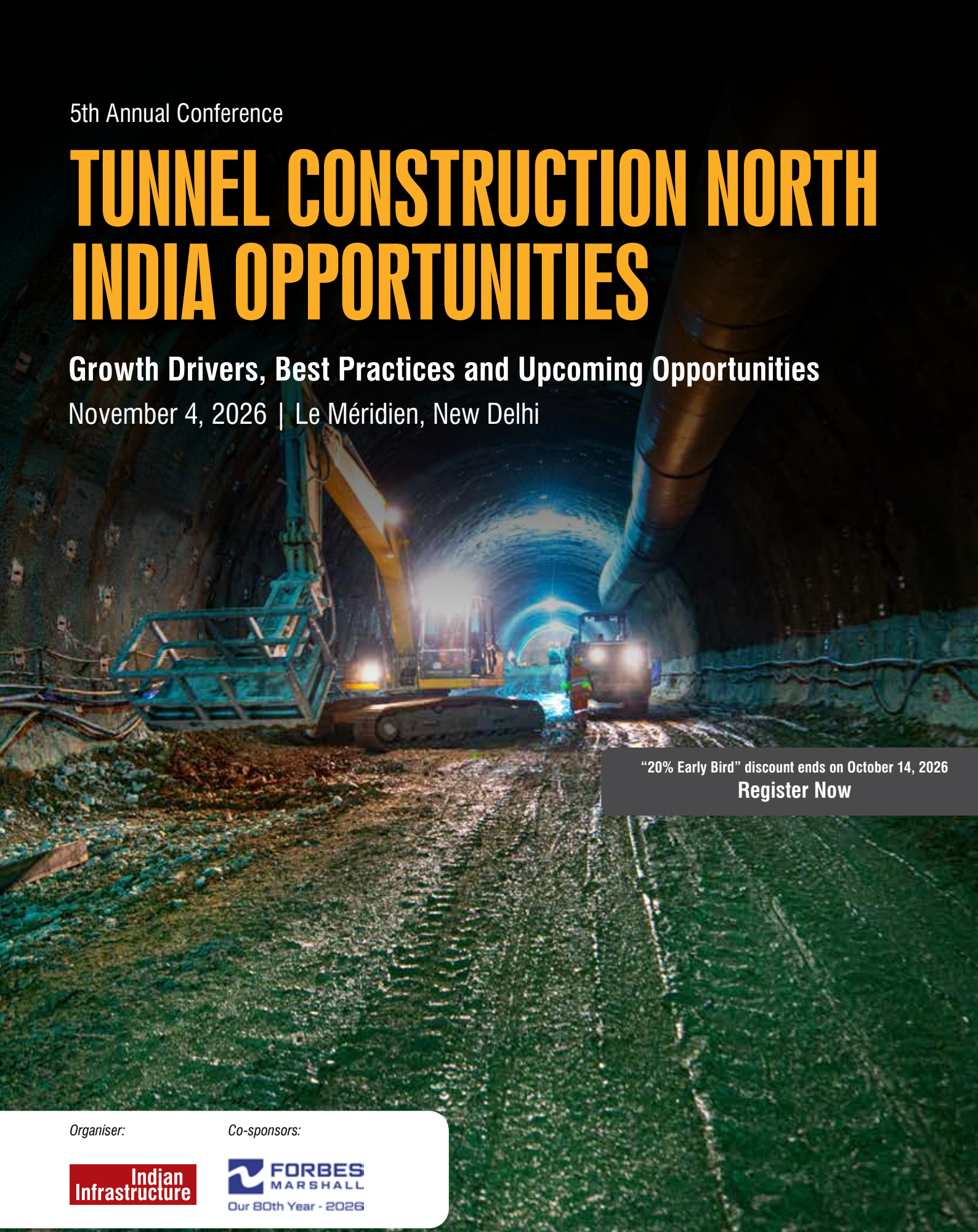
5th Annual Conference

TUNNEL CONSTRUCTION NORTH INDIA OPPORTUNITIES

Growth Drivers, Best Practices and Upcoming Opportunities

November 4, 2026 | Le Méridien, New Delhi



"20% Early Bird" discount ends on October 14, 2026

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Organiser:

