

ORGANISED BY



5th Edition

MET 2024

Material Engineering, Equipment & Technology
Exhibition on Defence, Railways and Alternate Energy

Wed. 4th - Fri. 6th September 2024

Bombay Exhibition Centre, Mumbai, India

FOCUS SECTORS



DEFENCE



RAILWAYS

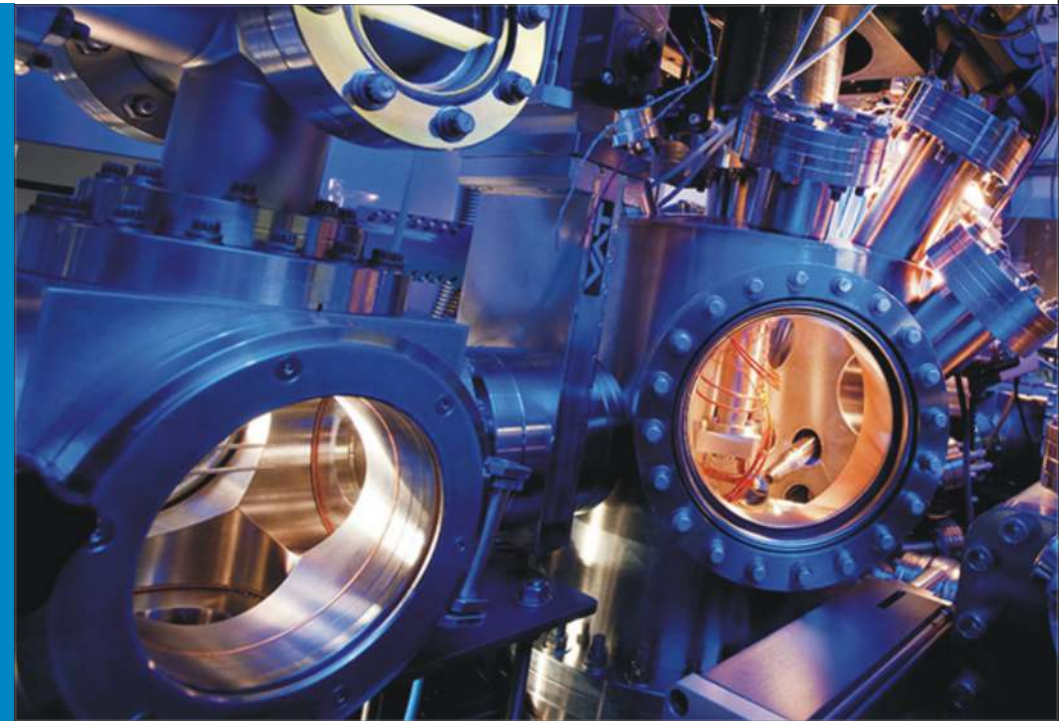


ALTERNATE ENERGY

www.metindiaexpo.com

EVENT OVERVIEW

- An ideal Platform for display and launches of new initiatives, machinery, products and technologies, establishing joint ventures, developing and renewing international and regional contacts.
- Expected to be have about 300 Stalls, 600 Delegates, 80 Speakers from over 20 countries.
- Participation of Government Departments, PSUs, Corporates, SMEs, Start-up Organisations.
- Concurrent 3 days high level international conference will offer industry focused keynote addresses, plenary sessions, panel discussions and technical presentations.
- Innovation / Start-ups, SMEs, R&D Institutes, Academia, etc. will showcase their global developments.
- Innovation Pavilion inviting Models / Posters from Entrepreneurs and Engineering Students.
- Student Outreach programme from the senior Engineering Students.



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REASONS TO INVEST IN INDIA

DEFENCE SECTOR

- India is now exporting defence equipment to over 75 countries.
- Indian Army unveils Six new 'Make-II Projects' spanning technologies across unmanned systems, technologies to counter such systems as well as emerging solutions for augmenting air defence capabilities.
- GOI has approved the continuation of the Central Sector Umbrella Scheme of "Border Infrastructure and Management" (BIM) over the 15th Finance Commission Cycle from 2021-22 to 2025-26, at a cost of INR 13,020 crore to strengthen the border infrastructure for improving border management, policing and guarding the borders.
- Indian Navy is focussed on the incorporation of Artificial Intelligence (AI) and Machine Learning (ML) in critical mission areas.
- 25 % of defence R&D budget has been earmarked for private industry and start-ups which will pave the way for innovation of new defence technologies in India.

