### Eighth edition
**Urban Rail-Based Transit Systems - A Virtual Conference**
* Progress, Plans, Opportunities and Challenges
* November 24-25, 2020

#### AGENDA/STRUCTURE (DAY ONE)

**WELCOME REMARKS**

9:20 A.M. - 9:30 A.M.  
Welcome Remarks by Indian Infrastructure

9:30 A.M. - 10:00 A.M.  
**TRENDS, IMPACT OF COVID-19 AND OUTLOOK**

**Questions/Topics:**
- What are the key sector trends? What has been the impact of Covid-19 on project delivery, operations and investments?
- What are the key issues and challenges?
- What is the outlook for the sector? What are the upcoming opportunities?

- Presentation by Karun Raj Singh Sareen, Director, Major Projects Advisory Infrastructure, Government & Healthcare (IGH), KPMG... plus Q&A

10:00 A.M. - 10:40 A.M.  
**KEYNOTE SESSION: UPMRC PERSPECTIVE**

**Questions/Topics:**
- What is UPMRC's perspective on the progress in the urban rail segment?
- What has been the impact of Covid-19 on project delivery, operations and investments?
- What are some of the noteworthy initiatives being taken to improve operations?
- What is the outlook for the urban-rail-based transit systems? What are some of the procurement and technology deployment related best practices?

- Presentation by Kumar Keshav, Managing Director, Uttar Pradesh Metro Rail Corporation... plus Q&A

10:40 A.M. - 11:00 A.M.  
BREAK-I

11:00 A.M. - 11:30 A.M.  
**MAHA METRO PERSPECTIVE**

**Questions/Topics:**
- What is Maha Metro’s perspective on the progress in the urban rail segment?
- What has been the impact of Covid-19 on project delivery, operations and investments?
- What are some of the noteworthy initiatives being taken to improve operations?
- What are the developmental and operational challenges? What are some of the procurement and technology deployment related best practices?

- Presentation by Ramnath Subramaniam, Director, Strategic Planning, Maharashtra Metro Rail Corporation... plus Q&A

11:30 A.M. - 12 NOON  
**KOCHI METRO PERSPECTIVE**

**Questions/Topics:**
- What is Kochi Metro’s perspective on the progress in the urban rail segment?
- What has been the impact of Covid-19 on project delivery, operations and investments?
- What are some of the noteworthy initiatives being taken to improve operations?
- What are the developmental and operational challenges? What are some of the procurement and technology deployment related best practices?

- Presentation by Thiruman Archunan, Director, Projects, Kochi Metro Rail... plus Q&A

12 NOON - 12:45 P.M.  
**KEYNOTE ADDRESS: GOVERNMENT PERSPECTIVE**

**Questions/Topics:**
- What has been the progress in the urban rail segment in the past 1-2 years?
- What has been the impact of the Metro Rail Policy, 2017?
- What has been the impact of Covid-19 on the segment? What are the key issues and challenges?
- What is the future outlook for the development of urban-rail-based transit systems?

- Address by Durga Shanker Mishra, Secretary (Housing and Urban Affairs), Ministry of Housing and Urban Affairs... plus Q&A

12:45 P.M. - 1:05 P.M.  
**SUSTAINABLE ARCHITECTURAL CLADDING FOR URBAN RAIL TERMINALS**

- Presentation by Mahendra Pingle, Deputy General Manager, Market Development and Niraj Rajesh, Deputy General Manager, Construction and Construction Safety for Lysaght business, Tata BlueScope Steel... plus Q&A

1:05 P.M. - 1:55 P.M.  
**CONTRACTORS’ PERSPECTIVE: EXPERIENCE, CHALLENGES, AND OUTLOOK**

**Questions/Topics:**
- What has been the experience so far? What has been the impact of Covid-19 on project execution?
- What are the key contractual issues? What are the lessons learnt?
- What is the future outlook? What are the expectations from the Concessioning authorities?

Panel discussion among (in alphabetical order):
- M.P. Naidu, Former Project Director, L&T Metro Hyderabad
- Santosh Rai, Head, Business Development, HCC
- Shaibal Roy, President, JMC Projects
- N. S. Sridharan, Project Manager – Bangalore Metro Phase 2 RT03, L&T
- Plus Q&A

1:55 P.M. - 2:35 P.M.  
BREAK-II

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| 2:35 P.M. – 2:55 P.M. | **ARTIFICIAL INTELLIGENCE IN TELECOM NETWORKS FOR FIBRE OPTICS TRANSMISSION SYSTEMS** | **Presentation by Abhishek Kumar, Business Development Manager, India & SAARC, Allied Telesis** | - What has been the experience with metro tunnel construction?  
- What are the key prevalent techniques and methods for tunnelling?  
- What are the key issues and challenges? What are the lessons learnt? |
| 2:55 P.M. – 3:40 P.M. | **TUNNELLING MARKET: NEW REQUIREMENTS, CHALLENGES AND OPPORTUNITIES** | **Presentations by:**  
- Ashish Gupta, President and Head Hydro projects, Contracts & Legal, Gammon  
- Rajesh Mittal, Chief Project Manager, MMRC  
- Plus Q&A | - What has been the experience with metro tunnel construction?  
- What are the key prevalent techniques and methods for tunnelling?  
- What are the key issues and challenges? What are the lessons learnt? |
| 3:40 P.M. – 4:30 P.M. | **FINANCIERS’ PERSPECTIVE AND THE WAY FORWARD FOR PPPs** | **Questions/Topics:**  
- What are the key financing trends in the sector?  
- What has been the overall experience with PPPs? What has been the impact of the Metro Rail Policy?  
- What are the new sources of funds and innovative financing models that can be explored (land value capture, property development, etc.)? What are the key risks and challenges? | - D. J. Pandian, Vice President, Investment Operations, AIIB  
- Siva Kumar Shanmugam, General Manager, IIFCL  
- Mahendra Pal Singh, Additional Chief Development Specialist, JICA  
- Plus Q&A |

