

Urban Mobility India Conference (UMI), 2022

Technical Sessions

Session 1 – Climate Change and Urban Transport Impact

Title of the Session: Climate Change and Urban Transport Impact

Nature of the session – Technical Session

Date & Time - Day 1 – 4.11.22 (Friday) at 14:30 – 16:00

Venue – Grand Salon 1 (Hyatt Kochi)

Objective of the Session:

Cities in India are growing fast, boosting the country's economy; at the same time as they grow organically the spatial growth along with higher share of motorised personal transport is contributing exponentially to GHG emissions and climate change.

Government of India has committed to reducing the GHG emissions intensity of GDP by 33-35% by 2030 (Nationally Determined Contributions (NDC) following the Paris Agreement) and net zero by 2070 (COP26). India's transport sector, the 4th largest contributor of GHG emissions (accounting for 265 million tons of CO₂ in 2019[1]), has been identified as an intervention area towards this ambitious goal. Transport sector decarbonisation as well as climate adaptation and mitigation are key priorities of the country.

The objective of this session is to discuss and understand the gravity of the concerns faced by India cities along with potential package of institutional, regulatory, and planning interventions aimed at achieving climate adaptive and mitigative measures for sustainable urban development.

Session Structure:

Session Time – 1 hour and 30 minutes

- Opening Remarks - 5 minutes
- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes (Approx 10 mins for each presenter)
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Opening Remarks -Session Chair: Dr. Mangu Singh, Ex-MD, DMRC

Context Setting and Moderator: Mr. Gerald Ollivier (Lead Specialist, Transport), World Bank

Presenters: 6

Session Format:

Opening Remarks - Session Chair (14:30 - 14:35 Hrs)	Dr. Mangu Singh, Ex-MD, DMRC
Context Setting and Moderator (14:35 - 14:40 Hrs)	Mr. Gerald Ollivier (Lead Specialist, Transport), World Bank
Presentations and Q&A (14:40 - 15:55 Hrs)	<ul style="list-style-type: none">• Ms. Ritu Ahuja, The World Bank• Mr. Karthik Ganesan, Fellow and Director - Research Coordination, CEEW• Ms. Bianca Bianchi Alves, The World Bank• Ms. Rohini Balasubramanian, Sustainability Expert, ADB• Prof. Ashish Verma, Professor, Transportation Systems Engineering (TSE) Convenor, IISc Sustainable Transportation Lab (IST Lab), IISC Bangalore• Mr. Ankush Malhotra, Urban Mobility Expert and Head of Department- Urban Planning and Transit Development - SYSTRA, Systra
Closing/ Concluding Remarks (15:55 -16:00 hrs)	Dr. Mangu Singh, Ex-MD, DMRC and Mr. Gerald Ollivier (Lead Specialist, Transport), World Bank

Speakers Brief Profile

The brief profiles of the speakers are given below:

Dr. Mangu Singh, Ex-MD, DMRC



Dr. Mangu Singh, Former Managing Director of Delhi Metro Rail Corporation is a civil engineer by profession, He has given his credit in developing 310 km of Metro Systems in Delhi, Kochi, Jaipur and Mumbai cities.

In addition, Shri Mangu initiated the development of Metro projects of more than 150 km (Delhi, Mumbai, and Patna Metro). He has prepared DPR for Transport Systems of 2600 km with a total estimated cost of \$100 billion USD. This included DPRs for Metro network in cities of Delhi, Delhi NCRs, Mumbai,

Bangalore, Chennai, Kolkata, Lucknow, Pune, Kochi, Ludhiana, Gurgaon, Chandigarh, Chattisgarh, Nagpur, Surat, Ahmadabad, Navi Mumbai, Vijayawada, Hyderabad, Visakhapatnam, Bhopal and Indore (feasibility report), LRT in Dehradun, Haridwar, Trivandrum, Kozhikode and Delhi. Mono Rail in Kozhikode and Trivandrum, Ropeway in Dehradun and PRT (Personalized Rapid Transits System) in Haridwar, High Speed Airport Lines in Delhi, Hyderabad, Bangalore and Jewar, High-speed main Line in Kerala.

Mr. Gerald Ollivier (Lead Specialist, Transport), World Bank



Mr. Gerald Ollivier is Lead Transport Specialist for the World Bank in India. He focuses on developing solutions to enhance urban mobility, unlock markets for electric mobility, achieve sustainable economic integration through multimodal transport, and achieve safer transport to better serve the needs of India. Prior to India, he was Cluster Leader in the Singapore World Bank Hub and led the World Bank Community of Practice on Transit Oriented Development.

From 2010 to June 2018, he supported the development of metro lines and high-speed rail lines in China, as team leader for several World Bank projects. From 1995 to 2010, he focused on World Bank trade and transport projects in Europe and Central Asia. He is a civil engineer and a chartered financial analyst.

Ms. Ritu Ahuja, Climate Change Analyst, Climate and Disaster Risk Management, South Asia Region, the World Bank



Ms. Ritu Ahuja is a climate policy and DRM professional, currently working with the World Bank. An economist by training, she works on climate policy drivers to enable scalable climate action in building cross-sectoral systemic resilience and enhancing adaptive capacity, through innovative financial instruments and mechanisms. In her work with the World Bank, she supports the India office on means of embedding climate and disaster risk resilience measures across the Bank's operations in India and South Asia, identifying innovative mechanisms towards financing adaptation and resilience, and strengthening institutional frameworks. In the past she has worked with TERI, an Indian think tank, developing her fundamental understanding on ground level issues and in turn effective policy enablers.

Mr. Karthik Ganeshan, Fellow and Director - Research Coordination, CEEW



Mr. Karthik Ganesan An engineer by training, is a Fellow and Director, Research Coordination, at The Council. As Director, he has a bird's eye view of CEEW's ongoing and planned research and ensures cross-team coherence for CEEW's research direction and imperatives. He also dons the hat of an internal adviser across research teams, creates institutional platforms that spur innovation and, in partnership with other senior researchers, continues to strengthen CEEW's foundation for world-class research.

He has played a pivotal role in conceptualising and executing some of CEEW's biggest successes and collaborative efforts such as the ACCESS and IRES surveys and the associated studies, the GHG Platform Initiative and the first full fledged office programme office based out of Lucknow. Mr. Karthik holds a Masters degree in Public Policy from the Lee Kuan Yew School of Public Policy at the National University of Singapore. He also holds an undergraduate degree in Civil Engineering and an M.Tech in Infrastructure Engineering from the Indian Institute of Technology, Madras.

Ms. Bianca Bianchi Alves, The World Bank



Ms. Bianca Bianchi Alves is a Senior Urban Transport Specialist from the World Bank and PhD in Transport Engineering from the Polytechnic School of Sao Paulo. Her academic work focuses on travel behavior, reliability, and demand modeling for transport.

She has 20 years of experience working with planning and implementation of passenger rail, bus rapid transit, and roads, in Latin America, the US and more recently in South Asia. Since

joining the Bank, she has been focusing on Rail/BRT Projects, clean technologies, urban logistics, gender & transport, and sustainable transport policies.

Dr. Rohini Balasubramanian, Sustainability Expert, ADB



Dr. Rohini Balasubramanian based in Bengaluru, India and specializes in Environment, Sustainable Urban Development and Climate Change. Her areas of expertise include sustainable transport solutions, climate finance, green bonds, GHG emission reduction mechanisms and sustainable urban planning and development. She has experience in working in various geographies such as South Asia (India, Bangladesh), South East Asia (the Philippines, Cambodia, Laos, Thailand, Vietnam), Korea and Egypt. She has also worked on projects for adoption of sustainable and low carbon fuels blends such as ethanol blending in bus fleets in India, biodiversity conservation corridors for Green Freight Project in Greater Mekong Region, etc. She also specializes on GHG monitoring, reporting and verification activities.

Her latest experience involved being a nodal officer for Climate Action Plan at Bruhat Bengaluru Mahanagara Palike (BBMP). Under her leadership, she initiated many activities along with C40 & WRI. She successfully launched the Woman4Climate, Inclusive Climate. Action, & Air Quality program. She has been engaged in the National Clean Air Program and Solid Waste Management for the city of Bengaluru.

**Prof. (Dr.) Ashish Verma, Professor, Transportation Systems Engineering (TSE)
Convenor, IISc Sustainable Transportation Lab (IST Lab), IISc Bangalore**



Prof. (Dr.) Ashish Verma is the Convenor of “IISc Sustainable Transportation Lab. (IST Lab.)”. He is Ph.D. from IIT Bombay and is currently serving as a Professor of Transportation Systems Engg. at Dept. of Civil Engg, Indian Institute of Science (IISc), Bangalore, India. His research interests are in; sustainable transportation planning & policy, integrated public transport planning and management, transport & Quality of Life (QoL), transport & climate change, modeling and optimization of transportation systems, travel behavior analysis and modeling, pedestrian and crowd flow modeling, driver behaviour and road safety, intelligent transportation system (ITS), traffic control & management etc. He has authored more than 224 research publications, including more than 89 journal publications, in the area of sustainable transportation. He is the Founding and Immediate Past President of the society Transportation Research Group of India (TRG). He is presently serving as Steering & Scientific Committee Member of World Conference on Transport Research Society (WCTRS). He is also currently serving as Hony. Secretary of Institute of Urban Transport (India). More details about him can be seen on his IST Lab.

Mr. Ankush Malhotra, Urban Mobility Expert and Head of Department- Urban Planning and Transit Development, Sysstra



Mr. Ankush Malhotra is Urban Mobility Expert and Head of Department- Urban Planning and Transit Development-SYSTRA, India and is spearheading implementation of urban mobility projects in the company. Mr. Ankush Malhotra has done his Master's in Planning and has more than 22 years of experience and has vast experience of working on various projects as a Team Leader/Program Manager in areas such as institutional reforms, training and capacity building, urban and transport policy formulation, preparation of mobility plans, TOD Plans, urban transport plans, parking studies, preparation of feasibility studies, area development plans, DPRs and project reports for urban transport projects with cities and various funding agencies. He is leading teams working with various cities in India advising cities on implementing alternative transit systems such as Metro Lite, Metro Neo, Electric buses, Cable Car systems and improving first and last mile connectivity and preparation of Transit Oriented Development Plans. At present, he is involved in preparation of a National level Climate Change Strategy for urban transport in India. This will help to support the Govt. of India (GoI) in achieving the goals of the global climate change mitigation agenda by assisting in developing policies/ projects and capacity building initiatives at both National and local level for Urban transport.

Session 2 – Planning for Bus based Public Transport

***Title of the Session:** Planning for Bus based Public Transport*

***Nature of the session** – Technical Session*

***Date & Time** - Day 1 – 4.11.22 (Friday) at 14:30 – 16:00*

***Venue** – Grand Salon 2 (Grand Hyatt Kochi)*

Background of the Session:

Low carbon mobility is one of the thrust areas of National Urban Transport Policy of 2006. India has committed to net zero emission in the UN Climate Change Conference in Glasgow (COP26) by 2070. Key areas of thrust to achieve these targets are augmentation of public transportation and electrification. The National eBus Program as well as the MoHUA Bus Scheme are expected to induct more than 60,000 buses by 2030.

Public transport planning encompasses a whole range of issues of accessibility, affordability and financing of public transport. City bus agencies are cash-strapped bodies trying to stretch thin resources to cover a large demand. Schemes like JNNURM, Smart Cities Mission and AMRUT have been instrumental in augmenting public transport in cities. The FAME scheme has supported the procurement of around 7000 e-buses in India of which around 2800 have hit the roads.

This session will examine the capacity gaps in cities to strategize, plan and manage future-proof public transport systems while leveraging innovative financing mechanisms.

Session Structure:

Session Time – 1 hour and 30 minutes

Time	Stage	Speaker
05 mins	Opening Address	Dr. Surendrakumar Bagde
10 mins	Context Presentation	Mr. Pawan Mulukutla
20 mins	Panel Discussion	Chair & Panellists
10 mins	Q&A with Audience	Chair, Panellists and Audience
10 mins	IT Solution in Bus Transport	Mr. Vivek Ogra, Partner, E&Y
20 mins	Panel Discussion	Chair & Panellists
10 mins	Q&A with Audience	Chair, Panellists and Audience

Time	Stage	Speaker
05 mins	Concluding Remark	Dr. Surendrakumar Bagde

The Technical session would comprise of the following:

Session Chair & Moderator: Dr. Surendra kumar Bagde, Additional Secretary, MoHUA

Context Presentation: Mr. Pawan Mulukutla, Director, WRI India

Speakers: 5

Speakers Brief Profile

The brief profiles of the speakers are given below:

Dr. Surendra Kumar Bagde, Additional Secretary, MoHUA



Dr. Surendra Kumar Bagde has spent more than 27 years in the Indian Administrative Service. In his career he has promoted domestic & foreign direct investment in various sectors in the State of Maharashtra and was involved in the formulation of State's policies for Information Technology and Biotechnology sectors during his stint at Maharashtra Industrial Development Corporation.

While working in the Government of India, Dr. Bagde has dealt with the formulation of national strategy on bilateral economic cooperation with countries like USA, Japan and Canada.

Dr. Bagde has been working as the General Manager, Brihan Mumbai Electric Supply & Transport, Undertaking (BEST) Mumbai since May 2017.

Dr. Bagde holds a Graduate Degree in Electrical Engineering from VJTI and a PhD in Applied Economics and Management from Carnegie Mellon University, USA. Dr Bagde's research has appeared in the American Economic Review and the American Sociological Review.

Mr. Pawan Mulukutla, Director, WRI India



Pawan Mulukutla is the Director of Integrated Transport, Electric Mobility & Hydrogen at WRI India. He has 20 years of experience working at the intersection of mobility and energy with various stakeholders and responsible for shaping WRI India's Public Transport, Electric mobility and Hydrogen Programs.

Pawan's areas of focus include Hydrogen Value Chain, India's pathway to Hydrogen economy, Value chain system and Skill Development, Energy Storage, EV Industrial evolution, Charging infrastructure planning framework, and EV Asset Financing. Prior

to moving back to India in 2012, he worked in the US for a decade with more than 20 cities on multiple topics ranging from Multi-modal Integration, Transit Planning, Long Range Transportation Planning, among others.