RAILWAY SECTOR

- 100 Gati Shakti Cargo Terminals (GCT) to be developed till 2025.
- National Rail Plan aims to increase share of freight traffic from current percentage of 27% to 45% by 2051.
- By December 2023, the entire rail network will be fully electrified and by 2030, the entire rail network will run on renewable energy.
- According to the Minister of State for Railways & Textiles, the Indian Government is planning to invest USD 715 bn in Rail infrastructure by 2030.
- Vision 2024 has been envisaged to achieve targets of 2024 MT freight loading by 2024.
- One of the most vital transportation emissions mitigation strategies agreed to by the Government of India was increasing the share of Indian Railways in the movement of freight from the current ~35-36% to 45% by 2030.
- The objective of the NRP Plan is to create capacity ahead of demand, which in turn would also cater to future growth in demand right up to 2050 and also increase the modal share of Railways to 45% in freight traffic and to continue to sustain it.

ALTERNATE ENERGY

- India targets 50% cumulative electric power installed capacity from non-fossil fuel-based energy resources by 2030.
- India aims to reach a non-fossil fuel energy capacity of 500 GW by 2030
- Solar Power tariff reduced by more than 75% using plug and play model.
- India planning to have a capacity of 30,000 MW of Offshore wind and manufacture of high efficiency solar cells and modules of which India is going to set up 50,000 MW capacity.
- Indian Government aims to have a total investment of INR 8 lakh crores in green hydrogen, and production could be 5 MN tons by 2030. The fuel will be used to replace 25% of 'grey' hydrogen, created using natural gas or methane, within 5 years.
- India, US, China and Brazil are in consultation to form a 'Global Biofuels Alliance' to explore opportunities for cooperation and intensifying use of sustainable fuels, particularly in the transportation sector.
- Adoption of clean cooktop fuels, such as use of solar cooktops will give a boost to green and clean cooking and more than 3 crores households will have access to such cooktops in the next 2-3 years.



EXHIBITING PROFILE

DEFENCE

- Metallic Materials and Alloys in Defence Equipment
- Advanced Materials
- Smart Materials for Defense Weapons & Systems
- Composites
- Inorganic non-metallic materials- Ceramics, Polymers, Cement, Glass, Fibers etc.
- Energy Materials - Solar Photo Voltaic, Graphene etc.
- Fossil Materials – Coal, Lignite etc.
- Nano structured Materials and technology
- Addictive Manufacturing & 3D Technologies
- Automation & Robotics
- Digital Manufacturing
- Thermoplastics
- Electronics and Magnetics
- Materials Testing / Characterization Equipment, Inspection
- Assembling Equipment & Systems
- Surface Modifications including Process and Equipment
- Forming & Fabrication
- Lasers & Laser Systems
- Contract Manufacturing Services
- Controls CAD/CAM Softwares
- Artificial Intelligence
- Software/Simulations
- Micro Manufacturing & Precision Machinery
- Workplace Safety & Ergonomics
- Coolants & Lubricants
- RFID
- Cyber Security
- Material Environment interaction Efficiency
- Material Research & Development

RAILWAYS

- Rail Production Units
- Rolling Stock and Locomotive Manufacturers
- Rail Coach / Wagon Manufacturers
- Locomotive and Coach Maintenance Services
- Railway products, Component and Equipment Suppliers
- Rail Subsystems and Component Suppliers
- Track and Infrastructure Equipment & Services
- Rail Infrastructure Developers
- Civil Construction Products & Services
- Construction and Engineering contractors
- Composite Materials Suppliers & Manufacturers for Rail
- Signalling and Tele-Communications System Suppliers
- Electrification and Green Technologies
- Security and Safety Tools & Systems
- IT Systems Providers
- Smart Rail Automation Systems and Tools suppliers
- Drones, Remote Diagnostic and Tracking Systems
- Advanced Sensor Technology
- AI & Robotics
- Overhead Lines & Cable Systems
- Electronic Tools & Systems
- Batteries & Technologies for Engines
- Hydrogen Fuel Cells
- Air-Conditioning Control & Ducting Systems
- Mechanical Engineering Services & Products
- Measurement, Testing & Monitoring Systems
- Welding Technologies Products & Services
- Consultancy and Design
- Freight, Transport and Logistic

