

- Mr. Paramjeet Singh, Add. Industrial Advisor, Ministry of Steel
- Mr. Naveen Ahlawat, Head-Power to X, Green Hydrogen, Green Steel, Gasification projects & CCSU, Jindal Steel & Power
- Mr. Atul Kumar, Director – Vertical Markets (Metals & Cement) and Key Accounts, Siemens Energy
- Mr. Praveen Chaturvedi, Sr VP & Head – Sales Upstream India, TenovaTechnologies Pvt Ltd

**Technical Session 2:** Role of Technology and Innovation in Green Iron Making

**Speakers:**

- Mr. Rajesh, Sr. Manager, Xian ShaanGu Power Co. Ltd
- Mr. Parth Kumar, Programme Manager | Industry Programme | Centre for Science and Environment



Business Meets on

# “Latest Technology for Manufacturing & Maintenance Industries”

by WMF

**Day 1** September 27, 2024

**Session 1**

Topic: Role of AI and Robotics in Transforming Steel Technology

Speaker: Mr. Raj Kumar Sharma, President (All India Council for Robotics & Automation - AICRA)

**Session 2**

Topic: Achieving Lubrication Reliability through IIOT in Maintenance Practices

Speaker:  
Mr. Anshuman Agrawal, Founder & MD (Minimac Systems Pvt. Ltd.)

**Session 3**

Topic: Lead Battery Recycling solutions for a sustainable future

Speaker:  
Mr. Pradeep Jain, Director (PSR Metals Pvt. Ltd.)

**Session 4**

Topic: Financing opportunities for MSME in Metal sector for domestic and export/ import transaction

Speaker:  
Mr. Roman Volkov, Founder and MD (Metal-Market.in)



**Day 2** September 28, 2024

Opening Remarks and Welcome by Hyve India

**Session 1**

Topic: How AutoCAD is helping manufacturing technologies to evolve

Speaker:  
Mr. R. Ajithprabhakar, Specialist - Solution Sales (TD SYNEX)

**Session 2**

Topic: Hand Tools Manufacturing in India & Its Global positioning

Speaker:  
Mr. Rajesh Peshion, General Manager Marketing (Osho Tools Pvt. Ltd.)

**Session 3**

Topic: Zero Mechanical Wear Machine - Magnetic Bearing Compressor - A Future with Low Maintenance

Speaker:  
Mr. Arvind Singh, Vice President (Sulzer Pumps India Pvt.Ltd.)

**Session 4**

Topic: Operational Efficiency Improvement

Speaker:  
Mr. Kumar Kartikeya, Ex. Group Project Head (JSW Steel & Rungta MinesLtd.)



**Day 3** September 28, 2024

Opening Remarks and Welcome by Hyve India

**Session 1**

Topic: Pit To Port Digitalisation Addressing Logistics, Labour or Capital - Major Challenge for the Indian Steel Industry

Speaker:  
Mr. Mansur Faroqui, CEO and Co-Founder (Linqhaul India Pvt. Ltd.)

**Session 2**

Topic: Zero Carbon Emission Vision

Speaker:  
Mr. Raj Kumar, Joint Director (Ministry of Steel – Government of India)

**Session 3**

Topic: Role of Technology in the Recycling to achieve circularity

Speaker:  
Mr. Sujeet Samaddar, Founder and Secretary (Society for Aerospace Maritime and Defence Studies)

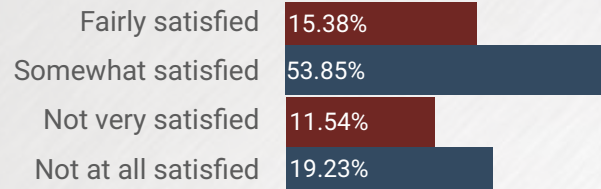
**Session 4**

Topic: Industry 4.0 – Managing the Skill Gap & Workforce Training

Speaker:  
Mr. Sanjay Bhardwaj, Industry & Strategy Head (Capital Goods & Strategic Skill Council)