Pawan holds an Advanced Management Program from IIM Bangalore, Masters' degree in Transportation Planning from Clemson University USA and a Bachelors' degree in Civil Engineering from National Institute of Technology, Bhopal (Formerly REC).

Mr. Vivek Ogra, Partner, Ernst & Young



Mr Vivek Ogra is a Partner at EY and leads Transport Consulting practice in India. He is a Transportation and Mobility systems expert with over 27 years of experience, specializing in public transport Systems, Traffic management and road safety systems, Ports transformation, Airports etc. to name a few.

Vivek has led significant transformation programs globally, which include Application of emerging technologies in transport systems, e-mobility implementation, multi-modal transportation systems Road Safety systems and standards for transport technology in India.

He has worked on a number of international projects as a transport specialist in various countries including USA, UK, Africa, Thailand, Malaysia, Middle East and India. He has also authored several publications globally on subject areas such as integrated TMS, sustainable livelihood and others.

Mr. Sachin Nijhawan, CEO, Switch Mobility Ltd.



Mr. Sachin has over 25+ years of Work Experience in Business Development, Sales & Marketing, He is currently the Chief Revenue Officer at Switch Mobility heading Sales, Marketing, Aftermarket, Product, Program & Communications.

Prior to Switch he was with Mahindra & Mahindra (M&M) for a brief period (1997 – 2021) handling various assignments, His last assignment at M&M was as Senior VP - Head of International Operations at Mahindra Auto, from 2019 to 2022 Sachin was Business Head and Senior VP at Mahindra Powerol, during 2017 to 2019 he was Business Head and VP at Mahindra Construction Equipment. Sachin also worked in Tide Water Oil Company (India) Ltd from 1995 to 1997 & Jai Parabolic Springs Ltd from

1992 to 1995

Sachin Nijhawan is a BE - Mechanical Engineer from Nagpur University, He is a recipient of Fulbright scholarship from Carnegie Mellon University & has also undergone Certification Program from IIM Ahmedabad.

Shri. KVS Choudary, Municipal Commissioner - Bhopal Municipal Corporation and Managing Director - Bhopal City Link Ltd.



Shri. KVS Choudary is an Indian Administrative Service (IAS) officer from the 2011 batch. He is serving in Madhya Pradesh cadre after getting trained in Mussoorie from Lal Bahadur Shastri National Academy of Administration. He holds his Graduation degree in commerce & did his Post-graduation in Rural Management from the Institute of Rural Management, Anand. Before being appointed as Municipal Commissioner – Bhopal, he held several other charges as CEO of Zila panchayat Anuppur, and Collector of Districts Ashok Nagar, Katni, and Singrauli.

Since June 2020, as Municipal Commissioner in Bhopal, he has successfully completed important project such as the water supply and sewerage projects under AMRUT Scheme, and bio-remediation of old legacy dumpsite at Bhanpur. With his initiative, Bhopal Municipal Corporation started important PPP projects in Solid Waste Management (SWM) such as setting up of 400 tons per day Municipal Solid Waste to torrefied charcoal plant with NTPC and 400 tons per day Bio-CNG Plant from Wet Waste. Under his leadership, Bhopal achieved 6th position in Swachh Survekshan 2022 and was also given the award for the Self-Sustainable Capital City.

He has taken important green initiatives and started several renewable energy projects such as the 20 MWS solar power project in Neemuch district, 15 MWS wind power project, and 2 MWS solar rooftop power project.

Mr. Rohit Srivastava, Vice President & Head, Tata Motors Limited

(Profile Awaited)

Urban Mobility India Conference (UMI), 2022

Session 3 – Gati Shakti Master Plan - the role of cities

Nature of the session – Gati Shakti Master Plan - the role of cities

Date & Time - Day 2 – 5.11.22 (Saturday) at 11:30 – 13:00

Venue – Grand Salon 1 (Hyatt Kochi)

Session Details

The Government of India has launched PM Gati Shakti–National Master Plan for multi-modal connectivity. It is essentially a digital platform to bring 16 Ministries including Railways and Roadways together for integrated planning and coordinated implementation of infrastructure connectivity projects. The multi-modality thus achieved, will provide integrated and seamless connectivity for movement of people, goods and services from one mode of transport to another. It will facilitate last mile connectivity of infrastructure and also reduce travel time significantly. The cities would play a key role in housing these multi-modal hubs and will also stand to benefit from these facilities.

In the light of this, the session will focus on the following: The GatiShakti National Master Plan and how it is supposed to streamline the work of Cities, National Master Plan (NMP), its various layers and its features which will be useful for cities & the work undertaken by one city/state. The advantages and challenges that they have faced, the support which can be leveraged from academia/cso's on supporting the cities for successful implementation and use of NMP Portal for betterment of city planning & infrastructure.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes @12 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Session Chair: Mr. Anurag Jain, IAS: Secretary - Department for Promotion of Industry and Internal Trade, Government of India

Speakers: 5

Session Format:

Keynote & Context Setting by Session Chair (11:30 - 11:35 Hrs)	Mr. Anurag Jain, IAS: Secretary - Department for Promotion of Industry and Internal Trade, Government of India
Moderator	Mr. Deepak Baindur, Program Manager, GiZ
Presentations and Q&A (11:35 PM - 12:55 PM)	<ul style="list-style-type: none">• Dr. Jivisha Joshi Gngopadhyay, Deputy Secretary, Logistics Division, DPIIT, MoCI• Mr. Kaizar Dev Barman, Additional Director (Logistics), Dept. of Industries & Commerce, Govt of Tripura• Prof Shivanand Swamy, Director Emeritus, CoE-UT, CRDF-CEPT• Dr. Pawan Kumar, Associate Town and Country Planner, Town & Country Planning Organisation, Ministry of Housing and Urban Affairs, GoI• Mr. Iftikhar Ahmad Hakim, Chief Town Planner, Kashmir and Additional Charge of Director Planning and Coordination, J&K ERA
Closing/ Concluding Remarks (12:55 PM -13:00 PM)	Mr. Anurag Jain, IAS: Secretary - Department for Promotion of Industry and Internal Trade, Government of India

Speakers Brief Profile

The profiles of the speakers are given below:

Mr. Anurag Jain, IAS: Secretary - Department for Promotion of Industry and Internal Trade, Government of India



Shri Anurag Jain is an Indian Administrative Service (IAS) Officer of 1989 Batch in Madhya Pradesh Cadre. He assumed the charge of the office of Secretary, Department for Promotion of Industry and Internal Trade (DPIIT). He as Joint Secretary in the Ministry of Finance is credited with conceptualizing and implementing one of the most successful initiatives 'Pradhan Mantri Jan Oshan Yojana', the largest financial inclusion programme in the World. As Secretary to Chief Minister, Madhya Pradesh, he was the prime mover of enactment of Public Service Delivery Management Act, an innovative concept adopted by more than a dozen States in the country. As Secretary, Information Technology, Govt. of Madhya Pradesh, he was instrumental in taking the State to top rungs in e-Readiness Assessment of States and Union Report.

Mr Deepak Baindur, Program Manager, GiZ



(Dr. Deepak Baindur serves as the Project Manager for the German Development Agency's (GIZ India). GIZ is a service provider commissioned by the German Federal Ministry for Economic Cooperation and Development (BMZ) for international sustainable development and education work. Deepak comes with over 25 years of work experience in maritime transportation and logistics sector of which initial 15 years have been in the maritime transport and logistics industry. Prior to joining GIZ in 2015, he served as faculty in many prestigious Indian Institutes such as Indian Institute of Human Settlements, Bengaluru, Indian Maritime University, Chennai, CEPT University, Ahmedabad, Indian Institute of Science, Bengaluru and specialised in Transport Economics, Transport Management and Logistics since 2009.

Dr. Deepak Baindur holds a PhD in Transportation from the Technical University of Lisbon, Portugal and a Master's Degree in Transportation and Maritime Management from the University of Antwerp, Belgium.

Dr. Jivisha Joshi Gangopadhyay, Deputy Secretary, Logistics Division, DPIIT, MoCI



Dr. Jivisha Joshi Gangopadhyay is the Deputy Secretary in Logistics Division, Department for Promotion of Industry and Internal Trade in the Ministry of Commerce. She is the nodal officer for PMGatishakti. Along with PMGatishakti, her responsibilities include - National logistics policy, Green logistics initiative, International and EXIM related issues pertaining to logistics. She is also holding charge as the Managing Director, Jammu Kashmir Development Financial Corporation. She is an

officer of the Indian Railway Traffic Service. She is an avid reader, trained dancer and travel enthusiast.

Prof. Shivanand Swamy, Director Emeritus, CoE-UT, CRDF-CEPT



Prof. Shivanand Swamy is a Emeritus Director Center of Excellence in Urban Transport CRDF, CEPT University Prof. Shivanand is an economist and urban and regional planner with deep experience in transport systems, integrated land use-transport development planning and management. He has been teaching at CEPT University since 1986 and has served as a policy and systems advisor to National, State and Local Governments on public transport and planning initiatives across the country. He has been instrumental in spearheading the planning and operationalization of Janmarg, Ahmedabad, and the first dedicated

Bus Rapid Transit System (BRT) in India. Prof. Swamy is an advisor to the MoHUA, Government of India on evolving planning and design guidelines for BRTS and scaling up of bus-based services in Indian cities. He is currently involved in facilitating technology adoption, operations, financing and capacity building for transitioning to electric public mobility in India. Prof. Shivanand is an economist and urban and regional planner with deep experience in transport systems, integrated land use-transport development planning and management. He has been teaching at CEPT University since 1986 and has served as a policy and systems advisor to National, State and Local Governments on public transport and planning initiatives across the country. He has been instrumental in spearheading the planning and operationalization of Janmarg, Ahmedabad, and the first dedicated Bus Rapid Transit System (BRT) in India. Prof. Swamy is an advisor to the MoHUA, Government of India on evolving planning and design guidelines for BRTS and scaling up of bus-based services in Indian cities. He is currently involved in facilitating technology adoption, operations, financing and capacity building for transitioning to electric public mobility in India.

Dr. Pawan Kumar, Associate Town and Country Planner, Town & Country Planning Organisation, Ministry of Housing and Urban Affairs, GoI



Dr. Pawan Kumar is basically Architect-Town Planner having Bachelor Degree in Architecture, Master Degree in Town Planning and Ph.D. in Transportation. He is alumnus of IIT, SPA and NIT. At present, he has been working as Associate Town & Country Planner in TCPO, Ministry of Housing and Urban Affairs, Govt. of India, New Delhi. He has 25 years professional experience in the field of transport planning, housing, architecture, etc. He has authored more than 100 technical papers related to transport, passenger security, environment, infrastructure planning, etc.

which have been published in various International and National Journals. He has also authored 10 Chapters on various topics in different books.

He was one of the trained trainers by the Institute of Urban Transport (India) for providing training for city officials on subject modules of urban transport prepared through Sustainable Urban Transport Project (SUTP). He has also delivered Key note address, talks on various current topics in National & International Seminars, Conferences, Short Term Courses, professional training program, etc. Presently, he is more focused towards various issues of planning and design of multi modal transport system in medium and small Indian cities.

Mr. Iftikhar Ahmad Hakim, Chief Town Planner, Kashmir and Additional Charge of Director Planning and Coordination, J&K ERA (Profile Awaited)



Mr Iftikhar Ahmad has over 33 years of experience in the preparation of urban planning and policy framework at micro, macro and regional levels in Jammu and Kashmir. He has been involved in the preparation of a number of master plans, the Unified Building Byelaws-2021, supervising the preparation of comprehensive mobility plans and Local Area Plan-Town Planning Scheme (LAP/TPS).

In addition to this, as Director (Planning and Coordination) of Jhelum and Tawi Recovery Project, He has been involved in the procurement of the consulting services and the implementation of the Jhelum-Tawi Flood Recovery Project which inter alia included the pioneering work in the field of River Morphology Studies, Multi-hazard Risk Assessment and the design guidelines for buildings.



Mr. Kaizar Dev Barman, Additional Director (Logistics), Dept. of Industries & Commerce, Govt of Tripura

Shri Kaizar Dev Barman has done M.Com, LLB and has a PG Diploma in HRM. He joined government service in 1982 and has over 40 years of experience in service. His previous work engagements include district industries centres, rural development department, handloom handicrafts & sericulture & Tripura khadi & villages Industries board. Currently serving as Additional Director of Industries & Commerce department in Govt. of Tripura since 2011, he is currently engaged in supervising and monitoring of PM Gati Shakti affairs/ works in the State. Apart from that he is also looking after the Petroleum & Natural gas affairs/ MSME affairs/ Legal affairs of the department of industries & commerce, Govt. of Tripura.

Session 4 - “Sustainable PPP” in Bus Transport

Nature of the session – Technical Session

Date & Time - Day 2 – 5.11.22 (Saturday) at 11:30 – 13:00

Venue – Grand Salon 2 (Hyatt Kochi)

Background of the Session:

Global experience shows that cities are moving towards Public Private Partnerships (PPP) model for operation of city bus services. The Government of India (GoI) has been instrumental in adopting PPP reforms since last two decades.

Contract Management and performance monitoring of service providers is crucial for transparent functioning of PPP based bus operations. This session will explore and address risks associated with PPP contracting practices for bus agencies and operators and Share knowledge, experiences and innovative approaches to scale up bus adoption in Indian cities.

Session Structure:

Session Time – 1 hour and 30 minutes

Time	Stage	Speaker
05 mins	Opening Address	Dr. Surendrakumar Bagde
10 mins	Context Presentation	Mr. Madhav Pai
20 mins	Panel Discussion	Chair & Panellists
10 mins	Q&A with Audience	Chair, Panellists and Audience
10 mins	PPP contract management practices	Mr. C.K.Goyal
20 mins	Panel Discussion	Chair & Panellists
10 mins	Q&A with Audience	Chair, Panellists and Audience
05 mins	Concluding Remark	Dr. Surendrakumar Bagde

The Technical session would comprise of the following:

Session Chair & Moderator: Dr. Surendrakumar Bagde, Additional Secretary, MoHUA

Speakers: 67

Speakers Brief Profile

The brief profiles of the speakers are given below:

Dr. Surendra Kumar Bagde IAS, Additional Secretary, MoHUA



Dr. Surendra Kumar Bagde has spent more than 27 years in the Indian Administrative Service. In his career he has promoted domestic & foreign direct investment in various sectors in the State of Maharashtra and was involved in the formulation of State's policies for Information Technology and Biotechnology sectors during his stint at Maharashtra Industrial Development Corporation.