ALTERNATE ENERGY

- Alternative Energy Producers
- Clean Fuel Producers
- Transmission & Distribution
- Electricity Load Management
- Batteries & Generators
- Grid Solutions
- Solar Panel Manufacturers
- Photovoltaic Power Stations & Panels
- Turbine Manufacturers & Installers
- Turbine Component Manufacturers
- Electric Vehicle Manufacturers
- Charging Stations & Accessories
- Storage Technology
- R&D Institutes & Laboratories
- Automation & Instrumentation
- Design & Engineering
- Measuring, Testing and Controlling
- Energy Efficiency & Conservation
- Pollution Control Equipment & Services
- Importers & Exporters
- Smart Equipments
- Wires & Electricals
- Scientific Organisations
- Drones Manufacturers
- Chemical Manufacturers
- Health, Safety & Security
- IT Companies & Solution Providers
- Service & Maintenance
- Robotics Technologies



VISITORS PROFILE

- Defence Industry
- Railways Industry
- Infrastructure & Transportation Industry
- Roads and Highways Industry
- Aviation & Aerospace Industry
- Steel & Metallurgy Industry
- Alternate / Renewable Energy Industry
- Electrical / Electronics
- Material Testing and Inspection
- Metal Components and Products
- Locomotives & Coaches Manufacturers
- Technology Providers and Consultants
- Manufacturers & Suppliers
- Rail Coach Factories
- Metro and Rapid Rail Organisations
- Digital and Emerging Technologies
- Automobile Industry
- Electronic Industries
- Molds and Dies
- Oil and Gas - Marine & Offshore
- Central and State Government Senior Officials
- Policy Makers and Entrepreneurs
- Government Departments
- Research & Development Technology Institutes
- R&D Professionals & Academicians
- Investors, MNC's, Industrialist and Traders
- Banking and Financials Institutions
- Equipment Buyers & Suppliers
- Importers, Exporters & Traders
- Industry Associations, Chambers
- Foreign Trade Commissions
- Trade Delegations



KEY FIGURES OF LAST EDITION

164 Exhibitors

14,256 Footfalls

12 Countries

528 Delegates

142 Speakers

Jharkhand - Focus State

Reverse Buyer Seller Meet

Innovation Pavilion

PARTICIPATING OPTIONS

OPTION 1: Bare Space (inside AC Exhibition Hall)

Exhibitors can adopt design of their choice with approval of the organiser.

OPTION 2: Built-Up Stall (inside AC Exhibition Hall)

Includes: Wall Panels, Carpet, Fascia in English, 1 Spotlight per 3 sqm., One 5 amp socket per 12 sqm., 1 Counter, 3 Chairs, Basic Electricity consumption, Cleaning of the Stalls.

OPTION 3: Sponsorship

Choose from Various Sponsorship Packages (inclusive of exhibition space). Contact our Mr. Amit Kumar, Email: metexpo@tafcon.in for Sponsorship and Branding Catalogue.

