

**MINERALS
METALS
METALLURGY
MATERIALS**®

www.mmm-expo.com

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

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

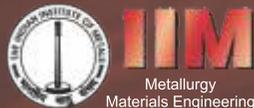
29 - 31 August 2018

Pragati Maidan, New Delhi, INDIA

Organiser



Joint Organiser



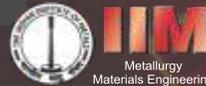
Co-Sponsored by



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

Organise



Supported by



A Step Forward
the Industry
*Confirmation Awaited

ABOUT METAL INDUSTRY

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

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

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

About MMMM

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

MMMM 2018 -A sneak preview

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

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

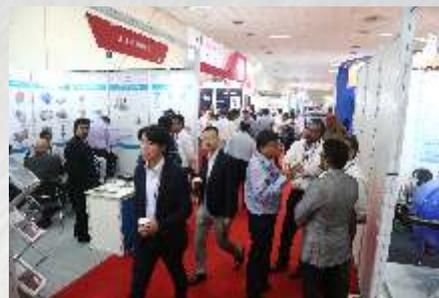
Metal Working Machinery & Technology

- 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



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



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

“International Business
Networking
Program” on

Industrial Lubricants
Furnaces & Heat
Treatment
Rolling Mills
pumps & Gears
Transformers

Co-sponsored by



सत्यमेव जयते

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

Rating the Exhibition



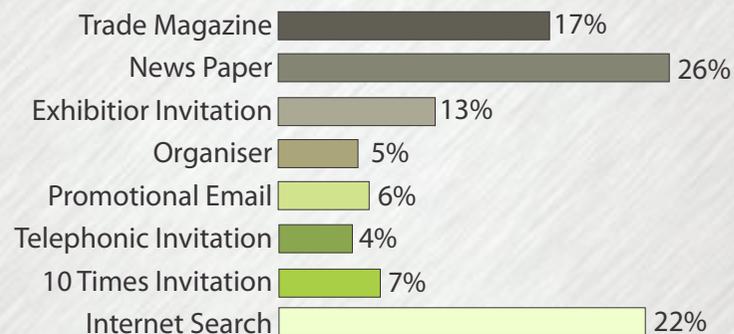
Key Sectors of Interest

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



Role in decision making process



ESSAR
STEEL

JSW

सेल SAIL

SINO STEEL

TATA TATA STEEL

ANDRITZ Metals

BAOSTEEL

NIPPON STEEL & SUMIKIN ENGINEERING

मेकॉन
ISO 9001 Company

transformers & rectifiers (india) ltd

ET ELECTROTHERM

YOGIJI DIGI
Association to excel

Rossi
Habasit Group

FLSMIDTH MAAG GEAR

NORD DRIVESYSTEMS

Mobil
Performance by ExxonMobil

ENCON SYSTEM SOLUTIONS
FOR WORLD'S INDUSTRIES
ENCON **QFAME** **LAVAIR**
MADE IN GERMANY

KONECRANES
Lifting Businesses™

SIIDDHEY
Instrumentation (OPC) Pvt. Ltd.

RADCOMM
RADIATION DETECTION SYSTEMS

Termo nord stream
production of heat exchangers

LEHLER

NRL GROUP

SERVOKON



ESCORT BEARING

BONENG

DXZ BEARINGS

Bonfiglioli
Forever Forward

Esenpro
The Most Trusted Brand

KHED CITY
KALYANI
Empowering Excellence

RISE OF METAL INDUSTRIES

Galaxy of Metal Icons

MINERALS METALS METALLURGY MATERIALS

झारखण्ड को मिलेगा अंतर्राष्ट्रीय खनिज एवं धातु पर आधारित प्रदर्शनी एमएमएमएम 2016

झारखण्ड को अंतर्राष्ट्रीय खनिज एवं धातु पर आधारित प्रदर्शनी एमएमएमएम 2016 का खिताब प्राप्त हो चुका है।