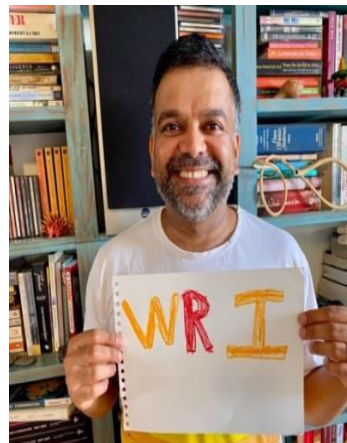
While working in the Government of India, Dr. Bagde has dealt with the formulation of national strategy on bilateral economic cooperation with countries like USA, Japan and Canada.

Dr. Bagde has been working as the General Manager, Brihan Mumbai Electric Supply & Transport, Undertaking (BEST) Mumbai since May 2017.

Dr. Bagde holds a Graduate Degree in Electrical Engineering from VJTI and a PhD in Applied Economics and Management from Carnegie Mellon University, USA. Dr Bagde's research has appeared in the American Economic Review and the American Sociological Review.

Mr. Madhav Pai, Executive Director, WRI India.

Madhav Pai is the Program Executive Director of WRI India Ross Center. He spearheads a large urbanization policy research and prototyping support program that informs key areas of India's urban growth story. For the last two decades, Madhav has led, designed, and implemented urban programs and projects, across continents, in over a dozen countries.



He has led several projects around emerging urbanism ideas such as the use of tactical urbanism and public campaigns around pedestrian/social infrastructure.

Madhav is a published author and has written several research papers for renowned journals, articles, and books on urban transport, urban planning, resilience, and clean air. He is a civil engineer from Mumbai and holds a master's in Transport Planning from the University of California, Berkeley.

Mr. Biju Prabhakar, IAS, Transport Secretary, Kerala Government



Shri Biju Prabhakar is the Transport Secretary for the Government of Kerala. He has held positions like Special Secretary in charge of the Department of Social Justice and Women & Child Development, Secretary (i/c) of Public Works department, Director of Agriculture, District Collector and District Magistrate of Trivandrum, Commissioner of Food Safety, Managing Director, Kerala Medical Services Corporation, Director of State Lotteries and Project Director of the Bhoomi Keralam in the past. His key achievements include the Karunya Lottery & Benevolent Fund, the Karunya Pharmacy Chain, India's first educational channel- Victers, Operation

Anantha for the flood victims of Trivandrum, Arteria, Land Acquisition of Highways/Projects and Take - a - Break toilets.

Mr. C.K Goyal, Senior Vice President, Delhi Integrated Multi-Modal Transit System Limited.



Mr. C K Goyal is working as a key resource in planning of new buses both CNG and Pure Electric under concession model in new clusters in Delhi. In his current role, he is also responsible for managing and monitoring cluster services in Delhi. He has + 35 year experience.

He also worked as national expert in United Nations Office for Project Services (UNOPS) in evaluation of tenders for procurement of buses. Further, he worked on various international projects including BRT corridor in Addis Ababa, Ethiopia and revamping bus transport system in Kabul, Afghanistan.

Prior to DIMTS, he has served in Delhi Transport Corporation for more than 22 years at various levels.

Mr. Prasanna Patwardhan, Chairperson & Managing Director, Prasanna Group of Companies



Mr. Prasanna Patwardhan has been instrumental in introducing new activities such as Passenger, Goods transportation, Domestic/International Tours & Travels and highway Restaurants/Motels. He has consolidated the group activities and drove the group's annual turnover from mere 3.0 lacs to 300+ crores.

The Prasanna Group can today boast of being one of the largest Transport Company operating across the country with a fleet of over 1000+ vehicles ranging from Indica cars to Volvo buses and small tempos to multi-axle trucks providing employment to around 4000+ people.

Prasanna Group, has a long history of more than five decades in the Transportation & Leisure business with qualified, experienced and highly trained team of professionals managing the operations 24/7.

Mr Gerald Ollivier (Lead Specialist, Transport), World Bank



Mr. Gerald Ollivier is Lead Transport Specialist for the World Bank in India. He focuses on developing solutions to enhance urban mobility, unlock markets for electric mobility, achieve sustainable economic integration through multimodal transport, and achieve safer transport to better serve the needs of India. Prior to India, he was Cluster Leader in the Singapore World Bank Hub and led the World Bank Community of Practice on Transit Oriented Development. From 2010 to June 2018, he supported the development of metro lines and high-speed rail lines in China, as team leader for several World Bank projects. From 1995 to 2010, he focused on World Bank trade and transport projects in Europe and Central Asia. He is a civil engineer and a chartered financial analyst.

Mr. Rohit Srivastava, Vice President & Head, Tata Motors Limited

(Profile Awaited)

Mr. Arun Bothra, Transport Commissioner, Govt. of Odisha



Mr. Arun Bothra is a 1996 batch Indian police service (IPS) officer in the state of Odisha. The Odisha state government appointed 1996 batch IPS officer as the new transport commissioner, so he was appointed as the chairman cum managing director of Odisha state road transport corporation(OSRTC) and the chief executive officer of the capital region urban transport(CRUT) at Bhubaneswar, Odisha in June 2021.

In the Covid 19 pandemic, he had done many amazing works such as the Mo bus initiative which is a sustainable transport in the capital city that is why his name was found in the lists of 21 Heroes 2021, selected by Transformative urban mobility initiative for ensuring Swift transportation to the public during the covid19 pandemic.

Urban Mobility India Conference (UMI), 2022

Session 5- Gender Inclusive Mobility

Nature of the session – Gender Inclusive Mobility

Date & Time - Day 2 – 5.11.22 (Saturday) at 11:30 – 13:00

Venue – Grand Ball Room 1 (Hyatt Kochi)

Session Details

Women are generally found to be underrepresented in the transport sector because of stringent qualification criteria, stated arduous nature of the job, odd timings, safety concerns and societal norms. Their limited presence adversely impacts the infrastructure and service design of the system. Issues of overcrowding, deserted, ill-lit streets and bus stops, poor crew conduct, low women presence, absence of crime preventing elements make women feel vulnerable while travelling. These issues often result in restricted mobility and missed educational and employment opportunities. With this session, we seek to facilitate discussion on gender inclusive transport, pertaining to issues faced by women in transportation systems and the interventions various cities have taken up to make the system more inclusive alongside their impact.

Session Structure:

Session Time – 1 hour and 30 minutes

1. Opening Address – 5 minutes
2. Context Setting – 5 minutes
3. Presentations – 75 minutes @ 15 mins each for each presenter
4. Question & Answer – 5 minutes
5. Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Session Chair: Ms. V. Manjula - Directorate of Urban Land Transport

Context Setting & Moderator: Ms. Krishna Desai, Technical Advisor, GIZ

Speakers: 5

Session Format:

Session Chair: -Opening Remarks (11:30 - 11:35 Hrs)	Ms. V. Manjula - Directorate of Urban Land Transport
Keynote & Context Setting by Moderator (11:35 - 11:40 Hrs)	Ms. Krishna Desai, Technical Advisor, GIZ
Presentations and Q&A (11:40 PM - 12:55 PM)	<ol style="list-style-type: none">1. Ms. Dipti Mohapatra, General Manager at Capital Region Urban Transport (CRUT); Officer on Special Duty, Odisha State Road Transport Corporation (OSRTC); Secretary, Berhampur Development Authority; and Deputy CEO at Ganjam Urban Transport Service Ltd.2. Dr. Kalpana Vishwanath, Co-Founder and CEO, Safetipin3. Ms. Shilpa Shinde, IAS , MD DTC/ Special Commissioner, Transport , Transport Department, Delhi (TBC)4. Ms. Priya Singh, Cofounder and Director, Chalo Mobility5. Ms Meera Sundararajan, Gender and M&E Expert and Team Lead at the Gender and Policy Lab, Greater Chennai Corporation.
Closing/ Concluding Remarks (12:55 PM -13:00 PM)	Ms. V. Manjula - Directorate of Urban Land Transport

Speakers Brief Profile

The brief profiles of the speakers are given below:

Ms V. Manjula IAS, Commissioner, DULT Bangalore



Manjula Vinjamuri is a post-graduate in Organic Chemistry from Osmania University, Hyderabad, India. She was selected for the Indian Administrative Service in 1987. She worked in diverse sectors like Rural and Urban development, Power, Information Technology and Biotechnology, Urban Transport, Education including Medical Education and Administrative reforms & training department of the Government of Karnataka. Currently, she is working in the Directorate of Urban Land Transport in Karnataka as

Commissioner & E/o Additional Chief Secretary to Government, and is also Director General, Administrative Training Institute, Mysuru.

During her tenure in various posts, she played a significant role in formulating policies like State startup policy, Animation and Visual graphics policy; implementing public awareness campaigns like total literacy campaign, “Cycle day” to popularise cycling as a preferred mode for short urban commutes; implementing Information technology based initiatives like online Birth and death registration in rural areas, hospital information systems in medical colleges; e-office in the Karnataka secretariat and subordinate offices; introducing consent awards for acquisition of land in rural and urban areas; preparation of district level human development reports etc.

Ms. Krishna Desai, Technical Advisor, GIZ

Ms. Krishna Desai is a technical advisor at GIZ since 2019, and is currently working for the



SUM-ACA project. As part of the projects, she has worked on gender reforms for transport sector, identifying the issues and key reforms towards developing gender-sensitive transportation systems for the state of Kerala. She has also worked on various projects such as route rationalization for city bus service in Trivandrum, Hydrogen strategy for Kerala, Making Way for buses to name a few. Ms Krishna Desai is a technical advisor at GIZ since 2019, and is currently working for the SUM-ACA project. As part of the projects, she has worked on gender

reforms for transport sector, identifying the issues and key reforms towards developing gender sensitive transportation systems for the state of Kerala. She has also worked on various projects such as route rationalization for city bus service in Trivandrum, Hydrogen strategy for Kerala, Making Way for buses to name a few.

Ms. Dipti Mohapatra, General Manager at Capital Region Urban Transport (CRUT)



Ms. Dipti currently holds the position of General Manager at Capital Region Urban Transport (CRUT); Officer on Special Duty, Odisha State Road Transport Corporation (OSRTC); Secretary, Berhampur Development Authority; and Deputy CEO at Ganjam Urban Transport Service Ltd. Ms Dipti has had a remarkable journey, especially in CRUT, where she has transformed the mobility experience in Bhubaneswar. She has redefined “The Way We Move” by providing an integrated gender-inclusive public transit system. Some of the revolutionary initiatives introduced under her leadership include gender-sensitisation workshops for bus crews across the state through Bus Pathshala, collection of gender-disaggregated ticket data, and training women and transgender people to lead CRUT’s E-rickshaw feeder service.

Dr. Kalpana Vishwanath, Co-Founder and CEO, Safetipin



Dr. Kalpana, a researcher and practitioner on gender inclusive urbanisation and mobility, is the co-founder and CEO of Safetipin, a social enterprise that uses technology and data to advocate for safe urban spaces for women. Safetipin has worked with city consulted with UN Women and UN Habitat on research studies on safer cities.

She is a member of the Advisory Group on Gender Issues (AGGI) at UN Habitat, Board member of SLOCAT, ICPC, and the Chair of Jagori. She has published widely in newspapers, magazines and journals and has co-edited a book on Building Gender Inclusive Cities. She wrote a weekly column on inclusive urban spaces for Hindustan Times.

Ms. Meera Sundararajan, Gender and M&E Expert and Team Lead at the Gender and Policy Lab, Greater Chennai Corporation.



Ms. Meera works as the Gender and M&E Expert and Team Lead at the Gender and Policy Lab, Greater Chennai Corporation. She is a Social Development professional with over two decades of experience in the social sector. She has worked with Government, NGOs (National and International) and corporate entities as a Monitoring & Evaluation lead, Gender Expert and Program Manager. Her thematic areas of work covers Livelihoods and Nutrition with Gender being a cross cutting theme across. She has worked in projects

spanning Tamil Nadu, Andhra Pradesh, Telangana, Odisha and Bihar. She holds a Bachelor's Degree in Agriculture from the then Andhra Pradesh Agriculture University, Hyderabad (now called Acharya N G Ranga Agriculture University) and a Master's in Social Work from the Tata Institute of Social Sciences, Mumbai.

Ms. Shilpa Shinde, IAS , MD DTC/ Special Commissioner, Transport , Transport Department, Delhi



Ms. Shilpa Shinde currently holds the position of Managing Director, Delhi Transport Corporation with additional charge of Special Commissioner (Transport). She is a 2006 batch IAS officer. As the Managing Director, DTC Ms. Shilpa has taken up several initiatives to encourage more women in public transport and create gender sensitive transport infrastructure. Some of these initiatives include relaxing eligibility criteria to encourage women as bus drivers. Ms. Shilpa is also leading the initiative of decarbonizing public transport systems in Delhi Transport Corporation through introduction of electric buses.

Ms. Priya Singh, Cofounder and Director, Chalo Mobility



Ms. Priya Singh is a graduate from Stanford University Graduate School of Business
20+ years of diverse leadership experience with Startup, Internet Industry, Development Sector/International NGOs, Public Private Partnership, Government Policies and Implementation. She served as associate vice president , vice president and sr. vice president in Car wale for 7 years . she was a Board Of Director Bhaichung Bhutia Football Schools for 3 years . Presently she is a Cofounder and Director, Chalo Mobility with a vision of Building a company with a purpose of human and social development impact. Making Travel Better for Everyone Through Digitising Public Transportation in India.