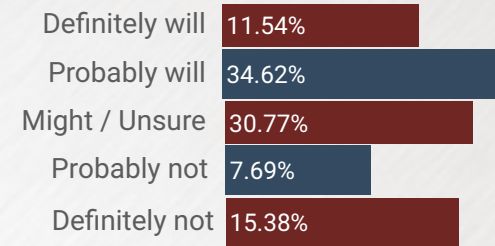


## OVERALL SATISFACTION



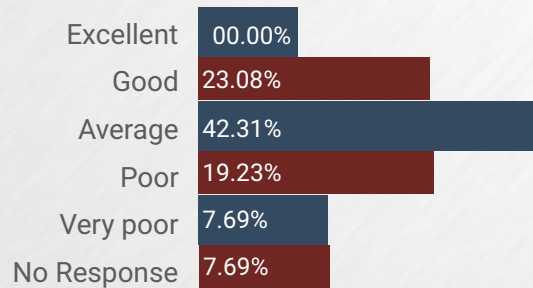
😊 69% are Satisfied with shows

## LIKELIHOOD TO RETURN NEXT YEAR



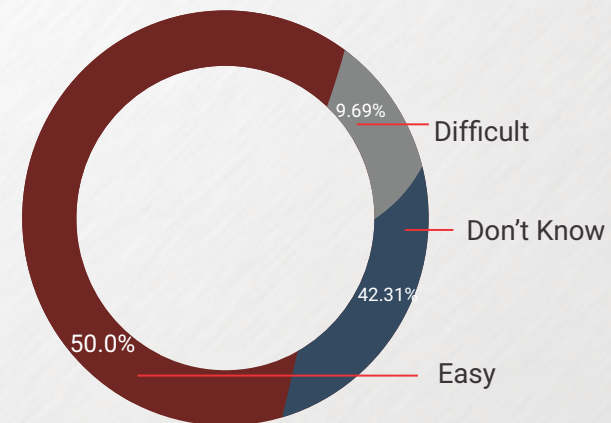
😊 77% are likely to return for MMMM 2026 next edition.

## OVERALL RETURN ON INVESTMENT



23% exhibitors agree that exhibition delivered a better ROI for them

## NET EASY SCORE





## Special Commendation-Lubricants

- Bharat Petroleum Corporation Ltd

## Special Commendation-Gears, Motors & Gearbox

- Boneng Transmission India Pvt Ltd

## Special Commendation-Bearing & Shafts

- Eastern Bearings Pvt. Ltd.

## Special Commendation-Pumps & Valves, Quality control

- Edwards India Pvt Ltd

## Special Commendation-Induction Furnace and Heat Treatment, Steel and Steel Structures, Pipes and Tubes

- Electrotherm (India) Ltd.

## Special Commendation-Cranes, Forklift & Trucks

- Elite Steels Pvt Ltd

## Special Commendation-Refractories

- Liaoning Yuxin Hi-tech New Material Co. Ltd

## Special Commendation-Transportation and Logistics

- LinqHaul India Pvt Ltd

## Special Commendation-Quality Control

- Metal Power Analytical Pvt Ltd

## Special Commendation-Mineral Development Corporation

- NMDC Limited

## Special Commendation-Gears, Motors & Compressors

- Power Build Private Limited

## Special Commendation-Locomotives, Lubricants & Greases

- Shell India Markets Pvt Ltd

## Special Commendation-Filtration & Separation

- Sidermag India Pvt Ltd

## Special Commendation-Pumps & Valves

- Sulzer Pumps India Private Limited

## Special Commendation-Gears, Motors & Compressors

- Taier Heavy Industry Co. Ltd





# Metal, Machinery & Manufacturing Industry

## BUSINESS CARNIVAL FOR INDIA'S GROWING INDUSTRIAL SECTORS

The country's largest exhibition for the metal, machinery, manufacturing, and maintenance industries will bring together over 250 exhibitors

Deep Jha | @deepjha03

India has made significant strides in its engineering sector. The country exports transport equipment, capital goods, other machinery/equipment and light engineering products to different countries. Manufacturing of these machines and equipment requires a large number of nuts, screws, bolts, studs, rivets, and various other fasteners. Moreover, the rising construction and infrastructure activities in the country is also driving the demand and growth of these products.



Keoping in view the increasing demand, India's largest exhibition for the Metal, Machinery, Manufacturing, and Maintenance industries will be held from September 27 to 29, 2024, at Yashobhooni, Dwarka, New Delhi. The expo promises to be a key platform for showcasing new technologies, fostering business connections and discussing the future of India's booming industrial sectors. The grand business event, organized by WMAE, is set to bring together over 250 exhibitors and 12000 registered trade visitors from across the country and beyond.

The event will feature four key expos—MIF Expo, CWE Expo, IMEX and UMEX—alongside the flagship WMMAM Expo, which focuses on materials, metals, metallurgy, and machinery. The WMMAM 2024 expo is supported by a line minister of the Government of India including the Ministry of Steel, Ministry of Coal, Ministry of Commerce and Industry, and Ministry of Electronics & Information Technology. The

chief guest Bhupathiraju Srinivasa Varma, Minister of Steel for the Ministry of Steel.

**FOUR EXPOS UNDER ONE ROOF**

The MIF Expo will showcase new technologies, fostering business connections and discussing the future of India's booming industrial sectors. The WMMAM 2024 Expo has attracted top companies and industry players from around the world. Co-organized with the Indian Institute of Metals (IIM) and supported by the World Metal Forum (WMAE), the event will be a hub for knowledge exchange, collaboration, and business.

cutting-edge technology in engineering and manufacturing through the TECHNEMA Expo, which will display innovations such as pumps, compressors, and industrial solutions. This year, special attention will be given to industrial internet of Things (IIoT) and smart manufacturing techniques, ensuring that attendees get a glimpse of the future of industrial processes.