PARTICIPANTS OF LAST EDITION

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- Aimil Ltd.
- AkzoNobel India Ltd.
- ALD Vacuum Technologies India Pvt. Ltd.
- All India Association of Industries
- All India Plastic Industries Association
- Alleima India Pvt. Ltd.
- AMB Electronic System Tech Pvt. Ltd.
- AMI Polymer Pvt. Ltd.
- Ananth Technologies Ltd.
- Arabian Petroleum Ltd.
- Avdhoot Heat Treat Pvt. Ltd.
- Banaras Locomotive Works (BLW)
- Bharat Electronics Ltd.
- Bharat Forge Ltd. (Kalyani Group)
- Chittaranjan Locomotive Works (CLW)
- CRC India Manufacturing and Distributors Pvt. Ltd.
- CSIR - Institute of Minerals and Materials Technology
- CSIR – National Environmental Engineering Research Institute (CSIR-NEERI)
- Daksh Quality Systems
- Defence Laboratory Jodhpur, Jodhpur
- Defence Materials and Stores Research and Development Establishment, Kanpur
- Defence Metallurgical Research Laboratory, Hyderabad
- Defence Research and Development Organisation
- Desktop Metal
- Dhanaprakash Industrial Corporation
- Directorate of Industries, Government of Jharkhand
- Dr. Fritsch Machines & Powders Pvt. Ltd.
- EC Metals India Pvt. Ltd.
- ECM Technologies
- EEPC India
- EFD Induction Pvt. Ltd.
- Engineering Review (Divya Media Publications Pvt. Ltd.)
- EPC World
- Eurosense Analyticals Pvt. Ltd.
- Eurotherm India Pvt. Ltd.
- ExOne GmbH
- Fibrotemp Metatek India LLP
- Filfab Corporation (SMD)
- Fine Finish Organics Pvt. Ltd.
- Fluidtherm Technology Pvt. Ltd.
- Forgings Today
- FuelSave
- G.N.R. Srl
- Gates India Pvt. Ltd.
- Gem Orion Machinery Pvt. Ltd.
- Global Axis Ltd.
- Grasim Industries Ltd.
- Hapag - Lloyd India Pvt. Ltd.
- Heat Treat Today
- Hind High Vacuum Company Pvt. Ltd.
- Hindalco Industries Ltd.
- I R Technology Services Pvt. Ltd.
- India Strategic Inc.
- Indian Railways
- Indian Rubber Manufacturers Research Association
- Indo German Chamber of Commerce
- Industrial Product Monitor
- Infrastructure Line
- Institute for Plasma Research
- Integral Coach Factory (ICF)
- International Advanced Research Centre for Powder
- Metallurgy and New Materials (ARCI)
- International Federation for Heat Treatment and Surface Engineering (IFHTSE)
- International Thermal Systems
- Iron & Steel Review
- Jay Elastomers Pvt. Ltd.
- Jiangsu Cera Thermal Technology Co., Ltd.
- John T. Hardaker India Pvt. Ltd.
- JR Furnace & Ovens Pvt. Ltd.
- JSW Cement Ltd.
- JSW Energy Ltd.
- JSW Foundation
- JSW Group
- JSW Infrastructure Ltd.
- JSW Paint Pvt. Ltd.
- JSW Steel Ltd.
- Kalyani Technoforge Ltd. (Thermal Processing Division)
- Kanthal

PARTICIPANTS OF LAST EDITION

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- Keller - ITS India LLP
- Kermetico Inc, USA
- Kinetic Surface Technologies
- Kisco Castings India Ltd.
- Kotak Mahindra Bank Ltd.
- Lakshmi Vacuum Technologies Pvt. Ltd.
- Larsen & Toubro Ltd.
- Leister Technologies India Pvt. Ltd.
- Magnatherm Alloys Pvt. Ltd.
- Maharashtra Multi Distributors Ltd.
- Mahindra & Mahindra Ltd.
- Mahindra Defence Systems Ltd.
- Mangalore Minerals Pvt. Ltd.
- Manglam Electricals
- Marathon Heater India Pvt. Ltd.
- Mazagon Dock Shipbuilders Ltd.
- MEC Shot Blasting Equipments Pvt. Ltd.
- Megatherm Induction Pvt. Ltd.
- Metal Power Analytical Pvt. Ltd.
- Metalspain.Com
- Metatech Industries
- Microcon
- Millenia Technologies (I) Pvt. Ltd.
- Minex Metallurgical Co. Ltd.
- Modern Coach Factory, Raebareli (MCF Raebareli)
- Munitions India Ltd.
- Nandan Petrochem Ltd.
- Naval Materials Research Laboratory
- Nilkamal Ltd.
- Northwest Mettech Corp.
- Orbit Technologies Pvt. Ltd.
- Ore and Metals Publishing House
- Oxilon Pvt. Ltd.
- Patiala Locomotive Works (PLW)
- Phillips Machine Tools India Pvt. Ltd.
- Plasma Induction India Pvt. Ltd.
- PMA Controls India Ltd.
- Pradeep Metals Ltd.
- Pune Gas Projects Pvt. Ltd.
- Pune Gas Systems Pvt. Ltd.
- Rail Analysis India (Projection Strategy Llc)
- Rail Coach Factory, Kapurthala (RCF)
- Rail Wheel Factory (RWF)
- Raj Mesh Belt Co.
- Reliance Industries Ltd.
- Research Design and Standards Organisation (RDSO)
- Riello
- Rubig GmbH & Co Kg
- S.R. Thermal Solution
- Saarloha Advanced Materials Pvt. Ltd.
- Sajjan Precision Castings
- Seco Warwick Systems & Services (India) Pvt. Ltd.
- Smart Induction Converter Technologies, S.L.
- Society of Indian Defence Manufacturers (SIDM)
- Space Product Finder
- Spraymet Surface Technologies
- Steel & Metallurgy
- Suntec Energy Systems
- Tata Advance Systems Ltd.
- Tata Group
- Tata Motors Ltd.
- Tata Power Company Ltd.
- Tata Steel Ltd.
- Technology Development Board, GOI
- Tekman India Pvt. Ltd.
- Tempsens Instruments India Pvt. Ltd.
- Thane Belapur Industries Association
- Toshcon CD Automation India Pvt. Ltd.
- Triton Electric Vehicle India Pvt. Ltd.
- UltraTech Cement Ltd.
- Uniloc Fasteners
- United Enterprises
- Urja Products Pvt. Ltd.
- Veekay Industries
- Webzworld
- WS Thermal Process Technologies Inc.
- Wuxi Junteng Fanghu Alloy Casting Co., Ltd.
- Xitiz Technomech Llp
- Yamayo India
- Zara P Care – Melika
- 99 Machinery for You