Urban Mobility India Conference (UMI), 2022

Session 6 - Smart Mobility Solutions & Mobility as a Service (MaaS)

Nature of the session – Smart Mobility Solutions & Mobility as a Service (MaaS)

Date & Time - Day 2 – 5.11.22 (Saturday) at 14:30 – 16:00

Venue – Grand Salon 1 (Hyatt Kochi)

Session Details

Urban Mobility is an area that continuously evolves. The rapid growth of digital advancement, the ubiquitous use of mobile phones and increasing use of wearable technologies, coupled with the ability of organizations to generate, store and analyse massive quantities of user data (termed as BIG DATA), means that companies now have the ability to assemble and predict the travel behaviour and other mobility related habits of consumer more easily. This abundant availability of mobility data has enabled service operators to come up with innovations like Mobility as a Service (MaaS). MaaS has the potential to revolutionize the urban mobility system. This session will focus on the concept of MaaS and its need, challenges and opportunities for cities including key enablers for developing a thriving MaaS ecosystem.

Session Structure:

Session Time – 1 hour and 30 minutes

- Opening Remarks – 5 minutes
- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes @12 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Session Chair: Mr. Abhijit Sen Gupta, Director India (Asia Pacific Smart Card Association)

Moderator: Mr Narendra Verma, Advisor GIZ

Speakers: 6

Session Format:

Opening Remarks by Session Chair (14:30 - 14:35 Hrs)	Mr. Abhijit Sen Gupta, Director India (Asia Pacific Smart Card Association)
Context Setting by Moderator (14:30- 14:40 Hrs)	Mr. Narendra Verma, Advisor GIZ
Presentations and Q&A (14:40 PM - 15:55 PM)	<ul style="list-style-type: none">• Mr. Sujith Nayar, CEO & Co-Founder, Beckn Foundation, Bengaluru, Karnataka• Mr. Shailendra Kaushik, Co-founder, Cities Forum, Dubai• Mr. GP Hari, Special Officer, Kochi Metropolitan Transport Authority , Kerala• Ms. Hadar Weinberger, Head of Product at Ev-Edge, Tel Aviv, Israel• Mr. Kishore Nathani, Principal Advisor, UMTC• Mr. Reji Nair, Senior Director, STQC, Ministry of Electronics & Information Technology
Closing/ Concluding Remarks (15:55 PM -16:00 PM)	Mr. Abhijit Sen Gupta, Director India (Asia Pacific Smart Card Association)

Speakers Brief Profile

The brief profiles of the speakers are given below

Mr. Abhijit Sen Gupta, Director India (Asia Pacific Smart Card Association)



Mr. Abhijit Sengupta is currently with ABIS Consultants. Abhijit Sengupta has a Master's Degree in Business, Lucknow University. He has a membership of Asia Pacific Smart Card Association. He has worked with Edenred (India) Private Limited, Score Information Technologies Limited, Shonkh Technologies International Ltd., Arvind Brands Limited, Jenson & Nicholson (India) Ltd. and various renowned Company in distinguished positions. He has worked with PricewaterhouseCoopers Digital Technology Services (Pvt) Ltd. on Unique Digital Identity Framework for Sri Lanka (SL-UDI) Project of Information and Communication Technology Agency of Sri Lanka (ICTA). He has giving consulting services for Design and Supervision of the Installation of the IT Infrastructure and Systems (TTMS)

for the Federal Transport Authority, Government of Ethiopia. He has also prepared Detailed Project Report (DPR) for Introduction of Broad-Gauge Metro Trains in place of existing sectional passenger trains in and around Nagpur. He was also associated with Project Management Consultancy for SUTP and ESCBS, Ministry of Housing & Urban Affairs, Government of India and Noida Metro Rail Corporation Ltd. (NMRC). He is well experienced in information technology in last 25 years and designing/ implementing MIS/Database/Wide Area Network related to ITS/PIS etc related to Urban Transport in last 15 years.

Mr. Narendra Verma, Advisor GIZ



Mr Verma is a transport planner with more than 5 years of experience in working on projects related to sustainable transport. He is currently working with GIZ on its bilateral technical cooperation project “Sustainable Urban Mobility – Air Quality, Climate Action and Accessibility” in India. The project works with central Ministry of Housing and Urban Affairs, Government of India and selected Indian Smart Cities on range of urban transport areas such as non-motorized transport, public transport improvement, road safety, multi-modal transport, electric mobility, data analytics, mobility as a service etc. It enables national, state and municipal institutions in promoting climate and environmentally friendly, low emission and socially balanced urban mobility systems. Prior Joining GIZ, he was working with TERI where he consistently engaged in research projects which focussed on issues related to urban and regional transport planning such as developing city sustainability guidelines and indicators, improving road safety on urban and rural roads, increasing share of railways in freight movement and so on.

Mr. GP Hari, Special Officer, Kochi Metropolitan Transport Authority, Kerala



Mr. GP Hari is a regular attendee of the UMI conference since 2012 (5th UMI). He was instrumental in enacting the Kerala Metropolitan Transport Authority Act-2019, aggregating Kochi’s Autorickshaw drivers in to a cooperative society, private bus operators in to a public Ltd company and the Taxi drivers under Kochi Open Mobility Network (KOMN). He was instrumental in introduction of MaaS in Kochi, as part of his previous assignment as Additional General Manager (Urban Transport) in Kochi Metro Rail Ltd., representing erstwhile UMTA-Kochi. The MaaS initiative includes, extension of Kochi-1 smart card (KMRL-Axis Bank) ticketing to private buses in 2018, introduction of ‘OneDi’ App for bus owners, ‘Yatri’ a ride hailing App for Taxis under KOMN and ‘AuSa’, a ride hailing App for Autorickshaws. The MaaS initiatives for bus system was awarded in the UMI-2018. He was also involved in preparation of CMP, DPR-Water Metro and Bus route rationalisation study for Kochi.

Ms. Hadar Weinberger, Head of Product at Ev-Edge, Tel Aviv, Israel



Ms. Hadar is a change maker in the smart mobility area. She is an expert on leveraging data to develop innovative mobility solutions and facilitating data-driven decision making. She has founded the Innovation Product Team at Ayalon Highways, a government company of the Israeli Ministry of Transportation, where she led 11 innovative projects such as Israel's Mobility as a Service national project, AI-based public transportation grid planning, positive incentive-based program aiming to reduce traffic and more. Today, Hadar serves as both mobility expert for start-ups and municipalities (such as Tel Aviv MaaS project) and as the Head of Product at EV-Edge, a start-up for electric vehicle charging solutions. She also dedicates her time to help promote women in the mobility field where she co-founded in 2019 the Women in Mobility Mentoring Program.

Mr. Kishore Nathani, Principal Advisor, UMTC



Mr. Kishor Nathani, MSC, MBA, is a seasoned supply chain, logistics, public and freight transport professional with C-level positions in the government and private sector. Kishor is well conversant with policies and administration at federal, state, municipal and corporate levels. He has undertaken 'Concept to Commission' assignment encompassing planning, project development, management and operations. In addition, he has been associated with training and capacity building measures.

In his present capacity as Principal Advisor, Urban Mass Transit Company, he provides guidance and expert advice on various business and project matters pertaining to mobility and logistics. Other interest areas also include electric vehicles and drones where he acts as 'Sherpa'. In spare time, Kishor prefers to be with family, nature, music and books.

Ms. Reji Nair, Senior Director, STQC, Ministry of Electronics & Information Technology



Ms Reji Nair, Scientist G is presently Director of ERTL(S), STQC Directorate. Standardisation Testing and Quality Certification (STQC) Directorate is an attached office of the Ministry of Electronics and Information Technology, Government of India, providing quality assurance services in the area of Electronics and IT through countrywide network of laboratories and centres, which are having National / International accreditation. The services include Testing, Calibration, IT & e-Governance, Training and Certification to public and private organizations. She has more than 33 years of experience in the fields of QA & Testing, and is working in the field of cyber security for the last 15

years

Mr. Sujith Nayar, CEO & Co-Founder, Beckn Foundation, Bengaluru, Karnataka



Sujith is the CEO and Co-Founder of Beckn Foundation, which reimagines digital commerce from the first principles - focusing on inclusiveness and scale. His pursuits cover mobility, payments and internet businesses along with a keen interest in building things that are simple at their core but mammoth in scale.

Mr. Shailendra Kaushik, Co-founder, Cities Forum, Dubai



Shailendra is an urban mobility expert with more than two decades of experience in sustainable cities and smart mobility projects. Currently based in Dubai and working on smart cities, data driven mobility solutions, electric mobility transition and organisation restructuring projects. Over the last two decades, Shailendra has worked across many countries in Asia, Africa, Middle East, Latin America and Australia-New Zealand Region on strategic planning, futuristic cities, mobility management, and technology application in managing our cities and transit systems. He has worked on leveraging limited public sector resources with private sector financing, structuring smart cities PPP concession, contracts negotiations, complex project financing transaction, procurement management and capacity building. Shailendra is also working as a mentor to several urban tech start-ups and helping them developing business models and investment pitch. Shailendra recently led an international team who developed a framework for implementing Mobility as a Service projects in Indian Cities. Also, he is currently leading a global team of experts for modernizing a large state urban transport undertaking including adopting data driven decision making, fleet modernization and electric mobility transition. As a thought leader, mentor and speaker, he regularly speaks at various events, conferences, and corporate forums. Shailendra is also part of various industry expert panels and mentor for various development sector start-ups. He is also involved with UN Habitat Report on Global Urban Mobility as an International Industry Expert. He was an expert member of an ITE- USA International Committee on Transport Infrastructure and GHG Emissions.

Session 8 - Realizing the Potential of Transit-Oriented Development in India

Nature of the session – Realizing the Potential of Transit-Oriented Development in India

Date & Time - Day 2 – 5.11.22 (Saturday) at 14:30 – 16:00

Venue – (Grand BallRoom 1) (Hyatt Kochi)

Objective of the Session:

India is urbanizing at a rapid pace. Indian cities are growing at a rate faster than other cities in the world. Considering the rapid urbanization and the imminent need for enhancing mobility in cities, it is imperative to strengthen mass transit systems, and explore alternative and innovative sources of funds to supplement budgetary resources.

The Government of India through the Metro Rail Policy 2017 has linked the metro rail system to the adoption of the national Transit-Oriented Development (TOD) Policy and land value capture (LVC) financing framework. The policy defines TOD as a measure to integrate land use and transport planning through the development of well-planned and sustainable urban growth centers linked with high-quality transit systems.

Asian Development Bank (ADB) has been providing financial assistance in the development of various mass transit systems in major Indian cities. In line with the Metro Rail Policy 2017, ADB seeks to strengthen the planning and implementation of TOD and LVC associated with these mass transit systems as value addition to enhance ridership and non-farebox revenue.

The session explores the opportunities for Realizing the Potential of Transit-Oriented Development in India.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes @12 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Moderator – Mr. Sharad Saxena, Principal Transport Specialist, ADB

Rapporteurs -Mr. Saugata Dasgupta, ADB Official
Mr. Ashok Srivastava, ADB Official
Mr. Ashish Ranjan, ADB Official

Facilitators - Ms. Marie Kristine Estrella, ADB

Ms. Cheska Angelie Llamas, ADB

Presenters: 6

Session Format:

Keynote & Context Setting by Moderator (14:30 - 14:35 Hrs)	Mr. Sharad Saxena, Principal Transport Specialist, ADB
Presentations and Q&A (14:35 PM - 15:55 PM)	<ul style="list-style-type: none">• Ms. V. Manjula - Directorate of Urban Land Transport-ToD initiatives for Bangalore• Mr. Abhay Kantak, CRISIL - TOD and Urban Rail in India – ADB study• Mr. Mukut Sharma from NCRTC - ToD initiatives in RRTS• Mr. Anil Kumar Kokate, Director, Mahametro• Mr. Amit Sharma, Staff Consultant ADB - Influence of land use on diurnal pattern of transit ridership: A TOD perspective on Delhi Metro• Mr. Norio Saito, Director, ADB
Closing/ Concluding Remarks (15:55 PM -16:00 PM)	Mr. Sharad Saxena, Principal Transport Specialist, ADB

Speakers Brief Profile

The brief profiles of the speakers are given below:

Mr. Sharad Saxena, Principal Transport Specialist, ADB



Mr. Sharad has over 25 years of professional experience in railways and international development. He started his career with the government in the prestigious Indian Railway Service. He joined ADB in 2008 and has worked in Sustainable Development, East Asia and South Asia departments, overseeing projects in Vietnam, Laos, People's Republic of China, Mongolia and India. He leads design and implementation teams related to transport infrastructure and policy development. He has worked extensively on projects related to railway infrastructure, rolling stock, logistics and urban transport. Sharad also assisted in the formulation and implementation of ADB's Sustainable Transport Initiative. His present work is focused on urban rail projects in India. He holds a Master of Science and a PhD in transport studies and geography from the University of Oxford, UK.

Ms. V. Manjula - Directorate of Urban Land Transport



Ms. Manjula Vinjamuri is a post-graduate in Organic Chemistry from Osmania University, Hyderabad, India. She was selected for the Indian Administrative Service in 1987. She worked in diverse sectors like Rural and Urban development, Power, Information Technology and Biotechnology, Urban Transport, Education including Medical Education and Administrative reforms & training department of the Government of Karnataka. Currently, she is working in the Directorate of Urban Land Transport in Karnataka as Commissioner & E/o Additional Chief

Secretary to Government, and is also Director General, Administrative Training Institute, Mysuru. During her tenure in various posts, she played a significant role in formulating policies like State startup policy, Animation and Visual graphics policy; implementing public awareness campaigns like total literacy campaign, “Cycle day” to popularise cycling as a preferred mode for short urban commutes; implementing Information technology based initiatives like online Birth and death registration in rural areas, hospital information systems in medical colleges; e-office in the Karnataka secretariat and subordinate offices; introducing consent awards for acquisition of land in rural and urban areas; preparation of district level human development reports etc.

Mr. Abhay Kantak, CRISIL



Mr. Abhay leads the urban and public finance consulting practice at CRISIL Limited. His expertise is in financing urban infrastructure projects including land value capture mechanisms and advising cities on policy and institutional reforms in improving service delivery. He has also advised cities in improving urban planning frameworks and resource mobilisation through tax and non-tax sources. He has worked in South Asia, South East Asia and Africa.

Abhay has been working with CRISIL since July 2005 and has a Post Graduate Degree in Finance. He also has a Master’s Degree in Public Policy from The University of Texas at Austin, USA.