RISE OF METAL INDUSTRY

Giants of steel

MINERALS METALS METALLURGY MATERIALS

अंतर्राष्ट्रीय खनिज एवं धातु प्रदर्शनी 12 तक प्रगति मैदान दिल्ली में

इसका नवी दिल्ली विन्डर फिलि डेवोप स्टेशन

12 तक प्रगति मैदान दिल्ली में

इस्पात उत्पादों की डीपिंग प्रक्रिया तेज करने में लगी सरकार

इस्पात उत्पादों की डीपिंग प्रक्रिया तेज करने में लगी सरकार।

इस्पात उद्योग को सस्ते आयात से बचाने में सरकार

इस्पात उद्योग को सस्ते आयात से बचाने में सरकार।

सम्मेलन शुरू

सम्मेलन शुरू।

10 से 12 तक खनिज एवं धातु पर अंतर्राष्ट्रीय प्रदर्शन

10 से 12 तक खनिज एवं धातु पर अंतर्राष्ट्रीय प्रदर्शन।

अपरंपरागत सेक्टरों में बढ़ाएं टैटिल के उपयोग : चौधरी बिरेन्द्र

अपरंपरागत सेक्टरों में बढ़ाएं टैटिल के उपयोग : चौधरी बिरेन्द्र।

इस्पात उद्योग को सस्ते आयात से बचाने के उपाय कर रही सरकार

इस्पात उद्योग को सस्ते आयात से बचाने के उपाय कर रही सरकार।

2 NEWS

QUICKLY

अंतर्राष्ट्रीय प्रदर्शनी 10 से नयी दिल्ली में

अंतर्राष्ट्रीय प्रदर्शनी 10 से नयी दिल्ली में।

वर्तमान 2016 का खिताब

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अंतर्राष्ट्रीय प्रदर्शनी कल से

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झारखण्ड को मिलेगा खनिज एवं धातु पर आधारित प्रदर्शनी से ताम

झारखण्ड को मिलेगा खनिज एवं धातु पर आधारित प्रदर्शनी से ताम।

झारखण्ड को मिलेगा खनिज एवं धातु पर आधारित प्रदर्शनी से ताम

झारखण्ड को मिलेगा खनिज एवं धातु पर आधारित प्रदर्शनी से ताम।

Punjab to benefit from the 11th edition of Minerals, Metals, Metallurgy & Materials International Exhibition and Conference (MMMM 2016)

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इंडिया रोटी आवेदन होगा आसान

इंडिया रोटी आवेदन होगा आसान।

अंतर्राष्ट्रीय प्रदर्शनी कल से

अंतर्राष्ट्रीय प्रदर्शनी कल से।

एमएमएमएम 2016 का ग्यारहवां संस्करण 10 से शुरू

एमएमएमएम 2016 का ग्यारहवां संस्करण 10 से शुरू।

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एमएमएमएम 2016 का ग्यारहवां संस्करण 10 से शुरू।

प्रगति मैदान में मेटल इंडस्ट्री का देड शो

प्रगति मैदान में मेटल इंडस्ट्री का देड शो।

अंतर्राष्ट्रीय प्रदर्शनी कल से

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अंतर्राष्ट्रीय प्रदर्शनी कल से।



“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, Siidhey 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 a Sponsor

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

As an Exhibitor

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

As a Visitor

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

International Conference



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

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

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

Co-located Shows



Event Promotion:

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

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



About Organisers

The Indian Institute of Metals – Delhi Chapter

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

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

International Trade and Exhibitions India Pvt. Ltd.

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

Sponsor & Joint Organiser



THE INDIAN INSTITUTE OF METALS - DELHI CHAPTER

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IIM HEAD QUARTER

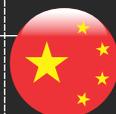
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Email: iioocal@dataone.in

Organiser



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Middle East

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Chandra Shekhar, Project Director,
Shailendra Malik, Project Head,
Ritu Rana Project Manager,
Sandeep Arora, Manager (Sales),
Charanpreet Singh, Sr. Executive (Sales),

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