### CONSUMER CONNECT INITIATIVE

**Innovation in metal production:** Hosted by IIM Delhi Chapter, this conference will cover the emerging developments and technologies in the metal industry.

**Exclusive steel manufacturers networking session:** This also will provide a unique networking opportunity for manufacturers, CEOs, and industry leaders to discuss strategic partnerships.



**Business meets an new technologies in manufacturing and maintenance:** These sessions will focus on the latest technology for manufacturing and maintenance industries.

**Business meets an new technologies in manufacturing and maintenance:** These sessions will focus on the latest technology for manufacturing and maintenance industries.

industries can take to align with global sustainability goals and the government's push towards greener production methods.

"Green steel production is not just a choice but a necessity if India is to lead the world in sustainable industrial practices, the decarbonization of steel and other heavy industries must be at the forefront of this revolution," says Capan Sabir, director, New India F101. So, don't miss out on the



## यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

सवेरा न्यूज/आकाश द्विवेदी

नई दिल्ली, 24 सितम्बर : राजधानी खनिज, चातु, चातुर्कर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो की मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर तक इंडिया इंटरनैशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटलस, मेटलजी और मेटैरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा। हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गणन साहनी ने सोमवार को एक्सपो की तैयारियों को जानकारी देते हुए कहा कि प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे।

## यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

**श्राव टाइम्स संवाददाता**

**नई दिल्ली:** राजधानी नई दिल्ली खनिज, चातु, चातुर्कर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो की मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनैशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटलस, मेटलजी और मेटैरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा। हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गणन साहनी ने सोमवार को एक्सपो की तैयारियों को जानकारी देते हुए कहा कि प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे। साहनी ने यह भी बताया कि इस कार्यक्रम का आयोजन इंडियन इंस्टीट्यूट ऑफ मेटल-फिनिश पीटर और

वर्ल्ड मेटल फोरम के सहयोग से किया जा रहा है। इसका 2024 संस्करण में चीन, यूरोपीय देशों और रुस के लिए आगम-आगम परेडिक्शन बनाए जाएंगे, जो व्यापार और तकनीकी सहयोगों को बढ़ावा देगा। एमएमएमएम 2024 एक्सपो में विभिन्न संयुक्त उद्यम, सहकारिताएं, निवेश और तकनीकी आदान-प्रदान से देश में खनिज, चातु और सामग्री उद्योगों की प्रगति को बल मिलेगा। यह अंतरराष्ट्रीय प्रदर्शनी न केवल व्यापार को आगे बढ़ाने का मौका देती बल्कि सर्वश्रेष्ठ तकनीकें और नवाचारों में नए अवसर भी प्रदान करती है। साहनी ने कहा कि 2023 के वित्तीय वर्ष में भारत के वित्तियोग क्षेत्र में 4.7% की वृद्धि हुई, जिसका श्रेय विधानन, भारी इंडीनिफिकेशन, चातु, चातु, कृषि और इन्फ्रास्ट्रक्चर जैसे प्रमुख क्षेत्रों में हुई व्यापक प्रगति को जाता है। इस संस्करण में उद्योग नेताओं के साथ संवाद करने का सुवहारा अवसर मिलेगा, जो इन क्षेत्रों में अग्रे बढ़ने के लिए बेहतर महत्वपूर्ण साधक होगा।

# Metal, Machinery & Manufacturing Industry

## Final Day of India's Largest Industrial Exhibition: Celebrating Achievements and Looking Ahead

Yashobhooni, Dwarka— As we reach the final day of India's Largest Exhibition for Metal, Machinery, Manufacturing, and Maintenance, held from September 27-29, it's time to reflect on the remarkable journey we've experienced over the past few days. This event has successfully showcased seven key expos centered on Metal, Machinery, Manufacturing, and Maintenance, attracting thousands of industry professionals eager to explore innovations and foster valuable connections.

CWE, which highlights Advanced Cutting and Welding Equipment & Technology, including Laser Technology, IMEX for the latest in Machine Tools such as CNC, Laser, Shot Blasting, and Measuring & Testing Equipment; UMEX, focused on Economical Pre-owned Machinery; TECHNEMA, showcasing Engineering and Manufacturing solutions like Pumps, Valves, and Compressors; and WMMAM, the largest and most prestigious event on Minerals, Metals, Metallurgy & Materials.