Indian Infrastructure

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Our 80th Year - 2026

MISSION

- Tunnel construction activity in the northern region continues to accelerate, driven by strategic priorities such as strengthening all-weather border connectivity, expanding hydropower capacity and upgrading water infrastructure. The region currently accounts for the largest share of ongoing tunnelling activity.
- The sector has steadily transitioned from conventional excavation methods to more mechanised tunnelling techniques. Tunnel boring machines (TBMs) are being widely used for metro rail projects; the New Austrian Tunnelling Method (NATM) has emerged as the preferred approach for road and railway tunnels; while drill-and-blast methods (DBM) continue to dominate hydropower projects.
- Digitalisation is increasingly being integrated into tunnelling operations. Continuous digital monitoring is now a standard practice, while the adoption of building information modelling (BIM), advanced analytics, drones and internet of things (IoT) is gaining traction. Additionally, sustainability is gaining prominence, with greater emphasis on the use of alternative construction materials and energy-efficient construction practices.
- Going forward, developments in key infrastructure sectors are expected to drive significant tunnelling activity across roads, railways, metros, water, sewage, irrigation and hydropower. In total, tunnels spanning a length of 3,000 km are at various stages of implementation, offering opportunities for all stakeholders, including contractors, developers, technology providers, equipment and material providers, etc.
- **The mission of this conference is to discuss the recent trends, developments and challenges in tunnel construction in northern India, identify the areas of growth and highlight emerging opportunities. The conference will also showcase new technologies, noteworthy projects and best practices across the sector.**

Target Audience

The conference is targeted at top and middle-level managers from:

- Project Developers
- Hydro Power Developers
- EPC Contractors
- Irrigation Companies
- Metro Rail Operators
- Technology Providers (TBMs, excavator, drill rigs, cranes, loaders, roadheaders, shotcrete machines, etc.)
- Indian Railways
- Water & Sewage System Developers
- Consultants and Design Service Providers
- Urban Local Bodies
- Etc.

TENTATIVE CONFERENCE PROGRAM

www.indianinfrastructure.com

KEY TRENDS AND MARKET OUTLOOK

- Key trends and recent developments
- Challenges across sectors
- Emerging opportunity areas
- Near-term outlook and future priorities

CONTRACTORS' VIEWPOINT: EXPERIENCE AND CHALLENGES

- On-ground experience
- New construction practices and materials being adopted
- Steps being taken to expedite tunnelling
- Biggest issues and challenges
- Policy expectations and future priorities

SECTOR FOCUS: CURRENT PRACTICES, EXPERIENCE AND FUTURE OPPORTUNITIES

Roads & Highways | Railways | Metro Rail | Hydropower | Water Supply

- Experience in tunnel construction and best practices
- New and emerging techniques and their key benefits
- Key challenges and measures
- Sector-wise upcoming opportunities

MEP AND HVAC SYSTEMS FOR MODERN TUNNELS

- Recent trends and technical advancements
- Specific issues and challenges, particularly for long and high-altitude tunnels
- Emerging requirements for MEP solutions and HVAC systems

DRILLING, BLASTING AND EXCAVATION IN HARD ROCK STRATA

- Current practices and new techniques being explored
- Challenges associated and mitigation measures
- Noteworthy projects and lessons learnt

SMART TUNNELLING: DIGITAL TWINS, AI AND IoT-BASED SOLUTIONS

- Role of AI/IoT systems in real-time risk monitoring and safety
- Experience with BIM and digital twin deployment
- Demonstrated cost and safety benefits
- Barriers to wider adoption

TUNNEL ASSET MANAGEMENT: REPAIR AND REHABILITATION SOLUTIONS

- Emerging solutions for tunnel repair and restoration
- Role of technology in tunnel rehabilitation and asset management
- New innovations and advancements for maintenance

GEOTECHNICAL INVESTIGATIONS AND MONITORING SOLUTIONS

- Current investigation, survey and monitoring practices
- Key technological advancements
- Specific issues and challenges, and measures to address these
- Best practices and future priorities

FOCUS ON SAFETY AND SUSTAINABILITY

- Recent technological solutions for safety, sustainability and inspection
- Advancements in safety and sustainability
- Best practices and associated savings
- Issues and challenges being faced, particularly post recent collapse incidents

NEW MATERIAL REQUIREMENTS

- New and emerging material requirements
- Alternative materials already in use, and associated savings
- Noteworthy initiatives and best practices