Mr. Mukut Sharma, Chief TOD/ARS, NCRTC



Mr. Mukut Sharma is currently the Chief ToD Expert with National Capital Region Transport Corporation. During the last 4 years he has been associated with the financial sustainability initiatives of NCRTC relating to Transit Oriented Development, Value Capture Financing and other Non-Fare Box Avenues. His work has involved extensive interactions with the stakeholders on the regulatory and institutional frameworks. Overall, he has more than 35 years' experience in Urban, Transportation and Infrastructure Sectors. His multidisciplinary experience with reputed

International and Indian Construction Services Organisations, encompassing roles at all stages of the project life cycle, includes Master Planning and Sustainable Infrastructure Solutions for large Integrated Townships and Project Management of major Infrastructure projects across sectors - power, cross country pipelines, metros, expressways, multi-modal logistics parks etc. Mukut has a Civil Engineering background and has professional trainings in Management.

Mr. Anil Kumar Kokate, Director, Mahametro



Mr. Anil Kumar Kokate is from Indian Defence Accounts Service (IDAS) currently working as Director (Strategic Planning) of Maharashtra Metro Rail Corporation Limited. He is looking after Non-Fare Box Revenue Generation including Property Development at both Nagpur & Pune and the Public Relations Deptt and heading the General Administration Dept. He is an Engineering Graduate with an inclination towards increasing overall sustainability of an organization.

He has a vast experience of working with the Defence Accounts Departments and Ordnance Factories across the country. He is also involved in the policy making procedures at Mantralaya level (Government of Maharashtra) related to Transit Oriented Development (TOD) and Special Planning Authority status for both Nagpur & Pune Metro Rail Projects. He has also worked with foreign funding agencies like KfW (Germany), AFD (France), EIB (Luxembourg) and with ADB to secure funding for Nagpur Metro Phase 2.

Dr. Amit Sharma, Staff Consultant, ADB



Dr. Amit Sharma is a Staff Consultant with the Transport and Communications Division (SATC), South Asia Department, Asian Development Bank. He has worked with multidisciplinary teams on the diverse domains of sustainable urban development including integrated land use and transport planning, Transit Oriented Developments (TOD), active transport, public transport systems, and road safety. During his association with the Transportation Research and Injury Prevention Centre at IIT Delhi, he has engaged directly with development authorities, local governments and technical experts on various thematic topics related to accessible and affordable urban transport.

Dr Sharma holds a PhD in Transportation Planning from the Indian Institute of Technology Delhi and Master's in Urban Planning from National Institute of Technology, Jaipur.

Mr. Norio Saito, Director, ADB



Mr. Norio Saito has been Director, Urban Development and Water Division (SAUW), South Asia Department (SARD) of the Asian Development Bank (ADB) since July 2019. He oversees, provides guidance and advisory support to, and ensure quality of, the design, preparation, and implementation of loans and TAs in the urban development and water sector (e.g., water supply, sewerage, sanitation, solid waste management, urban roads, urban flood management, affordable housing, and urban governance and reforms) for South Asia's developing member countries (Bangladesh, Bhutan, India, Maldives, Nepal, and Sri Lanka). Mr. Saito has more than 26 years of professional experience, including 12 years with ADB. He joined ADB in May 2008 as an Urban Development Specialist in the former South Asia Urban Development Division (SAUD) and was subsequently progressed to Principal Urban Development Specialist, SAUW. He processed and administered a number of urban development and water sector projects in Bangladesh, India, Nepal, and Sri Lanka. In April 2016, he became Deputy Country Director, Viet Nam Resident Mission (VRM). As Deputy Country Director, VRM, he oversaw VRM operations and provided seamless high-quality support across all areas under the Country Director's responsibility. He has made substantive contributions in the areas of portfolio performance, ADB's Public-Private Partnership and climate change agenda in Viet Nam. Mr. Saito is a national of Japan. He holds a Ph. D. in Environmental and Functional Sciences (urban climate change adaptation) from Ibaraki University, Japan, a

Master's degree in Environmental Economics from Duke University, USA, and a Bachelor's degree in Geography from University of Tokyo, Japan. Prior to joining ADB, Mr. Saito held progressively senior positions at the Japan Bank for International Cooperation (JBIC) and the Overseas Economic Cooperation Fund (OECF) of Japan from April 1992 to April 2008, with the last one being Director of the Environment Analysis Department.

Session 9 – Future Fuels

Nature of the session – Future Fuels

Date & Time - Day 3 – 6.11.22 (Sunday) at 11:30 – 13:00

Venue – Grand Salon 1 - (Hyatt Kochi)

Background of the Session:

Cities are the engines of economic growth and transport is the engine's wheels. Energy is required to keep the wheels moving. Petrol and diesel are the most commonly used fuels for transport in urban areas. Overdependence on these sources is adversely impacting global climate, local air quality and health, the country's balance of payments and transportation costs. Data shows that 82.8% of imports are dependent on crude oil. The transport sector consumes 70% of diesel and 99.6% of petrol. The transport road transport sector is strongly linked to India's energy security.

With these concerns in mind, the Government of India has committed to reducing the GHG emissions intensity of GDP by 33-35% by 2030 (Nationally Determined Contributions (NDC) following the Paris Agreement) and net zero by 2070 (COP26). Reducing GHG emission intensity and achieving net zero greenhouse gas emissions by 2070 will require the rapid development and deployment of clean energy technologies. The effort here is to switch to alternative fuels such as electric, biofuels, hydrogen etc., which are climate-friendly.

The objective of this session is to take stock of the situation concerning alternative fuels in the urban context (technology, economics, policies, application, adoption, stakeholder responses)

Session Structure:

Session Time – 1 hour and 30 minutes

- Moderator – 5 minutes
- Presentations – 75 minutes @10 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks by Moderator – 5 minutes

The Technical session would comprise of the following:

Session Chair- Mr. Ravi Prakash, Director, Urban Transport, Ministry of Housing & Urban Affairs, Government of India

Moderator: Mr. Abhijit Sarkar, Ex-Secretary (State Transport Authority), Delhi

Speakers: 6

Session Format:

Keynote & Context Setting by Session Chair (11:30 - 11:35 Hrs)	Mr. Ravi Prakash, Director, Urban Transport, Ministry of Housing & Urban Affairs, Government of India
Moderator Presentations and Q&A (11:35 PM - 12:55 PM)	<ul style="list-style-type: none">• Mr. Abhijit Sarkar, Ex-Secretary (State Transport Authority), Delhi• Mr Amit Bhatt, Managing Director, ICCT• Dr. Himani Jain, Senior Programme Lead, and Krishna Khanna, CEEW• Dr. Sewa Ram, Head of Department School of Planning and Architecture (SPA), New Delhi• Ms. Anumita Roy Chowdhary, Executive Director Research and Advocacy, Centre for Science and Environment (CSE)• Prof. Aravind Purushothaman Vellayani, Prof and Chair of Energy Conversion, University of Groningen• Mr. Artemii Iarchevskii, Private consultant, Ex-head of Metro, Tramway, Buses and Hubs Development Division at Moscow Government Department of Transport
Closing/ Concluding Remarks (12:55 PM -13:00 PM)	Mr. Ravi Prakash, Director, Urban Transport, Ministry of Housing & Urban Affairs, Government of India Mr. Abhijit Sarkar, Ex-Secretary (State Transport Authority), Delhi

Speakers Brief Profile

The brief profiles of the speakers are given below:

Mr. Ravi Prakash, Director, Urban Transport, Ministry of Housing & Urban Affairs, Government of India



Mr. Ravi Prakash is an IRS officer belonging to the 2004 batch. He has done Bachelor of Engineering (Civil) from NIT, Trichy, and Tamilnadu.

He has worked as Assistant Commissioner of Income Tax in Gujarat, Deputy Director of Income Tax (International Taxation), Mumbai and Additional. Director of income Tax (Inv), Pune. Shri Ravi Prakash, joined Ministry of Housing & Urban Affairs, as Director (Urban transport) in 21st December, 2020.

Mr. Abhijit Sarkar, Ex-Secretary (State Transport Authority), Delhi



Mr. Abhijit Sarkar, In a 41-year career, was a civil servant for 26, followed by senior management roles in the private sector. His 25-year Transportation engagement includes regulatory, policy and operational roles. He has been Secretary (State Transport Authority) and, Secretary to three Transport Ministers of Government of Delhi. As Chief (Road Transport) of DIMTS Ltd, he rolled out India's longest running PPP city bus service in Delhi. He has led public transportation projects overseas and been Independent Consultant/Training Expert of Government of

India's PMC (Mott MacDonald Pvt Ltd) for Efficient & Sustainable City Bus Services project.

Mr. Amit Bhatt, Managing Director, ICCT



Mr. Amit Bhatt is the ICCT's Managing Director for India. He is based in New Delhi and has over 20 years of experience in transportation, urban development, and management. Before joining ICCT, Amit was Executive Director for Integrated Transport at WRI India for 12 years. He has also served as an adjunct faculty member at the School of Planning and Architecture in New Delhi.

Mr. Amit has a bachelor's degree in architecture and a master's degree in transport planning from SPA, New Delhi. Amit also has a master's degree in economics and a diploma in transport economics and management.

Dr. Himani Jain, Senior Programme Lead, and Krishna Khanna, CEEW



Dr. Himani Jain is a Senior Programme Lead at The Council, Himani leads team towards emerging technologies, Bus planning-management and developing smart mobility zones.

Dr. Himani has 20 years of experience in land use and transport planning, road safety, participatory approaches, campaigns and business solutions development. Prior to joining The Council, Himani worked with strategic philanthropies, academia, consulting firms, and development authorities. She has actively developed policy notes and implementation strategies for urban local bodies, state governments and UN agencies. She is a professionally trained architect and urban regional planner and holds a doctorate degree in transport planning from IIT Delhi.

Prof. Dr. Sewa Ram, Head of Department School of Planning and Architecture (SPA), New Delhi



Prof. Dr. Sewa Ram is an alumnus of IIT Delhi, SPA Delhi. He completed B. Tech from IIT Delhi, M. Planning (Transport) and Ph.D. from SPA, New Delhi. His area of interest includes transport engineering, transport design, transport infrastructure, transport environment, planning and design of sustainable transport system, road Safety and universal accessibility. He has been actively involved in formulation of several IRC codes. Dr. Ram was a key member of Indo- Highway Capacity Manual. To his credit, he has several international and national research publications and presentation. He was one of the member of

Technical Core Group of TCPO on formulation of Urban and Regional Development Plan Formulation Guidelines (URDPFI) Guidelines. Dr. Ram is coordinator of module of Traffic Engineering for course of Accredited Road Safety Auditor course conducted by IAHE, ARRB and MoRTH, GOI.

Ms. Anumita Roy Chowdhary, Executive Director Research and Advocacy, Centre for Science and Environment (CSE)



Ms. Anumita Roychowdhury is the Executive Director, Research and Advocacy, Centre for Science and Environment. Her special area of interest is sustainable urbanisation that encompasses clean air, sustainable mobility and habitat. She has worked extensively to shape the Right to Clean Air campaign to advocate multi-sector clean air action planning with special focus on clean and low carbon transportation. She has played an active role in several national policy forums and global environmental platforms and published a range of policy papers and books. She has been awarded the prestigious Haagen-Smit Clean Air Award by the California Air Resources Board, California, USA.

Prof. Aravind Purushothaman Vellayani, Prof and Chair of Energy Conversion, University of Groningen



Prof. Dr. P.V. Aravind: At Groningen University, he is appointed as the Professor of the Chair of Energy Conversion. He did his MSc thesis research at Delft University on “Generation of Electricity and Heat using Biomass Gasification, Solid Oxide Fuel Cells and Micro turbines” and received his MSc from University of Oldenburg, Germany. In 2007 he finished his PhD at TU Delft with a thesis titled “High efficiency energy systems based on biomass gasifiers, SOFCs with Ni/GDC anodes and gas turbines”. He is involved in the supervision of research activities related to the development of fuel cell systems, electrochemistry of fuel oxidation at SOFC anodes, thermodynamic modelling of power plants biomass gasifier / fuel cell systems, high temperature biosyngas cleaning, and negative emission technologies. He teaches courses on fuel cell systems and thermodynamics of energy conversion. He supervises a group of several researchers, PhD candidates and research students. He is a member of the International Energy Agency SOC annex. At Delft University of Technology, he acts as the Lead for the Climate Institute initiated "Negative Emissions" program.

Mr. Artemii Iarchevskii, Private consultant, Ex-head of Metro, Government Department of Transport, Moscow, Russia.

Artemiy Yarchevskiy has more than 7 years of managerial experience at Moscow Department of transport. During his career he led the team that created requirements for new metro and tram cars and recent type of electrobuses. He also managed the infrastructure development of metro, tram and bus system in Moscow. Under his guidance, the process of new hubs transport design was built as well as planning for the new Moscow metro lines, three of which are currently under construction.

Mr. Iarchevskiy was the head of research group developed in 2019 the transportation strategy for Samara, one of the largest cities in Russia.

Session 10 – Multimodal Integration

Nature of the session – Multimodal Integration

Date & Time - Day 3 –6.11.22 (Sunday) at 11:30 – 13:00

Venue – (Grand Salon 2) (Hyatt Kochi)

Background of the Session:

Mass transport systems like metro rail, light rail and bus rapid transit, are infinitely more user-friendly when they connect to one another. Full-scale multimodal integration is characterized by two key features: integration of mass transport modes with each other, and integration of mass transport modes with other “feeder” modes such as taxis, shared-mobility services like car-sharing and bike-sharing, walking, and cycling – all of which help provide first- and last-mile connectivity.

This session seeks to achieve integrated multimodal mobility in cities to promote people-oriented, sustainable transport systems that help urban residents move safely and efficiently through their cities.