As we conclude India's opportunities, formed new partnerships, and driven significant deals that will fuel growth in the months to come. Largest Industrial Exhibition today, the final day promises impactful sessions that will provide valuable insights into the metal, machinery, and manufacturing sectors. A key highlight is the Metal Industry together industry leaders and investors to explore new opportunities, investments, and sustainable practices.

The final day a fitting conclusion to this successful event. The networking opportunities have proven invaluable, with many exhibitors and visitors forming collaborations that promise to drive innovation and growth within the industry. As we conclude this event, we encourage all attendees to take advantage of the last chance to connect with peers, share ideas, and explore potential partnerships. The exhibition floor is still open, featuring over 250 leading exhibitors showcasing their latest products and technologies. This is a final opportunity for visitors to engage directly with manufacturers and suppliers, gaining firsthand knowledge of solutions that can enhance their operations. As we look forward to future events, the success of this exhibition reinforces the importance of collaboration and innovation in driving the industry forward. We thank all exhibitors, speakers, and attendees for their active participation and enthusiasm throughout



the event. Join us as we close out this extraordinary exhibition. The exhibition is open to all trade visitors from 10 AM to 4 PM on 29 September each day. Entry is free for pre-registered attendees, and on-the-spot registrations will also be available at the venue. Please note that children under 18 years and infants in arms are not permitted in the exhibition hall. Event Location: Yashobhooni (ICC), Dwarka, New Delhi

The event began with a grand inauguration ceremony, officiated by the distinguished Chief Guest, Sh. Bhupathiraju Srinivasa Varma, Hon'ble Minister of State for Steel, Government of India. His presence marked the start of a highly dynamic and impactful gathering, setting the tone for an extraordinary showcase of industry advancements and opportunities.



As we enter the final day of India's Largest Industrial Exhibition at Yashobhooni, Dwarka, the synergy of six major expos has created an unparalleled platform for the metal, engineering, manufacturing, and machine tools industries. This amalgamation includes MIF for Advanced Hand Tools, Power Tools, and Fasteners;

Together, these expos have formed an extended platform that showcases the strength, innovation, and expertise of both the Indian and international manufacturing and technology sectors. Over the last two days, exhibitors and visitors alike have seized

driving growth in the metal industry. As the exhibition wraps up, participants can take advantage of these last sessions to gain actionable strategies, strengthen networks, and explore business opportunities, making

Join

# WMAE

WORLD METAL FORUM

A Step Forward the Industry

www.worldmetalforum.org

## यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

**यशोभूमि ट्रेड, नई दिल्ली**

राजधानी नई दिल्ली खनिज, चातु, चातुर्कर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो की मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनैशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटलस, मेटलजी और मेटैरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा। हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गणन साहनी ने सोमवार को एक्सपो की तैयारियों को जानकारी देते हुए कहा कि प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे। साहनी ने यह भी बताया कि इस कार्यक्रम का आयोजन इंडियन इंस्टीट्यूट ऑफ मेटल-फिनिश पीटर और वर्ल्ड मेटल फोरम के सहयोग से किया जा रहा है। इसका 2024 संस्करण में चीन, यूरोपीय देशों और रुस के लिए आगम-आगम परेडिक्शन बनाए जाएंगे, जो व्यापार और तकनीकी सहयोगों को बढ़ावा देगा। एमएमएमएम 2024 एक्सपो में विभिन्न संयुक्त उद्यम, सहकारिताएं, निवेश और तकनीकी आदान-प्रदान से देश में खनिज, चातु और सामग्री उद्योगों की प्रगति को बल मिलेगा। यह अंतरराष्ट्रीय प्रदर्शनी न केवल व्यापार को आगे बढ़ाने का मौका देती बल्कि सर्वश्रेष्ठ तकनीकें और नवाचारों में नए अवसर भी प्रदान करती है। साहनी ने कहा कि 2023 के वित्तीय वर्ष में भारत के वित्तियोग क्षेत्र में 4.7% की वृद्धि हुई, जिसका श्रेय विधानन, भारी इंडीनिफिकेशन, चातु, चातु, कृषि और इन्फ्रास्ट्रक्चर जैसे प्रमुख क्षेत्रों में हुई व्यापक प्रगति को जाता है। इस संस्करण में उद्योग नेताओं के साथ संवाद करने का सुवहारा अवसर मिलेगा, जो इन क्षेत्रों में अग्रे बढ़ने के लिए बेहतर महत्वपूर्ण साधक होगा।

## यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

**नई दिल्ली 24 सितम्बर (एएसएस):** राजधानी नई दिल्ली खनिज, चातु, चातुर्कर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो की मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनैशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटलस, मेटलजी और मेटैरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा। हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गणन साहनी ने सोमवार को एक्सपो की तैयारियों को जानकारी देते हुए कहा कि प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे। साहनी ने यह भी बताया कि इस कार्यक्रम का आयोजन इंडियन इंस्टीट्यूट ऑफ मेटल-फिनिश पीटर और वर्ल्ड मेटल फोरम के सहयोग से किया जा रहा है। इसका 2024 संस्करण में चीन, यूरोपीय देशों और रुस के लिए आगम-आगम परेडिक्शन बनाए जाएंगे, जो व्यापार और तकनीकी सहयोगों को बढ़ावा देगा। एमएमएमएम 2024 एक्सपो में विभिन्न संयुक्त उद्यम, सहकारिताएं, निवेश और तकनीकी आदान-प्रदान से देश में खनिज, चातु और सामग्री उद्योगों की प्रगति को बल मिलेगा। यह अंतरराष्ट्रीय प्रदर्शनी न केवल व्यापार को आगे बढ़ाने का मौका देती बल्कि सर्वश्रेष्ठ तकनीकें और नवाचारों में नए अवसर भी प्रदान करती है। साहनी ने कहा कि 2023 के वित्तीय वर्ष में भारत के वित्तियोग क्षेत्र में 4.7% की वृद्धि हुई, जिसका श्रेय विधानन, भारी इंडीनिफिकेशन, चातु, चातु, कृषि और इन्फ्रास्ट्रक्चर जैसे प्रमुख क्षेत्रों में हुई व्यापक प्रगति को जाता है।



# Metal, Machinery & Manufacturing Industry

HINDUSTAN TIMES MEDIA MARKETING INITIATIVE

## The Grand Launch of India's Premier Manufacturing and Metal Industrial Exhibition at Yashobhoomi, Dwarka

### A Grand Showcase for Metal, Machinery, Manufacturing, and Maintenance

On September 27, 2024, the highly anticipated exhibition for the Metal, Machinery, Manufacturing, and Maintenance industries has finally opened its doors today at Yashobhoomi, Dwarka, New Delhi, in what promises to be a landmark event for the industry. Organized by Hyve India, this event is set to be a showcase of innovation, featuring over 250 top exhibitors attracting more than 12,000 visitors from across the region and around the globe. Industry professionals, leaders, and innovators are converging to witness the latest cutting-edge technologies and solutions driving the future of metal, machinery, manufacturing, and maintenance. The event will feature six major sessions: **HTF for Advanced Tools, Power Tools, and Generators**; **CWE for Advanced Welding and Welding Equipment Technology**, including Laser Technology; **IMEX for the Latest Heavy Tools** (CNC, Laser, Shot Blasting, Measuring & Testing Equipment, and more); **UMEX for Industrial Pre-owned Machinery in the Industry**; **TECHINDIA for Engineering and Manufacturing Solutions**, including Pumps, Valves, Compressors, and more; and **MMMM**, the most and most prestigious event in the Minerals, Metals, Metallurgy & Materials.

MMMM 2024 is supported by the Ministries of Steel, Coal, Electronic & Information Technology, Commerce & Industry, Government of India and honored to have the Hon'ble Minister of Steel, Government of India, invited to formally inaugurate the event, alongside the former Secretary of the Ministry of Steel and leaders from the steel and allied industries. This series of expos serves as a comprehensive platform for the metal, engineering, manufacturing, and machine tools



sectors, showcasing the innovation and strength of both Indian and international manufacturing and technology industries. The event will commence with an inauguration ceremony, led by our esteemed Chief Guest, Sh.

Bhupathiraju Srinivasa Varma, Hon'ble Minister of State for the Ministry of Steel, Govt. of India marking the beginning of a dynamic and impactful gathering. Attendees will experience a wealth of activities, including: **An International Open Seminar On Green Steel Production: Sustainable Practices and Carbon Reduction** powered by Metalogic, where we anticipate valuable insights from prominent industry figures. The session will open with an inaugural address by Ms.



Neha Verma, IFS, Director, Ministry of Steel, followed by a keynote speech from Sh. Nagendra Nath Sinha, Former Secretary, Ministry of Steel. We have invitees such as Mr. SS Mohanty, CEO & MD, Essar

Minmet & Former President of The Indian Institute of Metals, Mr. VR Sharma, Vice Chairman of the Advisory Group at JSP, Mr. Subhankar Sen, Business Head (Lubes) at Bharat Petroleum Corporation Limited, Mr. Sanjay Mehta, President - MRAI and MD of MTC Steel, Mr. Aseem Gill, Vice President at Yogi Digi, and, to share their insights **International Conference on Process & Product Innovations in Metal Production** Hosted by the IIM Delhi Chapter, this conference will cover the emerging developments and technologies in the metal industry. **Exclusive Steel Manufacturers Networking Pavilion:** This area will provide a unique networking opportunity for manufacturers, CEOs, and industry leaders to discuss strategic partnerships.

