

Adopting global standards and cutting edge technologies to ensure the seamless delivery and integration of Indian metro projects



Other speakers in the spotlight:

- Anouj Mehta, Senior Infrastructure Finance Specialist and Head PPP Unit, Asian Development Bank
- Richard Di Bona, Director, LLA Consultancy Ltd (Hong Kong)
- Neeraj Jain, Project Head Mumbai Metro-Line 2, Mumbai Metro Transport Pvt Ltd (MMTPL)
- Bharat Modgil, Head, Mumbai Metro One Private Limited
- Prof. M.N. Sreehari, Advisor-Traffic, Transport and Infrastructure, Government of Karnataka
- Sanjay Srivastava, General Manager-Urban Transport, RITES
- Asok Kumar, Head-Fare Collection, Chennai Metro
- Vivek Singh, Member-Steering Committee, National **Transport Policy**
- Pavan Gupta, Member-Working Group (Guidelines and Approvals), Unified Traffic & Transport Infrastructure Centre (UTTIPEC)

International and local insights:

- C.C. Chang, President, Taoyuan Metro Corp (Taiwan)
- N.V.S. Reddy, Managing Director, Hyderabad
- Subrata Gupta, Managing Director, Kolkata Metro

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- Kuldeep Ranka, Managing Director, Jaipur Metro
- Gulshan Madan, Director-Mass Rapid Transit System, Mumbai Metropolitan Regional **Development Authority (MMRDA)**
- Vivek Bhaskar Gadgil, Chief Executive Officer and Managing Director, L&T Metro Rail (Hyderabad)
- H.S. Anand, Director-Rolling Stock, Delhi Metro **Rail Corporation**
- Satish Kumar, Director-Electrical, Delhi Metro Rail Corporation

Benefits of attending:

- Understand the current regulatory polices and framework for metro construction
- **Invest** in the right sustainable projects
- Discover the potential barriers for project delays
- Explore new ways of funding metro projects
- **Implement** the right approaches towards execution of metro projects

For more information or to register

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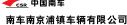
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Conference day one:

Thursday 23 February 2012



08.00 Registration and coffee

08.55 Chair's welcome and opening speech

Gulshan Madan, Director-Mass Rapid Transit System, Mumbai Metropolitan Regional Development Authority (MMRDA)

Minimizing delays to reduce project costs

09.00 Carrying out parallel activities for faster project execution

- Understanding the different roles played by government departments in metro projects
- Coordinating relationships between government bodies and contractors
- Establishing communication channels between different government stakeholders

Subrata Gupta, Managing Director, Kolkata Metro

09.30 Planning and optimization of metro projects to reduce delays

- Ensuring proper planning of projects to avoid delays
- Setting up cost-optimization techniques during the planning stage of the projects
- Communicating cost-optimization techniques and implementing them to achieve best results
- Analyzing the challenges faced during construction of viaducts in metro projects

Bharat Modgil, Head, Mumbai Metro One Private Limited

10.00 Analyzing the key factors to be considered for the rapid implementation of metro rail projects

- Ensuring proper planning of projects for large scale developments
- Overcoming the challenges of attracting investor attention for pilot projects
- Setting up appropriate cost optimization techniques to ensure faster development

Kuldeep Ranka, Managing Director, Jaipur Metro

10.30 Executive exchange networking session

This networking session will allow delegates, speakers and sponsors to mingle and meet during this brief break in the program. Business cards are a must and you will benefit by expanding your business networks by meeting with fellow transportation and infrastructure professionals.

11.00 Morning networking break

11.30 Identifying correct strategies for delivering projects on time and within budget

- Planning and implementing long term strategies to efficiently design, build, operate and maintain rail infrastructure
- Ensuring board members and stakeholders are involved in the approval process
- Managing projects in an efficient way to fit within timeframes with budgeted costs
- A. Soundararajan, Head of Projects Control, L&T Metro Rail

12.00 Dedicating a separate project management team for smooth execution of projects

- Creating a separate project management team and its associated challenges
- Assigning specific roles and powers to the project management team
- Comparing projects handled by project management teams and those headed by ministerial bodies

Bharat Modgil, Head, Mumbai Metro One Private Limited A. Soundararajan, Head of Projects Control, L&T Metro Rail Kuldeep Ranka, Managing Director, Jaipur Metro



Developing sustainable metro rail projects

12.30 Investing in sustainable metro projects

- Overcoming project delays to attract investment
- Identifying sustainable metro projects to ensure adequate project financing
- Evaluating factors to be considered before investing in metro projects

Anouj Mehta, Senior Infrastructure Finance Specialist and Head PPP Unit, Asian Development Bank

13.00 Summit lunch with networking opportunity

14.00 Implementing sustainable integrated multi-modal transportation

- Discussing the challenges of a multi-modal transport system
- Managing system integration in multi-modal transport networks
- Synchronizing multimodal transportation systems to deliver better, advanced and efficient transport services