TESTIMONIALS...



These events would pave the way for many path-breaking innovations

Nitin Gadkari

Hon'ble Minister for Road Transport and Shipping
Government of India



Privileged to attend the MET+HTS 2022. I am sure that these Exhibitions will serve the purpose of 'Atmanirbhar Bharat' vision of Hon'ble Prime Minister. My best wishes for the grand success of these Events. "Jai Hind"

Ajay Bhatt

Hon'ble Defence Minister of State, GOI



Excellent Talent Display

Late Mr. Manohar Parrikar

Hon'ble Minister of Defence, Government of India



Good to see remarkable advancement in Research and Development and this is the way we move forward as a Strong Nation

Ch. Birender Singh

Hon'ble Minister of Steel, Government of India



The event is very well organised. I enjoyed visiting the stalls and was enlightened with the kind of work that is happening in the industry. My best wishes for a very successful event.

Dr. S.V. Kamat

Secretary and Chairman, DRDO



I am very happy that JSW is associated with this programme under the aegis of ASM.

Sajjan Jindal

Chairman, JSW Group



Very proud to see this great Indian prowess at these exhibitions

Dr. R. A. Mashelkar

Chancellor, AcSIR
National Research Professor, CEPD,
National Chemical Laboratory, CSIR
Director, Reliance Industries Ltd.



Am extremely impressed by the Exhibition; the range of technology & products covered in the exhibition is impressive and completely in line with Atmanirbhar Bharat. Many congratulations to Organizers.

Rear Admiral R.K. Shrawat (Retd.)

Chairman, Naval Group, GOI



A pleasure to be at a very well organised event. The facilities & stalls laid out have been absolutely brilliant. Kudos to the team. Jai Hind

Maj Gen Rakesh Manocha

HQ MG&G Area, Ministry of Defence, GOI



Felt enlightened to be among the elite crowd who produce materials for the defence sector. It was a pleasure interacting with various functionaries of ASM, SIDM & other Panelist. All the very best in all endeavours of ASM to keep the country flag high. Jai Hind!

AVM S.K. Jain

ACAS (MP), Air HQ, Ministry of Defence, GOI



Excellent Organisations. Compliments

S.P. Shukla

Chairman, Mahindra Aerospace, Defence
& Mahindra Sanyo Steel



We all can mutually gain by knowing who are doing what in these sectors

Hemant Kumar

Member (Rolling Stock) Railway Board
Ministry of Railways, GOI

TESTIMONIALS...



The exhibition is of world class showing the prowess of India, and its innovative capabilities

M.V.S. Seshagiri Rao
Jt. M.D. & Group CFO, JSW Steel Ltd.



A wider collaboration between the Corporates, PSUs and Scientists, is the need of country like India, with vast growth potential in all these sectors is displayed in this Event

Shailendra Roy
Director & Sr. VP - Power, Head, Nuclear - L&T Group



MET+HTS 2022 is very professionally organised and i got insightful ideas during deliberations.