PREVIOUS PARTICIPANTS

A&T Engineering, Aakar Abhinav Consultant, ACOEM Ecotech Industries, Aecom India, AFCONS Infrastructure Limited, Amberg Engineering India, APL Apollo, Ashtech (India), Astral Limited, Astral Pipes, Atlas Copco, Bajaj Reinforcement LLP, Bajaj Reinforcement, Bernard Consultants, Bitumag, BMRCL, Border Road Organisation, Bouw Consultants, Brokk India, Carpi India Waterproofing Specialists, CDE Asia, CEC-ITD Cem-TPL JV, Chemistik, Chennai Metro Rail Corporation, Chennai Metro Rail Limited, Choksey Chemicals, Coastal Projects-L&T, Codel International, Consulting Engineers Group, CTM Geo Synthetics, Cusmat, Danfoss Industrial, DEHN, Delhi Metro Rail Corporation, Dextra Group, Dextra India, DNC Infrastructure, DSI-Bridgecon India, Draeger Safety India, Durga Mechatronics, Elkem South Asia, Epiroc, FlaktGroup, FOGTEC, Forbes Marshall, Fracwell Miners, G R Infra Projects, Gall Zeidler, GARWARE TECHNICAL FIBRES, Garware Technical Fibres, Genstru Consultants, Geo Source, GeoConsult India, GHH Mining, Globe Electronics, GMRCL, Godrej & Boyce, HCC, Herrenknecht, Hill International Inc., Hilti India, Hitachi Zosen India, Howden Solvent (India), IRCON International Limited, ITD Cementation, JCB India, Jeevan Ecotex, JIC, Jindal Stainless, Jindal Stainless Steelway, JMC Projects (India), JMRC, JSW, Kerala Infrastructure Investment Fund Board (KIIFB), KMC Construction, Kochi Metro Rail, Kolkata Metro Rail Corporation, Konkan Railway Corporation, Kotak Institutional Equities, L&T, L&T ECC, L&T IDPL Invit, Larsen & Toubro Construction, Laviosa, LEA Associates South Asia, Leister Technologies India, Leviat, LION Group, LKT Engineering, Lucky Investments, MACO Corporation India, Madhya Pradesh Metro Rail Corporation, Maharashtra Metro, Maheshwari Mining, Manas Geo Tech India, Manitou Group, Mapei Construction, Mapel Construction Products India, Master Builders Solutions India, Megaplast, Megha Engineering and Infrastructures, Minova Runaya, MKC Infrastructure, Mumbai Metro Rail Corporation Limited, Mumbai Metropolitan Region Development Authority, Municipal Corporation of Greater Mumbai, National Capital Region Transport Corporation Limited, National High Speed Rail Corporation, National Highways Authority of India, NCRTC, Newkem, NHAI, NHPC, Normet, Northeast Frontier Railway, Northern Railways, Orica, Padeco India, Patel Engineering, Pavai Infra Geotech, Penetron Infra Products, Precision Drawell, PROGRESS GROUP, Public Works Department - Government of Maharashtra, Racom Engineers, RDS Projects, RDSO, Redhawk Engineering Consultants, Renolit, Responsive Industries, Robbins, Rodic Consultants, RVNL, Sandvik, Shree Krishna Agro, SICK India, Siso Software India, SK E&C, SMC Infrastructures, SNF India, Soil Tech, Solar Industries India, Soma, Soprema, Sparkle Clean Tech, Squadrone, SRK Mining, SUCG Infrastructure, Tata Consulting Engineers Limited, Tata Projects Limited, TCE, Tejin India, Terratec, THDC, TLT-Turbo India, Trimble, Tunnel SAZ Machine, Tümaş India-Altınok Joint Venture, ULCCS, Ultrafog India, Unovel Industries, UPMRCL, USBRL, VE Commercial Vehicles, VKJ Projects, VMT, Webau-India Progress Group, Weir Minerals, YÜKSEL PROJE AŞ, Zitron India etc.

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DELEGATE FEE

	20 per cent discount (before October 14, 2026)				Fee without discount (after October 14, 2026)			
Delegates	**INR**	**GST@18%**	**Total INR**	**Total USD**	**INR**	**GST@18%**	**Total INR**	**Total USD**
One delegate	12,800	2,304	15,104	200	16,000	2,880	18,880	228
Two delegates	22,400	4,032	26,432	315	28,000	5,040	33,040	399
Three delegates	32,000	5,760	37,760	450	40,000	7,200	47,200	569
Four delegates	41,600	7,488	49,088	590	52,000	9,360	61,360	739

- There is a 20 per cent discount before October 14, 2026
- GST @18 per cent is applicable on the registration fee.

Organisers

The conference is being organised by **India Infrastructure Publishing**, the leading provider of information on the infrastructure sectors through magazines, newsletters, reports and conferences. The company publishes **Indian Infrastructure,** and **Power Line** magazines, as well as a series of reports, including **Tunnelling in India, Hydro Power in India, Urban Rail in India, Road Development in India** and **Railways in India.**

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