Session Structure:

Session Time – 1 hour and 30 minutes

- Opening Remarks- 5 minutes
- Context Setting – 5 minutes
- Presentations – 75 minutes @10 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Session Chair: Dr. Sanjeev Kumar Lohia, Sr Advisor (Rail & Urban Mobility) The World Bank & Former MD & CEO, IRSDC

Moderator and Context Setting: Mr. Anjum Parvez, MD, BMRCL

Speakers: 7

Session Format:

Opening Remarks by Session Chair (11:30 - 11:35 Hrs)	Dr. Sanjeev Kumar Lohia, Sr Advisor (Rail & Urban Mobility) The World Bank & Former MD & CEO, IRSDC
Context Setting and Moderator (11:35 PM - 11:40 PM)	Mr. Anjum Parvez, MD, BMRCL
Presentations and Q&A (11:40 PM - 12:55 PM)	<ul style="list-style-type: none">• Dr. Shalini Sinha, Centre Head & Principal Researcher, CoE-UT• Mr. Rajneesh Porwal, Vice President, UMTc• Mr. Madhav Pai, Program Executive Director-Sustainable Cities Transport, WRI• Mr. Ravi Jain, Pay craft, ADB Resource Person• Ms. Bianca Bianchi Alves, The World Bank• Mr. V Ajith Kumar, Managing Director, Kerala Rail Development Corporation Lmt. (K-rail)• Ms. Aditi Singh, Principal Consultant, Mott Macdonald and Mr. Amit Kumar, Project Director, Mott Macdonald
Closing/ Concluding Remarks (12:55 PM -13:00 PM)	Dr. Sanjeev Kumar Lohia, Sr Advisor (Rail & Urban Mobility) The World Bank & Former MD & CEO, IRSDC And Mr. Anjum Parvez, MD, BMRCL-TBC

Speakers Brief Profile

The brief profiles of the speakers are given below:

Dr. Sanjeev Kumar Lohia, Sr Advisor (Rail & Urban Mobility) the World Bank & Former MD & CEO, IRSDC

Dr. Sanjeev Kumar Lohia belongs to IRSE-1986 batch with more than 34 years of experience in the transport, urban development and real estate sectors especially in Urban, Rail and bus based transportation systems from policy to projects planning, development and implementation, institution building



He is presently working as Sr Advisor Rail and Urban Mobility with the World Bank. From Nov'15 to Nov'21 headed the Indian Railway Stations Development Corporation (IRSDC) leading the world's largest Transit Oriented Development (TOD) and PPP programme and has to his credit concept to commissioning of first station development in India on PPP and first station development including construction to commissioning of 318 rooms five star hotel on top of tracks on EPC. While at MoHUA as Director and OSD & Ex Officio JS (Urban Transport) from 2005 to 2013, transformed the urban transport scene across India through National Urban Transport Policy, Metro Policy, metro projects, city Bus modernization programs, spearheading urban transport reforms, creating technical capacity within ministry and outside through institutions like IUT, UTTIPEC, UMTAs, centres of excellence, development of various toolkits, guidelines and standardisation. He served as Director in various metro rail corporations in India.

Mr. Anjum Parvez, MD, BMRCL



Mr. Anjum Parvez is the Managing Director and Chief Executive Officer of BMRCL. He is an officer belonging to 1994 batch of Indian Administrative Service. He is an engineering graduate from IIT Delhi (Electrical).

He has done his post-graduation in public policy and management from IIM Bangalore. Prior to this, he was Principal Secretary to Govt., Transport Department.

He has mostly worked in Urban Development, Urban Planning and Transport Sector.

Dr. Shalini Sinha, Center Head, Center of Excellence in Urban Transport, CEPT Research and Development Foundation and Senior Associate Professor, Faculty of Planning, CEPT University



performance monitoring of public transport systems.

Dr. Shalini is Center Head, Center of Excellence in Urban Transport, CEPT Research and Development Foundation and Senior Associate Professor, Faculty of Planning, CEPT University. A transport planner with more than 21 years of experience in the transport and urban sector in India and the United Kingdom, she has worked extensively on strategic transport planning and policy and public transport projects including bus and BRT system planning and design in India. Her areas of interest include transport system analysis, demand assessment and planning, operations design and

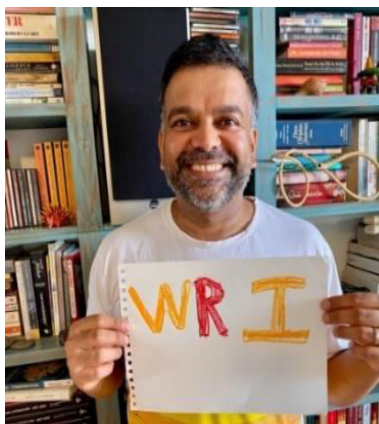
Mr. Rajneesh Porwal, Vice President, UMTC



years during the first phase of Delhi Metro planning and design works.,i.e. 1996 to 2007.

Mr. Rajneesh Porwal has done Masters in Transport Planning from SPA Delhi, with a background of Civil Engineering, over 27 years of transport and other Infrastructure related experience. Close association with the key transport sectors- Public Transportation, Highways and Urban roads, Traffic Engineering and Transport Economics. Varied experience beginning from micro level detail designing/planning to macro level Project Structuring and Transaction advisory mandates, PPP structuring and documentation. Have worked earlier at RITES Ltd for 11

Mr. Madhav Pai, Program Executive Director-Sustainable Cities Transport, WRI



innovation challenges/competitions to address service delivery challenges. Notable successes include project design and implementation of Indore BRT, Mumbai Street Lab, the Raahgiri

Mr. Madhav Pai is the Program Executive Director of WRI India Ross Center. He spearheads a large urbanization policy research and prototyping support program that informs key areas of India's urban growth story. For the last two decades, Madhav has led, designed, and implemented urban programs and projects, across continents, in over a dozen countries.

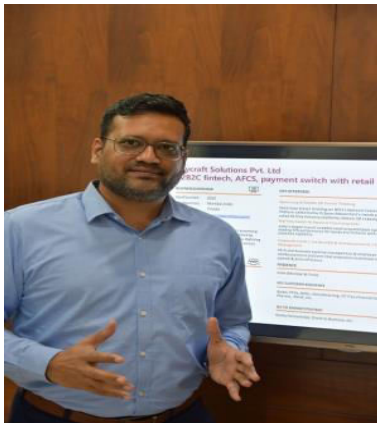
He has led several projects around emerging urbanism ideas such as the use of tactical urbanism and public campaigns around pedestrian/social infrastructure, geospatial and other big data analytics to create data driven conversations and

campaign for democratizing public streets, and solution design for last-mile connectivity, clean tech, etc.

Under his leadership, the team has also informed several policy discussions, at the national-, state-, and city-level, on road safety, urban transport, transit-oriented development, electric mobility, urban and regional planning and clean air.

Madhav is a published author and has written several research papers for renowned journals, articles, and books on urban transport, urban planning, resilience, and clean air. He is a civil engineer from Mumbai and holds a master's in Transport Planning from the University of California, Berkeley.

Mr. Ravi Jain, Pay craft, ADB Resource Person



Mr. Ravi Jain can be counted among the few subject matter experts on open-loop payments in India and has more than 15 years of experience in the payment industry – starting with HSBC Global Technology in 2006, where he joined after graduating in Electronics Engineering followed by a brief stint in Ernst and Young before venturing out to be an entrepreneur.

Along with his co-founder Mr. P.T. Suresh, he founded PayCraft in 2013 – a fintech company specialized in offline payments and instrumental in creating disruptions in the offline EMV financial transaction space.

Some of the noteworthy work that was directly involved with includes consulting work for drafting the RuPay qSPARC specifications, the National payment scheme Mercury in UAE, advisory role to Banks and Public Transport organizations for open-loop ticketing system. With their efforts, PayCraft has now become one of the preferred partners for their customers in ticketing and payments space.

Prior to PayCraft, Ravi has worked with HSBC and Ernst & Young. At HSBC, he worked as a key resource for implementing EMV smart card solutions for 5 countries in the Middle East and was credited with strategizing card IT acquisition for banks in UAE and Oman.

Ms. Bianca Bianchi Alves, The World Bank



Ms. Bianca Bianchi Alves is a Senior Urban Transport Specialist from the World Bank and PhD in Transport Engineering from the Polytechnic School of Sao Paulo, Brazil. Her academic work focuses on travel behavior, reliability and demand modeling for transport. She has more than 20 years of experience working with planning and implementation of passenger rail, bus rapid transit, and roads, in Latin America, the US, and South Asia. Since joining the Bank, she has focused her work on urban transport projects, sustainable transport policies, clean technologies, urban logistics, transport demand management and gender aspects.

**Mr. V Ajith Kumar, Managing Director, Kerala Rail Development Corporation Lmt.
(K-rail)**



Mr. V.Ajith Kumar completed his B.Tech in E&C from TKM College of Engineering, Kollam in 1985. After a brief stint as a Lecturer in College of Engineering, Thiruvananthapuram, he joined the 1986 Batch of Indian Railway Services of Signal Engineers (IRSSE).

He has a rich experience of over 29 years during which he has served as General Manager in RailTel Corporation of India Limited, worked as Additional Divisional Railway Manager, Madurai and Chief Signal & Telecommunication Engineer, Construction, Chennai apart from holding various capacities in South Central Railway, RDSO and so on. He has been instrumental in various doubling and gauge conversion projects in Southern Railway.

At present, he is working as Managing Director, Kerala Rail Development Corporation which is a Joint Venture Company of Government of Kerala and Ministry of Railways.

Ms. Aditi Singh, Principal Consultant, Mott Macdonald



Ms. Aditi Singh holds Post Graduate Degree in Transport Planning from School of Planning and Architecture.

Ms..Aditi is an experienced technical expert with over 15 years of experience in infrastructure sector focussed on sustainability.

She has worked on several large scale multi-disciplinary transport projects working with government and non-governmental organizations.

Ms. Aditi also has rich experience in capacity building and community participation in transport sector.

Mr. Amit Kumar, Project Director, Mott Macdonald



Mr. Amit Kumar is Project Director with Mott MacDonald Pvt Ltd. He is post graduate in Civil Engineering.

He has worked across a wide spectrum of major projects, sectors, markets and clients in engineering consultancy. He has more than 22 years of experience working experience in India, Middle east, Bangladesh, UK.

He has extensive project management skills from concept to handover stages and is responsible for leading multi-national, multi-disciplinary team and commercial performance and risk

management of multiyear and multi funding projects.

Conclave - Aatmanirbhar India- Vocal for Local (V4L) in Sustainable Urban Mobility

Nature of the session – Conclave

Date & Time - Day 1 – 4.11.22 (Friday) at 16:30 – 18:00

Venue – Liwa Hall 1&2 (Hyatt Kochi)

Background of the Session:

As cities grow and transport systems find it increasingly difficult to meet the growing travel demand, innovative systems are emerging around the world. In many cases, advances in Information Technology have allowed a more optimal use of transport systems to facilitate a better use of available capacity. In other cases, innovations have enabled public and shared transport systems to become more convenient.

Further, the country, under the visionary leadership of Hon’ble PM Shri Narendra Modi, is focusing on several initiatives towards energy-efficient and low-carbon transport like providing mass transit systems in more than 50 cities, hybrid & electric mobility, improved emission standards, etc. In order to promote indigenization and reduction in cost, the specifications of various metro rail components like rolling stock, signaling & telecom systems, electrical & electromechanical systems and civil engineering structures have been standardized. New public transport mobility paradigms such as MetroNeo, MetroLite, RRTS, and augmented city bus services are being implemented under “Make in India”.

Session Objective

Accordingly, this session will seek to answer the following questions:

- Indigenous engineering and system technologies for sustainable transport systems.
- Energy efficiencies towards alternative fuel and electrification.
- Policies and practices for reframing urban mobility so that “no one is left behind”.
- NCMC card making way for much smarter Indian mobility system.
- Leveraging non-fare revenue sources for improving the financial sustainability.
- Home grown original equipment manufacturers (OEMS) at an affordable cost and adapted to Indian conditions.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 10 minutes
- Discussion – 70 minutes
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Conclave session would comprise of the following:

Chairperson and Moderator: Dr O. P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT

Panellist:

- Mr Vikas Kumar, Managing Director, DMRC
- Ms. Mahua Acharya, Managing Director, Convergence Energy Services Limited, India
- Mr. Mukund Kumar Sinha – Transport Specialist, ADB
- Mr Thampy Koshy, CEO, Open Network for Digital Commerce (ONDC)
- Dr PC Sehgal, Former Managing Director, Mumbai Rail Vikas Corporation (MRVC)
- Mr Mohit Dubey, Co-founder and Chief Executive Officer, Chalo Mobility Pvt Ltd.
- Mr Rajeev Joisar, Head of Commercial, India and South Asia, Alstom

Session Format:

Key Note and Context Setting by Moderator (16:30 - 16:40 Hrs)	Dr. O. P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT
Discussion and Q&A (16:40 PM - 17:55 PM)	<ul style="list-style-type: none">• Mr Vikas Kumar, Managing Director, DMRC• Ms. Mahua Acharya, Managing Director, Convergence Energy Services Limited, India• Mr. Mukund Kumar Sinha – Transport Specialist, ADB• Mr Thampy Koshy, CEO, Open Network for Digital Commerce (ONDC)• Dr PC Sehgal, Former Managing Director, Mumbai Rail Vikas Corporation (MRVC)• Mr Mohit Dubey, Co-founder and Chief Executive Officer, Chalo Mobility Pvt Lmt.• Mr Rajeev Joisar, Head of Commercial, India and South Asia, Alstom
Closing/ Concluding Remarks (17:55 PM -18:00 PM)	Dr. O.P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT

Dr. O. P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT

Dr. O.P. Agarwal was a member of the Indian Administrative Service from 1979 to 2007. He



held several positions with the national and state government of Assam, including Joint Secretary (Urban Transport) in the national Ministry of Urban Development and Secretary for Transport in the State of Assam. He was the principal author of the National Urban Transport Policy for the country, which was adopted in 2006 and has remained the key document guiding urban transport investments since then. He has worked in the

World Bank for 6 years as its global Urban Transport Adviser in Washington DC. He was also the CEO of the World Resources Institute from June 2017 to September 2022.

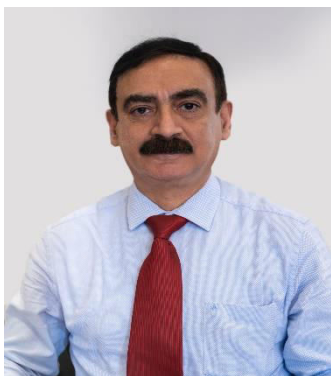
He chaired the US Transport Research Boards Committee on Transport in Developing countries for a period of 6 years. He has written several papers on urban transport policy and

governance issues. His recent book entitled “Emerging Paradigms in Urban Mobility Planning, Financing and Implementation” was published by Elsevier.