**DAY ONE WRAP UP AND CLOSING REMARKS**
### AGENDA/STRUCTURE (DAY TWO)

#### RECAP OF DAY ONE
- Recap of Day One by India Infrastructure Research

#### 9:45 A.M. – 10:15 A.M.
**PROJECT SHOWCASE I: MADHYA PRADESH METRO RAIL**

**Questions/Topics:**
- What is the progress so far under the urban rail-based transit systems in the state?
- What are the new and innovative techniques being adopted to fasttrack project implementation?
- What is the future outlook for the development of these systems?

**Presentation by Shobhit Tandon, Addl. Director, Madhya Pradesh Metro Corporation...plus Q&A**

#### 10:15 A.M. – 11:05 A.M.
**ELECTRIFICATION NEEDS AND REQUIREMENTS-I**

**Questions/Topics:**
- What are the current electrification requirements of urban rail-based transit systems?
- What are the recent advances to ensure energy efficient operations?
- What are the key issues and challenges?

**Presentations by:**
- Jagdish Kumar, Executive Director (Electrical), DMRC
- Manish Agarwal, Vice-President & Head, Business Development – Infrastructure Sales, Mobility Division, Siemens
- Plus Q&A

#### 11:05 A.M. – 11:40 A.M.
**ELECTRIFICATION NEEDS AND REQUIREMENTS-II**

**Presentation by Dr Shashidhar Mathapati, Chief Technology Officer, Delta Electronics India...plus Q&A**

#### 11:25 A.M. – 12:10 P.M.
**L&T METRO HYDERABAD PERSPECTIVE**

**Questions/Topics:**
- What is L&T Metro’s perspective on the progress in the urban rail segment?
- What has been the impact of Covid-19 on project delivery, operations and investments?
- What are some of the noteworthy initiatives being taken to improve operations?
- What are the developmental and operational challenges? What are some of the procurement and technology deployment related best practices?

**Presentation by Anil Kumar Saini, COO, L&T Metro Hyderabad...plus Q&A**

#### 12:10 P.M. – 12:30 P.M.
**TECHNOLOGY SHOWCASE**

**Presentation by Dr Fatih Gundogan, General Manager, ASIS Elektronik...plus Q&A**

#### 12:30 P.M. – 1:20 P.M.
**SPOTLIGHT ON ROLLING STOCK**

**Questions/Topics:**
- What are the emerging rolling stock requirements? What are some of the recent advances?
- What has been the role of the MoHUA’s guidelines on rolling stock standardisation?
- What has been the progress in the indigenous manufacturing of rolling stock?
- What has been the experience in the operation of driverless trains?

**Panel discussion among (in alphabetical order):**
- Sanjay Kubba, Executive Director, RS/O&M, DMRC
- Devendra Mishra, Executive Director (Rolling Stock), Pune Metro Rail Project, Maha-Metro
- Dheeraj Gupta, General Manager & Head of Marketing, Sales and Business Development, Hitachi
- A representative from Alstom India

**Plus Q&A**

#### 1:20 PM – 1:50 P.M.
**EMERGING NON-REVENUE SOURCES: FOCUS ON STATION AREA DEVELOPMENT**

**Questions/Topics:**
- What are the new concepts being considered for enhancing non-revenue streams?
- What has been the experience so far? What are the upcoming opportunities in this area?
- What are the implementation roadblocks?

**Presentation by D.K. Sharma, Managing Director, Maha Mumbai Metro Operation Corporation ,MMRDA...plus Q&A**

#### 1:50 P.M. – 2:30 P.M.
**BREAK-II**

#### 2:30 P.M. – 2:55 P.M.
**BATTERY TRAINS A SOLUTION TO DECARBONIZE RAIL TRANSPORTATION**

**Presentation by Bruce Warner, Transportation Segment Manager, Hitachi ABB Power Grids...plus Q&A**

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### AGENDA/STRUCTURE (DAY TWO...CONTINUED)

2:55 P.M. – 3:25 P.M.  
**MOBILITY-AS-A-SERVICE: PROGRESS AND FUTURE POTENTIAL**

**Questions/Topics:**
- What have been the key advancements in this area?
- What are the new technologies being considered for deployment?
- What is the future of MaaS?
- Presentation by Vivek Ogra, Partner, PwC...plus Q&A

3:25 P.M. – 3:55 P.M.  
**PROJECT SHOWCASE II: PATNA METRO RAIL**

**Questions/Topics:**
- What is the progress so far under the Patna metro rail project?
- What are the new and innovative techniques being adopted to fastrack project implementation?
- What is the future outlook for the development of these systems?
- Presentation by Sushil Kumar, Project Director, Patna Metro Rail...plus Q&A

### CONFERENCE WRAP UP AND CLOSING REMARKS