**Business Meets on New Technologies in Manufacturing and Maintenance:** These sessions will focus on the LATEST TECHNOLOGY FOR MANUFACTURING & MAINTENANCE INDUSTRIES. As the exhibition progresses, tomorrow's agenda features even more engaging sessions. Participants can expect in-depth discussions on innovations, including the Future of Iron Making in the Era of Green Steel Production, the Task Force for Green Steel, and



Decarbonization Techniques in Iron Making. Additionally, the focus on sustainability will continue, providing valuable insights on aligning with global sustainability goals. The exhibition is open to all trade visitors from 10 AM to 6 PM on 27-28 September and 10 AM to 4 PM

on 29 September each day. Ent free for pre-registered attendees and on-the-spot registrations are also available at the venue. Please note that children under years and infants in arms are not permitted in the exhibition hall. Event Location: Yashobhoomi (IICC), Dwarka, New Delhi

### दैनिक भास्कर विविध समाचार के लिए देश भर से हमें चुनें अपने लिए खरीं और बेचें।

## यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

**आयोजक समाचार सेवा**  
नई दिल्ली। राजधानी नई दिल्ली खनिज, धातु, धातुकर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो की मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनेशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटल्स, मेटलर्जी और मैटेरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा। हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गगन साहनी ने सोमवार को एक्सपो की तैयारियों की जानकारी देते हुए कहा कि प्रत्येक संस्करण के

साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे। साहनी ने कहा कि 2023 के वित्तीय वर्ष में भारत के विनिर्माण क्षेत्र में 4.7% की वृद्धि हुई, जिसका ब्रेक विमानन, भारी इंजीनियरिंग, मोटर वाहन, कृषि और इंफ्रास्ट्रक्चर जैसे प्रमुख क्षेत्रों में हुई व्यापक प्रगति को जाता है। इस एक्सपो से उद्योग जगत के दिग्गजों के साथ संवाद करने का सुनहरा अवसर मिलेगा, जो इन क्षेत्रों में आगे बढ़ने के लिए बेहद महत्वपूर्ण साबित होगा।

## यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

अमर भारती संवाददाता नई दिल्ली। खनिज, धातु, धातुकर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो की मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनेशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटल्स, मेटलर्जी और मैटेरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा। हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गगन साहनी ने सोमवार को एक्सपो की तैयारियों की जानकारी देते हुए कहा कि प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे। साहनी ने यह भी बताया कि इस कार्यक्रम का आयोजन इंडियन इंस्टीट्यूट ऑफ मेटल्स-दिल्ली चैटर और वर्ल्ड मेटल फोरम के सहयोग से किया जा रहा है।



# इनोवेशन का शानदार प्रदर्शन

27-29 सितंबर तक द्वारका के यशोभूमि में देश की सबसे बड़ी मेटल, मशीनरी, मैनुफैक्चरिंग और मेनटेनेंस इंडस्ट्री से संबंधित प्रदर्शनी का आयोजन किया जा रहा है। इस दौरान इंडस्ट्री से जुड़े लोगों को नेटवर्किंग करने का बेहतरीन मौका मिल रहा है

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भारत ने अपने इंडीनिटीव सेक्टर में महत्वपूर्ण प्रगति की है। देश विभिन्न देशों को टॉपवेट इक्विपमेंट, पैरिफरल टूल्स, अन्य मशीनरी इक्विपमेंट और इनके इंडीनिटीव उत्पादों का निर्यात करता है। इन मशीनों और उपकरणों के निर्यात के लिए बड़ी संख्या में एच. एच. केनर, एच. रिचर्ड्स और विभिन्न अन्य एजेंटों की आवश्यकता होती है। इनके अलावा, देश में बढ़ती निर्यात और कृषिबंदी को देखते हुए उद्योगों के निर्यात को बढ़ावा दे रही है।



बड़ी डिमांड को ध्यान में रखते हुए उद्योग संस्थापकों ने मेटल, मशीनरी, मैनुफैक्चरिंग और मेनटेनेंस इंडस्ट्री के लिए एक नया प्रदर्शनी का आयोजन किया है। वस्तुनिष्ठता इस प्रदर्शनी का शुभारंभ करेगी, द्वारका, नई दिल्ली में एक हफ्ता था, जो इंडस्ट्री के लिए एक ऐतिहासिक आयोजन रहा। उद्योग का इस प्रदर्शनी का पहला सबसे अधिकारी से बढ़कर रहा। इस दौरान यहाँ का जीवंत माहौल ऊर्जा से भरपूर था (प्रदर्शक और आमंत्रित इन्वेंशन को खोज करने और उद्योग जगत से जुड़े इन्वेंशन से नेटवर्किंग करने के लिए एक सप्ताह)।