He has a PhD in Transport Economics from the Indian Institute of Technology, Delhi, a Master’s degree in Transportation from the Massachusetts Institute of Technology, USA and a Bachelor’s degree in Electrical Engineering from the Indian Institute of Technology Madras.

Mr Vikas Kumar, Managing Director, DMRC

Mr. Vikas Kumar, graduated in Electrical Engineering from University of Roorkee (now IIT)



and did Masters in Opto-Electronics & Optical Communications from IIT-Delhi.

He belongs to 1988 batch of Indian Railway Traffic Service. He has more than 32 years’ experience of all phases of Rail based Urban Transportation Projects including 18 years’ experience with Delhi Metro Rail Corp. Ltd. (i.e. from 2004), the largest MRTS system in India having 286 metro stations (390 KMS network; including Aqua line of NOIDA-Greater NOIDA of NMRC and Rapid Metro section of HMRTC).

He is also the recipient of General Manager’s award (twice in Indian Railways), Operations Shield & Commercial Shield (both in Indian Railways), Managing Director’s award in DMRC (on a number of occasions).

He has been instrumental in organizing / accomplishing various unique tasks including that of Mela Officer during Maha-Kumbh held in Jan-Feb-2001 at Allahabad, organizing relief to the passengers of Karnataka Express which derailed in 1998, handled first ever IITF-2006 arrangements in newly opened Pragati Maidan metro station (now Supreme Court metro station), taking over Airport Express Line and Rapid Metro, Gurugram in a smooth & hassle free manner without disruption in services.

He has been involved in overall planning of various metro rail projects in India / Abroad, preparation of tender document and training of officers & staff. He was also instrumental in 1st Driverless Train Operations which commenced on Magenta Line of DMRC network during Dec-2020. Being Managing Director of DMRC Ltd., Mr. Vikas Kumar is looking after all aspects of the working of the Delhi Metro Rail Corporation including Project &

Planning including construction of Delhi Metro Ph-IV project, Operations & Maintenance including running of metro train services & maintenance of infrastructure, Business Development including Fare & Non-Fare Box Revenue, Consultancy Assignments in India / Abroad.



Ms. Mahua Acharya, Managing Director, Convergence Energy Services Limited, India

Mahua Acharya is the Managing Director and Chief Executive Officer of state-owned energy transition company, Convergence Energy Services Limited of the Government of India. She holds a master's degree from

Yale University.

Mahua has over two decades of experience in carbon markets, renewable energy and organizational management across different countries. She has lived in five countries and worked in over twenty-five. Prior to her role at Convergence, Mahua was the Assistant Director-General of a new multilateral organization the Global Green Growth Institute. She is one of the early pioneers of the carbon market working at the World Bank in Washington DC during the days of the market's inception.

Mahua is co-founder faculty of an executive education program at the Indian Institute of Management, Ahmedabad, serves on the boards of multiple international entities, and has appeared on international and Indian listings of women in leadership.

Through her work at CESL, she leads the development of an electric-vehicles ecosystem in India. She is working to enable deployment of electric three wheelers, cars, and electric buses at scale. She is also involved in the buildout of charging stations across the country.

Mr. Mukund Kumar Sinha – Transport Specialist, ADB



Mukund Kumar Sinha is a Transport Specialist of the Asian Development Bank South Asia Transport and Communications Division since 2019 and leads in the processing and administration of several rail and metro projects across South Asia, particularly in

Bangladesh and India. Mukund ably represents ADB in the technical committee of this Urban Mobility India 2022 conference.

Mukund is an alumnus of the “Special Class Railway Apprentice” cadre of Indian Railways and has served across a range of strategic and operational assignments in India covering rail and urban transport. His last assignment before joining ADB was as Joint Secretary, in the Ministry of Housing and Urban Affairs, where he headed the nodal office for rail and road based urban transport in India. His contributions include drafting of the National Metro Rail Policy, National Transit Oriented Development Policy, and Framework for Appraisal of Urban Rail Projects, Specifications for National Common Mobility Card, and Standards for Urban Rail in India. He was also on the corporate Boards as director of several government and private metro rail companies. Prior to this position, he was Director-Planning in the Ministry of Railways, where he was deeply involved in decisions on identification of infrastructure programs and resource planning.

Apart from his railway engineering background (mechanical) from Indian Railways, he is an alumnus of the London School of Economics and Political Science. Mukund also holds a master’s in management from Management Development Institute, Gurgaon, India as well as a master’s in public policy from Indian Institute of Management, Bangalore, India.

Mr. Thampy Koshy, CEO, Open Network for Digital Commerce (ONDC)

Mr. Koshy is the MD & Chief Executive Officer (CEO) of Open Network for Digital Commerce (ONDC), a first-of-its-kind initiative globally to democratize e-commerce in India.



Koshy is erudite with rich professional experience and expertise. An IIM Bangalore alumnus, he was part of the founding team of National Security Depository Limited (NSDL) and served as an Executive Director. He has also marked a remarkable stint in Ernst & Young leading key digital transformation initiatives.

Mr. Koshy has been a pioneer in Digital ID and social protection initiatives and has played a leadership role in many implementations and consulting projects globally including the UID project of India, the largest ID program in the world, along with many other Digital ID initiatives globally.

Mr. Koshy played a key role in the many digital transformation projects in India, including the transformation of Pension Systems in India, the development of the Tax Information Network and the formulation of IT strategy and IT architecture for the implementation of Goods & Service Tax in India. Mr. Koshy has also assisted the World Bank with pension transformation projects and has been to China as a member of a pension reform mission.

Mr. Koshy has also served as a member of SEBI committees pertaining to the adoption of dematerialized settlement of securities and mutual funds as well as committees constituted by the RBI with reference to the Online Tax Accounting System for Direct and Indirect Tax. He has also been a member of the Sub Group on Technology of the Tax Administration Reform Commission of the Government of India constituted to recommend measures for reforms required in Tax Administration to enhance its effectiveness and efficiency for both Direct as well as Indirect tax.

Mr. Koshy played a significant role in several e-Government initiatives, including the Unique



ID project, the Expenditure Information Network, the Project PLATINUM for the development of a legal and IT framework for the Ministry of Urban Development's guaranteed land title, the Common Data Repository for the Insurance Sector, the E-Stamping initiative, and the automation of VAT functions in a few Indian states.

Dr. PC Sehgal, Former Managing Director, Mumbai Rail Vikas Corporation (MRVC)

Dr. Sehgal joined Indian Railways in 1974 and held important positions of Additional DRM, Divisional Railway Manager, and Chief Electrical Engineer Chittaranjan Locomotive works, and finally retired as Managing Director Mumbai Railway Vikas Corporation, an agency responsible for creating and upgrading suburban railway infrastructure network in the city of Mumbai.

During his tenure at Chittaranjan Locomotive works, he was responsible to manufacture 3-phase 6000hp electric locomotive with regenerative braking in India with technology taken from ABB Switzerland.

While working as MD/MRVC, after changing over traction system from D.C. to 25Kv Ac, coaches in Suburban increased from 9 to 12 and the trains were manufactured in India- MRVC has introduced 12 cars 250 trains with latest 'State-of-art' 3-phase traction

technology. Introduction of new trains have reduced the overloading levels by 20% and energy consumption worth Rs 150 crores per year also reduced.

Mr Mohit Dubey, Co-founder and Chief Executive Officer, Chalo Mobility Pvt Ltd.



Mohit Dubey Co-founder and Chief Executive Officer, Chalo
Mohit Dubey, along with three other co-founders, started Chalo in 2014, with the core purpose of ‘making travel better for everyone’.

Chalo is India’s #1 transport technology company, powering more than 4 million bus rides daily. Chalo’s tech platform improves the passenger experience and helps operators improve services. With more reliable buses and a better experience, bus ridership increases. The Chalo App is India’s #1 live bus tracking app, with more than 7 million downloads.

Chalo has a proven track record of increasing bus ridership within the first year itself. Mumbai bus ridership up by 30% in just 8 months. Jabalpur bus ridership increased by 100%. Bhopal + Indore bus ridership increased 25%-30%.

Mr Rajeev Joisar, Head of Commercial– India & South Asia Alstom

For the last two decades, Rajeev has been a trusted leader and proven business partner in the



rail transportation sector. He has held various management positions including the role of Managing Director at Bombardier Transportation, India where he was responsible for the overall business. Currently at Alstom, he is responsible to develop strategies for sustainable growth, manage customer relations, develop and deliver competitive rail solutions to meet customer satisfaction. He holds a bachelor’s degree and is a certified engineer with

specialization in Electronics and Communications from a recognized university in Vadodara, India.

Plenary Session 1 - Strengthening the Ecosystem to Accelerate Shift to Public Transport

Nature of the session – Plenary

Date & Time - Day 2 – 5.11.22 (Saturday) at 16:30 – 18:00

Venue – Liwa Hall (1 & 2) - (Hyatt Kochi)

Background of the Session:

The National Urban Transport Policy 2006 has recommended investments in public transport and infrastructure for non-motorized transport. In line with these recommendations large investments have been made in public transport systems both by way of building new metro rail systems in several cities and public bus systems. Unfortunately, despite these investments, ridership on public transport systems has not been as high as anticipated.

It is therefore essential that measures towards accelerating public transport are called for. Experience from around the world indicates that only those cities that have not just invested in public transport but have parallelly taken actions to restrain the use of personal motor vehicles have been able to bring about a shift to public transport. Seoul and Singapore are two important examples to learn from. This session will seek to discuss the range of initiatives taken around the world for accelerating a shift towards public transport.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Discussion – 75 minutes
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Session Chair: Dr O.P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT

Panellists

- Mr Brijesh Dixit, MD, Maharashtra Metro Rail Corporation Limited (Maha- Metro)
- Mr Vinay Kumar Singh, Managing Director, NCRTC
- Mr Mihir Sorti, Senior Project Officer (Transport), ADB
- Mr Mohammad Athar Saif, Partner, PWC, India
- Mr. Laghu Parashar, Deputy Project Head, SMART-SUT, GIZ
- Mr. Thierry Desclos, Director of project at CEREMA, France

Session Format:

Keynote & Context Setting by Session Chair (16:30 - 16:35 Hrs)	Dr O.P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT
Discussion and Q&A (16:35 PM - 17:55 PM)	<ul style="list-style-type: none">• Mr Brijesh Dixit, MD, Maharashtra Metro Rail Corporation Limited (Maha- Metro)• Mr Vinay Kumar Singh, Managing Director, NCRTC• Mr Mihir Sorti, Senior Project Officer (Transport), ADB• Mr Mohammad Athar Saif, Partner, PWC, India• Mr. Laghu Parashar, Deputy Project Head, SMART-SUT, GIZ• Mr. Thierry Desclos, Director of project at CEREMA, France
Closing/ Concluding Remarks (17:55 PM -18:00 PM)	Dr O.P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT

Speakers Brief Profile

The brief profiles of the speakers are given below:

Dr. O.P. Agarwal, Former OSD (UT), MoUD, GoI and Ex. DG, IUT

Dr. O.P. Agarwal was a member of the Indian Administrative Service from 1979 to 2007. He



held several positions with the national and state government of Assam, including Joint Secretary (Urban Transport) in the national Ministry of Urban Development and Secretary for Transport in the State of Assam. He was the principal author of the National Urban Transport Policy for the country, which was adopted in 2006 and has remained the key document guiding urban transport investments since then. He has worked in the

World Bank for 6 years as its global Urban Transport Adviser in Washington DC. He was also the CEO of the World Resources Institute from June 2017 to September 2022.

He chaired the US Transport Research Boards Committee on Transport in Developing countries for a period of 6 years. He has written several papers on urban transport policy and governance issues. His recent book entitled “Emerging Paradigms in Urban Mobility Planning, Financing and Implementation” was published by Elsevier.

He has a PhD in Transport Economics from the Indian Institute of Technology, Delhi, a Master’s degree in Transportation from the Massachusetts Institute of Technology, USA and a Bachelor’s degree in Electrical Engineering from the Indian Institute of Technology Madras.

Dr. Brijesh Dixit, MD, Maharashtra Metro Rail Corporation Limited (Maha- Metro)

An acclaimed Railway Administrator and an efficient infrastructure builder. An eminent institution builder and urban transport professional. Presently heading Maharashtra Metro Rail Corporation Ltd. (Maha Metro) as Managing Director.

Associated with Indian Railway for over 30 years including association with Mumbai suburban and urban rail transport for over 15 years, at various levels covering planning, designing, constructing, and maintaining large scale rail infrastructures & operation of services and administration of institutions on both Western and Central Railways.

Known for Total Transformation of Rail infrastructure and quality of services to both passenger and freight customers and public in general as DRM Nagpur, Central Railway.

Currently, as Managing Director, Maharashtra Metro Rail Corporation Ltd. (Maha Metro), built the organization from scratch, being employee no. 1 on 18th Feb' 2015, the day of its incorporation. Has ensured, a very expeditious start and fast progress of this major project overcoming numerous administrative and organizational challenges. Organized quick and smooth land acquisition; achieved fast tie up with international funding agencies viz. KfW Germany, AFD France and EIB. Ensured expeditious appointments of consultants and contractors. Achieved building up and functioning of organizational structure at board level and at the level of the corporation.

His latest accomplishment is Inauguration of 11 km section of Picturesque Aqua Line of Nagpur Metro, at the hands of Hon'ble Chief Minister of Maharashtra through video link on 28th Jan 2020 and inauguration of 13.5 km of Orange Line of Nagpur Metro, at the hands of Honorable Prime Minister Shri. Narendra Modi Ji through Video link on 7th March 2019.

Mr. Vinay Kumar Singh, Managing Director, NCRTC

Mr. Vinay Kumar Singh is a passionate civil engineer who had started his professional career as an Indian Railway Officer (IRSE 1988 batch). He is presently leading transformation in



regional mobility as the Managing Director of NCRTC, which is mandated for designing, developing, implementing, financing, operating, and maintaining Regional Rapid Transit System (RRTS) projects in the National Capital Region of India. Mr Singh has built NCRTC from scratch and is now spearheading the development of the idea into a reality through this \$15

billion project.