Manish Bhimte
Chief Mechanical Engineer /
IT & Safety Western Railway, GOI



Excellent show and beautifully arranged one. Keep it up!!!

Arun Goradia
Chairman, EEPC India



Most outstanding arrangements for the event; Good luck for the next edition.

Pradeep Goyal
Sr. VP, ASM International, USA
Chairman, Pradeep Metals Ltd.



My heartiest congratulations to ASM India Chapter & Tafcon. The event is again a trailblazing success.

C. (Ravi) Ravindran
Past President, ASM International
Past President, Canadian Academy of Engineering



Amazing foot traffic in exhibition. Very well organized.

Dr. T.S. Sudarshan
President & CEO, Materials Modification Inc., USA



Excellent event with participation from the Industry, Academia & Labs. It is a great platform for Industry-Labs -Universities, to identify best areas for a great collaboration.

Dr. Navin Manjooran
Chairman, SOLVE & VP, ASM International, USA



Most useful show I have ever attended. A lot of knowledge on technology.

Himanshu B. Patel
Founder & CEO, Triton Electric Vehicles LLC, USA

EXHIBITION AWARD WINNERS

- Aditya Birla Group
- Alleima India Pvt. Ltd.
- Arya Agencies
- Defence Research and Development Organisation
- Desktop Metal
- Directorate of Industries, Government of Jharkhand
- Gates India Pvt. Ltd.
- Indian Railway

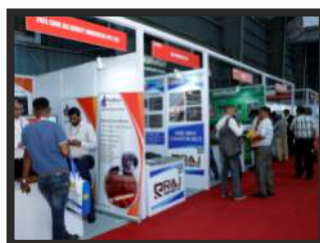
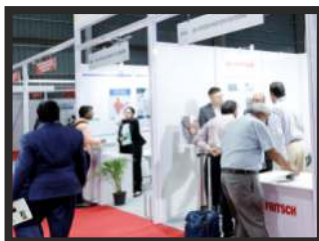
- JSW Group
- Kisco Castings India Ltd.
- Lakshmi Vacuum Technologies Pvt. Ltd.
- Larsen & Toubro Ltd.
- Mahindra & Mahindra Ltd.
- Mazagon Dock Shipbuilders Ltd.
- Megatherm Induction Pvt. Ltd.
- Metal Power Analytical Pvt. Ltd.

- Metatech Industries
- Munitions India Ltd.
- Pune Gas Systems Pvt. Ltd.
- Reliance Industries Ltd.
- Tata Group
- Triton Electric Vehicle India Pvt. Ltd.
- Velvex (Nandan Petrochem)
- Xitiz Technomech Llp

GLIMPSES OF LAST EDITION



GLIMPSES OF LAST EDITION



VENUE - BOMBAY EXHIBITION CENTRE (BEC)

BEC is one of the Largest Exhibition Centre in Western India. After decades of hosting prestigious International Trade Fairs and Exhibitions, BEC is still among the most well facilitated and convenient venues in the country. It is ideally situated along the Western Express Highway in Goregaon, within 10 minutes from Airport, walking distance to Train Stations and a 20 minute drive from the Heart of the City. There are numerous Hotels, Entertainment activities, Shopping & Sightseeing Spots in close proximity.

BEC consists of 5 Large Exhibition and many Conference Halls spread across over 60,000 square meters of Centrally Air-Conditioned space for conducting Exhibitions & Conferences. It is one of the best well designed and busiest Exhibition Centre across the Country. The Halls are Wi-Fi enabled, have ample height, good lighting, well-designed ventilation and strong flooring to withstand even the heavy machinery.

ORGANISED BY



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TAFCON is a professionally managed company with over six decades of experience and expertise in organizing international Trade Fairs and conferences in India and Overseas, on various industry sectors namely Mineral & Metals, Materials Engineering Technology, Heat Treat, Defence, Railway, Energy, Construction, Environment, Oil & Gas, Mining, Poultry, Dairy & Food Technology, Packaging, Printing Machinery, Travel & Tourism, Education, Surface Engineering, Paints & Coating & allied industries etc.

Contact Us

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For Exhibition:

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