Prof. M.N. Sreehari, Advisor-Traffic, Transport and Infrastructure, **Government of Karnataka**

14.30 Designing and developing an industry oriented metro system

- Building metro rail projects which are financially sustainable
- Increasing ridership with best practice approaches
- Utilizing efficient models to improve economic returns and develop commercially viable metro networks

C.C. Chang, President, Taoyuan Metro (Taiwan)

15.00 Assessing various financing options for metro rail projects

- Making metro rail projects financially viable while being highly capital intensive
- Analyzing various resource alternatives towards project finance
- Structuring projects efficiently to attract private investment Gulshan Madan, Director-Mass Rapid Transit System, Mumbai Metropolitan Regional Development Authority (MMRDA)

15.30 Afternoon networking break

16.00 Developing attractive, integrated public transport networks in rapidly developing cities

- Overcoming the challenges with respect to data availability and quality, forecast uncertainty and coordination between
- Showcasing planning and implementation techniques to achieve operational profits
- Identifying the weakest links in transit networks such as intermodal interchange and pedestrian accessibility
- Determining if Personal Rapid Transit (PRT) can help to overcome these issues

Richard Di Bona, Director, LLA Consultancy Ltd (Hong Kong)

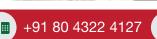
16.30 Attracting private investors with well structured and sustainable metro projects

- Marketing your project in an efficient way to attract
- Reviewing what private investors look for when selecting a project
- Developing strategies to attract investment for the entire lifecycle of a project
- Gulshan Madan, Director-Mass Rapid Transit System, Mumbai Metropolitan Regional Development Authority (MMRDA) Anouj Mehta, Senior Infrastructure Finance Specialist and Head PPP Unit, Asian Development Bank

C.C. Chang, President, Taoyuan Metro (Taiwan)

17:00 Chair's closing comments

Gulshan Madan, Director-Mass Rapid Transit System, Mumbai Metropolitan Regional Development Authority (MMRDA)









Conference day two:

Friday 24 February 2012

08.00 Registration and coffee

08.55 Chair's welcome and opening speech Gulshan Madan, Director-Mass Rapid Transit System, Mumbai

Metropolitan Regional Development Authority (MMRDA)

Identifying solutions for Indian metro networks on par with global standards

09:00 Designing interoperable fare systems throughout transportation networks

- Assessing the need for an integrated fare management system in an urban environment
- Offering a case study of successful Asian models for fare collection
- Analyzing the critical ecosystem requirements towards successful implementation of interoperable networks
- Determining various challenges with respect to the Indian environment

Asok Kumar, Head-Fare Collection, Chennai Metro

09:30 Overcoming challenges with regard to maintenance and upgrades during and before metro operations

- Drawing from case studies in overcoming the challenges faced during the Commonwealth Games
- Deriving strategies for challenges faced during Phase 1 of operations while working on Phase 2
- Bringing all contractors to work together to achieve project efficiency and meeting deadlines

Satish Kumar, Director-Electrical, Delhi Metro Rail Corporation

10:00 Determining various challenges in metro rolling stock design for Indian environmental conditions

- Adapting multiple design techniques for high ambient temperatures and accounting for high humidity and dusty environmental conditions
- Achieving an optimal blend of technology and ease of maintenance
- Identifying highly reliable stock and cost-effective strategies for procurement

H.S. Anand, Director-Rolling Stock, Delhi Metro Rail Corporation

10:30 Morning networking break

11:00 Implementing metro rail networks to connect the future of urban India

- Identifying how transportation networks will guide the growth of urban areas in India over the next decade
- Maximizing the need for public transportation systems
- Assessing the requirements of a three tier public transportation system for universal connectivity

Pavan Gupta, Member-Working Group (Guidelines and Approvals), Unified Traffic and Transportation Infrastructure Centre (UTTIPEC)

11:30 Analyzing various challenges associated with signals and telecoms in metro networks

- Developing cost-effective strategies and minimizing disruption to existing services
- Selecting correct systems as per requirements and installing them in a time and cost-efficient manner
- Incorporating signaling and telecom systems to increase safety, speed, capacity, efficiency and revenue of metro

A.K. DAS, Vice President-Signals and Telecom, Mumbai Metro **One Private Limited**

12:00 Integrated and sustainable urban transportation planning for metro projects

- Integrating urban rail planning with other modes of transport
- Increasing ridership within congested cities to improve traffic
- Benchmarking case studies from international metro projects

Pavan Gupta, Member-Working Group (Guidelines and Approvals), Unified Traffic and Transportation

Infrastructure Centre (UTTIPEC) Asok Kumar, Head-Fare Collection, Chennai Metro

Richard Di Bona, Director, LLA Consultancy Ltd (Hong Kong)

12.30 Summit lunch with networking opportunities

Case study

Emphasizing the use of PPP frameworks for metro and monorail projects and detailing the Indian government's involvement

13:30 Hyderabad Metro Rail-Reviewing the challenges faced in India's largest PPP project in the metro sector