आज के युवाओं में अलग-अलग क्षेत्रों में डिजिटलीकरण करने की पर एक प्रमुख खतरा है। इस प्रदर्शनी में प्रमुख खतरा शामिल है। कलम प्रदर्शनी में देश के साथ-साथ विभिन्न देशों में डिजिटलीकरण करने के पीछे के तरीकों को समझा सकते हैं। विभिन्न तकनीकी प्रगति और नए तरीकों के लिए उद्योग जगत को बढ़ा देने में मदद कर सकते हैं।

इस आयोजन में एक प्रमुख कार्यक्रम शामिल है। इनमें शामिल करने के लिए और मशीनों के लिए एजेंटों, लेजर तकनीक सहित एजेंटों बट्टियाँ और डिजिटल इक्विपमेंट सहित कारी बुक) के लिए आकर्षण, इंडस्ट्री में विचारधारा प्री-ऑन मशीनों के लिए गुणवत्ता, इंडीनिटीव और मैनुफैक्चरिंग (पी, पी, केनर, और अन्य) के लिए टैक्नीक के साथ-साथ MIMMM - मिनरल,

**यह आयोजन इनोवेशन का फेड है, जिसमें 250 से अधिक टॉप एग्जीक्यूटिव्स हिस्सा ले रहे हैं। साथ ही, देश-विदेश से 12,000 से अधिक ट्रेड एग्जीक्यूटिव्स इसमें शामिल हो रहे हैं।**

मेटल, मेटल मशीन और मशीनरी का देश का सबसे बड़ा व प्रसिद्ध कार्यक्रम बन रहा है। MIMMM 2024 को भाग लेने वाले देशों में शामिल करने के लिए और मशीनों के लिए एजेंटों, लेजर तकनीक सहित एजेंटों बट्टियाँ और डिजिटल इक्विपमेंट सहित कारी बुक) के लिए आकर्षण, इंडस्ट्री में विचारधारा प्री-ऑन मशीनों के लिए गुणवत्ता, इंडीनिटीव और मैनुफैक्चरिंग (पी, पी, केनर, और अन्य) के लिए टैक्नीक के साथ-साथ MIMMM - मिनरल,

एकमात्र को यह अलग मेटल, इंडीनिटीव, मैनुफैक्चरिंग और मशीन टूल्स के लिए एक व्यापक मंच के रूप में कार्य करती है, जो भारतीय और अंतरराष्ट्रीय मैनुफैक्चरिंग व डीपेटिंग इंडस्ट्री के इनोवेशन व इसकी ताकत को दर्शाती है। इस कार्यक्रम में मुख्य अतिथि के तौर पर भारत सरकार के इंप्यार मंत्रालय के राज्य मंत्री धर्मराज श्रीनिवास वरमा के नेतृत्व में उद्योग मंत्री के साथ इसकी गुणवत्ता है। कार्यक्रम में एग्जीक्यूटिव्स को विभिन्न नौकर-नौकरी मेशिन और असीमित नेटवर्किंग अवसरों का अनुभव मिले, निम्नलिखित है:

**प्रीन मेटल/मशीनरी/मैनुफैक्चरिंग का एक अंतरराष्ट्रीय आयोजन मशीनरी का आयोजन:** इस सत्र में इंडस्ट्री की प्रमुख इन्वेंशन में वस्तुनिष्ठता जानकारी प्राप्त की। साथ ही, बसनेवाले तरीकों और कारखाने उत्पादन करने के विचार पर चर्चा की। साथ ही शुरूआत नेटवर्क, आर्ग्युमेंट, निर्यात, इंप्यार मंत्रालय के उद्योग भाग के साथ हुए। इनके बाद इन्वेंशन में इस कार्यक्रम का उद्घाटन किया था।

बसनेवाले तरीकों के लिए एक व्यापक मंच के रूप में कार्य करती है, जो भारतीय और अंतरराष्ट्रीय मैनुफैक्चरिंग व डीपेटिंग इंडस्ट्री के इनोवेशन व इसकी ताकत को दर्शाती है। इस कार्यक्रम में मुख्य अतिथि के तौर पर भारत सरकार के इंप्यार मंत्रालय के राज्य मंत्री धर्मराज श्रीनिवास वरमा के नेतृत्व में उद्योग मंत्री के साथ इसकी गुणवत्ता है। कार्यक्रम में एग्जीक्यूटिव्स को विभिन्न नौकर-नौकरी मेशिन और असीमित नेटवर्किंग अवसरों का अनुभव मिले, निम्नलिखित है:

**प्रीन मेटल/मशीनरी/मैनुफैक्चरिंग का एक अंतरराष्ट्रीय आयोजन मशीनरी का आयोजन:** इस सत्र में इंडस्ट्री की प्रमुख इन्वेंशन में वस्तुनिष्ठता जानकारी प्राप्त की। साथ ही, बसनेवाले तरीकों और कारखाने उत्पादन करने के विचार पर चर्चा की। साथ ही शुरूआत नेटवर्क, आर्ग्युमेंट, निर्यात, इंप्यार मंत्रालय के उद्योग भाग के साथ हुए। इनके बाद इन्वेंशन में इस कार्यक्रम का उद्घाटन किया था।

# यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

गुडगांव टुडे, नई दिल्ली

राजधानी नई दिल्ली खनिज, धातु, धातुकर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो को मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनेशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटल्स, मेटलजी और मैटेरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा।

हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गगन साहनी ने सोमवार को एक्सपो की तैयारियों की जानकारी देते हुए कहा कि

**यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन**

नई दिल्ली, राजधानी नई दिल्ली खनिज, धातु, धातुकर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो को मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनेशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटल्स, मेटलजी और मैटेरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा।

प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे।

साहनी ने यह भी बताया कि इस कार्यक्रम का आयोजन इंडियन इंस्टीट्यूट ऑफ मेटल्स-दिल्ली सेंटर और वर्ल्ड मेटल फोरम के सहयोग से किया जा रहा है। इसके 2024 संस्करण में चीन, यूरोपीय देशों और रूस के लिए अलग-अलग पर्यटन बनाए जाएंगे, जो व्यापार और तकनीकी साझेदारी को बढ़ावा देंगे। एमएमएमएम 2024 एक्सपो में विभिन्न संयुक्त उद्यम, साझेदारियाँ, निवेश और

तकनीकी आदान-प्रदान से देश में खनिज, धातु और सामग्री उद्योगों की प्रगति को बल मिलेगा। यह अंतरराष्ट्रीय प्रदर्शनी न केवल व्यापार को आगे बढ़ाने का मौका देगी बल्कि सस्टेनेबल टेक्नोलॉजी और नवाचार में नए अवसर भी प्रदान करेगी। साहनी ने कहा कि 2023 के वित्तीय वर्ष में भारत के विनिर्माण क्षेत्र में 4.7 प्रतिशत की वृद्धि हुई, जिसका श्रेय विमानन, भारी इंजीनियरिंग, मोटर वाहन, कृषि और इंफ्रास्ट्रक्चर जैसे प्रमुख क्षेत्रों में हुई व्यापक प्रगति को जाता है। इस एक्सपो से उद्योग जगत के दिग्गजों के साथ संवाद करने का सुनहरा अवसर मिलेगा, जो इन क्षेत्रों में आगे बढ़ने के लिए बेहद महत्वपूर्ण साबित होगा।

04 गुडगांव टुडे, नई दिल्ली, 28 सितंबर 2024

# यशोभूमि में होगा 14वें एमएमएमएम एक्सपो का आयोजन

गुडगांव टुडे, नई दिल्ली

राजधानी नई दिल्ली खनिज, धातु, धातुकर्म और सामग्री पर आयोजित होने वाले सबसे बड़े ट्रेड शो, 14वें एमएमएमएम एक्सपो को मेजबानी करने के लिए तैयार है। यह अंतरराष्ट्रीय प्रदर्शनी 27 से 29 सितंबर, 2024 तक इंडिया इंटरनेशनल कन्वेंशन एंड एक्सपो सेंटर, यशोभूमि में आयोजित की जाएगी। यह भारत में मिनरल्स, मेटल्स, मेटलजी और मैटेरियल्स से जुड़े उद्योगों का सबसे बड़ा आयोजन होगा।

प्रत्येक संस्करण के साथ इस आयोजन की महत्ता बढ़ती जा रही है। उन्होंने बताया कि इस बार भी 10 से अधिक देशों के 300 से ज्यादा प्रदर्शक हिस्सा लेंगे, जबकि 12 हजार से अधिक खरीदार दक्षिण एशिया से यहां पहुंचेंगे।

हाइव इंडिया प्राइवेट लिमिटेड के निदेशक गगन साहनी ने सोमवार को एक्सपो की तैयारियों की जानकारी देते हुए कहा कि



**“We are participating for the first time, and the overall experience with the organizing team has been smooth”**

*Mansoor Ali Farooqi founder of linqhaul*

**“It was an overall good experience. This is a great platform to meet dealers and visitors from different nationalities. We are glad to be a part of this exhibition”**

*Team Electrotherm*

**“The arrangement the overall experience was good and satisfactory”**

*Nedim - Liaoning Yuxin Hi-tech New Material Co. Ltd*

**“We have exhibited in MMMM at different locations, and this is our first time in Delhi. The experience has been very good; we are gaining excellent exposure here and attracting clients from across India”**

*Nirav Vakriya Radicon Power Build Private Limited*

**“The experience has been great. We can see diversified vendors, and it's a good environment here.”**

*Team Sulzer:*







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