- Drawing on international examples on risk mitigation strategies for successful metro implementation
- Understanding the role of government in framing regulatory
- Analyzing different PPP modules government should consider for infrastructure and transportation projects

N.V.S. Reddy, Managing Director, Hyderabad Metro

Analyzing case studies on the use of PPP in Indian metro 14:00 projects

- Detailing the different metro projects which have been developed with PPP
- Identifying the potential pitfalls for project success
- Suggesting the changes in framework to make the PPP model successful

Neeraj Jain, Project Head Mumbai Metro-Line 2, Mumbai Metro Transport Pvt Ltd (MMTPL)

14:30 Defining the regulatory environment in India for monorail

- Understanding different laws and acts available in India regarding construction, opening and operations of guided way transport systems such as rail, metro and trams
- Discussing the absent laws on monorail
- Outlining the various temporary and permanent solutions in India for monorails

Sanjay Srivastava, General Manager-Urban Transport, RITES

15:00 Afternoon networking break

15:30 Achieving financial viability in metro projects and determining the need for using railway right of way in cities

- Reducing the viability gap funding with effective planning of metros
- Generating higher commuter throughput through better planning of railway networks
- Making metro projects commercially and financially viable to attract large private and foreign investments

Vivek Singh, Member-Steering Committee, National Transport

16:00 Reviewing a PPP metro project from a contractor's standpoint

Analyzing the challenges faced from procurement stage until the beginning of operations

Overcoming the constraints imposed during and after the tender process

Demonstrating government support in the first and biggest metro PPP project in India

Vivek Bhaskar Gadgil, Chief Executive Officer and Managing Director, L&T Metro Rail (Hyderabad) Ltd

16:30 Utilizing PPP models as the preferred mode of financing for rail based projects

- Identifying different PPP modules the government is considering for remaining metro projects
- Detailing the core principles of PPP, including risk allocation between two parties
- Exploiting management qualifications and the efficiency of the private sector when using PPP frameworks

Vivek Bhaskar Gadgil, Chief Executive Officer and Managing

Director, L&T Metro Rail (Hyderabad) Ltd N.V.S. Reddy, Managing Director, Hyderabad Metro Neeraj Jain, Project Head Mumbai Metro-Line 2, Mumbai Metro Transport Pvt Ltd (MMTPL)

17:00 Chair's closing comments

Gulshan Madan, Director-Mass Rapid Transit System, Mumbai Metropolitan Regional Development Authority (MMRDA)









India is developing a number of urban transport projects across many of its larger cities. With the current investment set at a minimum of Rs 200,000 crore for metro projects alone, the Indian government has already invested Rs 80,000 crore in different cities for their construction.

These figures confirm India's commitment towards developing urban transportation networks, including metro rail and monorail projects to reduce the heavily clogged road transportation networks across the country. The Indian Government is also increasingly approving the implementation of PPP frameworks for metro rail projects in different cities across the country, including Jaipur, Kochi, Mumbai and Hyderabad, with many more to come.

Following the success of IQPC's inaugural Metro Expansion India event, IQPC is proud to announce its 2nd Annual Metro Expansion India conference. The event will take place in New Delhi from 23 - 24 February 2012 and will look to build on the industry insights and knowledge sharing of the inaugural event. The conference will feature international case studies, local project updates and new developments in addressing the challenges facing metro development and expansion in India.

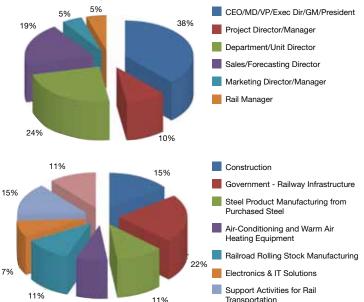
Who will you network with at the 2nd Annual Metro **Expansion India?**

Public sector: (Chairmen, Managing Directors, Directors, Engineers, Advisors, Officers on Special Duty, Project Heads)

- Metro Rail Corporations
- Ministry of Railways
- Ministry of Urban Development
- **Chief Engineers**
- Central Government Bodies
- Regional Transport Development Authorities
- Consortiums and Special Purpose Vehicles for metro projects
- PPP Cell, Department of Economic Affairs, Ministry of Finance
- National Capital Region Planning Board

Private Sector: (Chairmen, Managing Directors, General Managers, **Directors, Project Heads)**

- Contractors
- Operators
- Developers
- Investors
- Project Management Consultants



Sponsorship & Exhibition Opportunities

After the success of the inaugural Metro Expansion India summit in Chennai, IQPC brings you 2nd Annual Metro Expansion India Summit, taking place in New Delhi, India. The event will once again bring together the highest-level transport and infrastructure development decision makers to attend in one place at one time. These professionals are gathering to understand new technologies and products for their upcoming metro or monorail projects.

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Hear what past attendees have said about IQPC's transport conferences:

"An instructive conference that addressed the main challenges in the region for urban transportation." Alstom Transport

"The event was an excellent gathering for sharing knowledge and experience in transportation." Fugro











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