With thorough expertise of rail-based transport systems and deep understanding of advanced technologies, he is leading the implementation of RRTS as probably the most technologically advanced transport project in India at present. He is a strong advocate of challenging the status-quo which he has demonstrated by successfully signing two innovative contracts for Delhi-Meerut RRTS, which are first-of-its-kind for the country. First is the 15-year

maintenance of the rolling stock by the OEM bundled with supply contract and the second is 12-year comprehensive O&M contract of RRTS awarded to Deutsche Bahn India.

Before joining NCRTC, Mr Singh was the Chief Executive Officer of the High-Speed Rail Corporation, where he played a key role in developing the Mumbai-Ahmedabad HSR project and finalisation of techno-economic agreement between India and Japan for construction of this line. Having served as Executive Director in the Ministry of Railways, Government of India, he has experience of working on Board of many joint venture companies/ PPP SPVs and has acquired a profound policy perspective which he believes is helping him in his current role. Associated with many 'firsts', he has been the officer in-charge of the execution team of the first section of Delhi Metro project in field.

Mr. Mihir Sorti, Senior Project Officer (Transport), ADB

Mr. Mihir Sorti is currently Transport Specialist of Asian Development Bank. He is



an Infrastructure Portfolio and Project Management Professional with 19 years' experience in implementation of Transport sector projects (High Speed Rail, Metros, Urban mobility, Highways, Industrial Corridors, ITS & Ports). Also experienced in Investment promotion programs loans, capacity building initiatives, technical cooperation and grants in urban and transport sector.

He has an M.Tech in Urban and Regional Planning and M.A in Economics.

Mr. Mohammad Athar Saif, Partner, PWC, India

Mohammad Athar, Partner with PwC India, leads the Economic Development and



Infrastructure practice. He has over 15 years of consulting experience and has lead projects in several sectors including industrial infrastructure, urban transport, and tourism. In the public transport sector, he has led projects in bus transport, high speed rail, metro, transport policies and regulations among others. His experience in sustainable transport includes development of

strategies for planning and operations of electric buses, planning for public charging infrastructure and providing support to the cities for contract management of electric buses. In metro rail projects his focus areas include development of strategies for

land value capture, transit-oriented development, and evaluation of PPP infrastructure project financing.

His work experience spans across India, USA, Switzerland, Africa, Russia, Kazakhstan, Nigeria, Sweden, Nepal, Sri Lanka, and Bangladesh. Prior to PwC, he has worked with Siemens India on Delhi Metro and MRVC suburban railway project.

Mr. Laghu Parashar, Deputy Project Head, SMART-SUT, GIZ

Mr Laghu Parashar is currently Program Manager of Sustainable Urban Mobility and e-



mobility in GIZ India and leading a team supporting partners in Cities/States/Ministries while implementing measures on sustainable mobility and building their capacity. He is a Transportation Planner and having more than 18 years of experience in planning, design and implementation of sustainable transportation projects. He has lead teams delivering various sustainable transport projects including Bus Rapid Transit System

(BRTS) and city bus operation from concept till implementation stage. He has been instrumental in drafting “Urban Bus Specifications” (UBS-II) and various model documents, policies, schemes and implementation of urban transport reforms at various levels of Governments. He has authored/co-authored various publication/papers in National and International level. He has been Honorary Secretary of Institute of Urban Transport (IUT), India and active as a visiting faculty in leading planning institutes.

Mr. Thierry Desclos, Director of project at CEREMA, France

Thierry Desclos joined CEREMA (the agency of the Ministry of Ecology in charge urban



development, mobility and climate change) in 2021, as a director of project for international affairs.

From 2011 to 2021, he was a senior urban transport specialist at the World Bank, working on mobility projects, capacity building and urban mobility governance.

Earlier, he worked at the French Ministry of Transport and Sustainable Development as Head of the International Affairs Division and Head of the Urban Transport and Railway Services Division.

Thierry studied at the National School for Administration (ENA) and graduated at Rennes University, in English.

Plenary Session 2 - Urban Mobility - Vision 2047

Nature of the session – Plenary

Date & Time - Day 3 – 6.11.22 (Sunday) at 14:30 – 15:30

Venue – Liwa Hall (1 & 2) - (Hyatt Kochi)

Background of the Session:

Given the global concern on climate change and need to bring down carbon emissions, India has made several bold commitments at the 26th meeting of the conference of parties held at Glasgow in November 2021. These commitments inter alia included:

- installing non-fossil fuel electricity capacity of 500 GW by 2030
- sourcing 50% of energy requirement from renewables by 2030
- reducing 1 billion tonnes of projected emissions from now till 2030
- achieving carbon intensity reduction of 40% over 2005 levels by 2030
- achieving net zero by 2070.

The rapid pace of urbanization in India will mean that cities will have to be at the forefront of this thrust towards carbon neutrality. India will be able to meet its commitments only if cities are able to contribute towards the effort in a big way.

This session will seek to answer the following questions: What measures will help reduce carbon emissions from the urban transport sector? How can these efforts be financed? What kind of institutional reforms will help in moving towards carbon neutrality in the transport sector?

Session Structure:

Session Time – 1 hour

- Opening Address & Context Setting – 5 minutes
- Discussion – 45 minutes
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Session chair: - Mr. Manoj Joshi – Secretary, MoHUA, GoI

Context Setting & Moderator - Mr. Loknath Behera, MD, KMRL

Panelists: 6

Session Format:

Opening Address by Session Chair (14:30 - 14:35 Hrs)	Mr. Manoj Joshi – Secretary, MoHUA, GoI
Context Setting (14:35 - 14:40 Hrs)	<ul style="list-style-type: none"> • Mr. Loknath Behera, MD, KMRL
Discussion and Q&A (14:40 PM - 15:25 PM)	<ul style="list-style-type: none"> • Ms Anumita Roy Chowdhary, Executive Director Research and Advocacy, Centre for Science and Environment (CSE) • Mr Subhash Dhar, Senior Researcher, UNEP Copenhagen Climate Centre • Mr Mukund Kumar Sinha, Transport Specialist, ADB • Ms. Sarika Chakravarty, Sr. Sector Coordinator, Shelter & Transport), National Institute of Urban Affairs (NIUA) • Mr Abhay Bhakre, DG, Bureau of Energy Efficiency, Government of India • Mr. Sushil Kumar, Managing Director, UPMRC
Closing/ Concluding Remarks (15:25 PM -15:30 PM)	Mr. Manoj Joshi – Secretary, MoHUA, GoI

Speakers Brief Profile

The brief profiles of the speakers are given below:

Mr. Manoj Joshi – Secretary, MoHUA, GoI



Mr. Joshi working as Secretary in the Ministry of Housing and Urban Affairs, Government of India, Mr. Manoj Joshi belongs to 1989 batch of Indian Administrative Service (IAS) from Kerala Cadre.

He has held various assignments in Union and State Government covering Food Processing, Finance, Personnel, Public Works, Commerce/ Industries, Health & Family Welfare, Ports / Transport, Kerala State Industrial Development Corporation etc.

He has Bachelor's degree in Mechanical Engineering from National Institute of Technology (NIT), Jaipur, Rajasthan.

Mr. Loknath Behera, Managing Director, KMRL



Mr. Behera is a retired Director General of Police & State Police Chief, Kerala, w.e.f. 30th June 2021 after serving 5 years in this post. In the past worked in the NIA (National Investigation Agency) & CBI (Central Bureau of Investigation) for about 16 years and now on 30th August 2021, taken over as the MANAGING DIRECTOR, KOCHI METRO RAIL LTD. Kochi.

Mr. Behera has Special Technical Expertise in handling Communication & IT based matters in Internal Security. He has worked as Chairman/Member in a number of high security technology based projects of the Government of India.

He worked for 19 years in police department in various capacities.

Ms Anumita Roy Chowdhary, Executive Director Research and Advocacy, Centre for Science and Environment (CSE)



Anumita Roy Chowdhury is the Executive Director, Research and Advocacy, Centre for Science and Environment. Her special area of interest is sustainable urbanisation that encompasses clean air, sustainable mobility and habitat. She has worked extensively to shape the Right to Clean Air campaign to advocate multi-sector clean air action planning with special focus on clean and low carbon transportation.

She has played an active role in several national policy forums and global environmental platforms and published a range of policy papers and books. She has been awarded the prestigious Haagen-Smit Clean Air Award by the California Air Resources Board,

California, USA.

Mr. Subhash Dhar, Senior Researcher, UNEP Copenhagen Climate Centre



Mr. Subash Dhar works as a Senior Researcher in Mitigation Analysis and Data Management at UNEP Copenhagen Climate Centre and is a Senior Fellow at Global Centre for Environment and Energy, Ahmedabad University. He was the Lead Author for the Transport Chapter in the sixth Intergovernmental Panel on Climate Change (IPCC) assessment. His research interests include sustainable urban transport, low-carbon development, technology transfer and climate change, and he has published extensively on these topics.

He has authored the UN Environment toolkit for Low Carbon Mobility Planning for cities. He is the project coordinator for several projects on transport and e-Mobility and worked with most countries in the Asia Pacific region.

Mr Mukund Kumar Sinha, Transport Specialist, ADB



Mukund Kumar Sinha is a Transport Specialist of the Asian Development Bank South Asia Transport and Communications Division since 2019 and leads in the processing and administration of several rail and metro projects across South Asia, particularly in Bangladesh and India.

Mukund is an alumnus of the “Special Class Railway Apprentice” cadre of Indian Railways. His last assignment before joining ADB was as Joint Secretary, in the Ministry of Housing and Urban Affairs. His contributions include drafting of the National Metro Rail Policy, National TOD Policy, Framework for Appraisal of Urban Rail Projects, Specifications for National Common Mobility Card, and Standards for Urban Rail in India.

Apart from his railway engineering background (mechanical) from Indian Railways, he is an alumnus of the London School of Economics and Political Science. Mukund also holds a master’s in management from Management Development Institute, Gurgaon, India as well as a master’s in public policy from Indian Institute of Management, Bangalore, India.

Ms. Sarika Chakravarty, Sr. Sector Coordinator, Shelter & Transport), National Institute of Urban Affairs (NIUA)



Sarika Chakravarty has nearly two decades of cross-sectoral experience in urban, transportation and environmental planning domains. Currently she is working as a Senior Sector Coordinator for the Master Plan for Delhi – 2041 project at the NIUA which is widely regarded as the think tank for the Ministry of Housing and Urban Affairs, Govt. of India.

She has recently led a team of planners to develop a baseline and formulation of strategies for the housing and transport sectors of the MPD-2041. As part of the team, she also contributed to the formulation of the Land Policy, TOD Policy and Regeneration Policy for Delhi.

Previously, Sarika has been part of organisations like UNICEF and NCRPB, and has worked on various projects funded by multilateral agencies like the World Bank, JICA, DFID.

Mr Abhay Bhakre, DG, Bureau of Energy Efficiency, Government of India



PROFILE AWAITED

Mr. Sushil Kumar, Managing Director, UPMRC

PROFILE AWAITED

Round Table 1- Urban Transport Startups – ‘Ideation and Follow up Action’

Nature of the session – Round Table 1

Date & Time - Day 1 – 4.11.22 (Friday) at 14:30 – 16:00

Venue – (Grand BallRoom 1) (Hyatt Kochi)

Background of the Session:

In recent years, Indian cities have witnessed the entry of number of start-ups providing digital solutions and mobility-related services under various sectors of urban transport. Their numbers are increasing, and they are now being widely recognized as important engines for growth and jobs generation. Intuitive ideas combined with smart phone applications are changing the user experience for urban commuting. Through innovation and scalable technology, start-ups can generate impactful solutions, and thereby act as vehicles for socio-economic development and transformation.

Today, India is home to the third-largest startup ecosystem, after the US and China, going by the number of startups and unicorns. The objective of the session is to bring together innovations, entrepreneurs & ventures driving the future of urban transport digitalisation in India. We will take a closer look at how tech-based startups in the urban mobility domain are changing the way we commute and how the challenges related to urban mobility are being solved with emerging technologies.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes @15 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Moderator: Mr. Narendra Verma, GIZ

Participants: 6

Session Format:

Keynote & Context Setting by Moderator (14:30 - 14:35 Hrs)	Mr. Narendra Verma, Advisor - GIZ
Discussion and Q&A (14:35 PM - 15:55 PM)	<ul style="list-style-type: none">• Mr. Hiranmay Mallick, CEO & Co-Founder, TUMMOC• Mr. Manjunath R S, Director, FAIRTIQ India Pvt Ltd• Mr. Amit Gupta, Co-founder, gogoBus• Mr. Sujith Nayar, CEO & Co-Founder, Beckn Foundation, Bengaluru, Karnataka• Ms. Hadar Weinberger, Head of Product at Ev-Edge, Tel Aviv, Israel• Mr. Manraj Singh Bains, Director & Co-founder, Unitrans Mobility Solutions Pvt Ltd
Closing/ Concluding Remarks (15:55 PM -16:00 PM)	Mr. Narendra Verma, GIZ

Speakers Brief Profile

The brief profiles of the speakers are given below:

Mr. Narendra Verma, GIZ



Mr Verma is a transport planner with more than 5 years of experience in working on projects related to sustainable transport. He is currently working with GIZ on its bilateral technical cooperation project “Sustainable Urban Mobility – Air Quality, Climate Action and Accessibility” in India. The project works with central Ministry of Housing and Urban Affairs, Government of India and selected Indian Smart Cities on range of urban transport areas such as non-motorized transport, public transport improvement, road safety, multi-modal transport, electric mobility, data analytics, mobility as a service etc. It enables national, state and municipal institutions in promoting climate and environmentally friendly, low emission and socially balanced urban mobility systems. Prior Joining GIZ, he was working with TERI where he consistently engaged in research projects which focussed on issues related to urban and regional transport planning such as developing city sustainability guidelines and indicators, improving road safety on urban and rural roads, increasing share of railways in freight movement and so on.

Mr. Hiranmay Mallick, CEO & Co-Founder, TUMMOC



Mr. Hiranmay Mallick has total of 14 years of experience, out of which 8+ years of corporate experience in Leadership, Product Management, Sales, business development, KAM, channel management with HCL and Tims Group and been into entrepreneurship for last 6 years in Tummoc.

He manages P&L, Business operations, Investments and strategy at Tummoc.

Mr. Manjunath R S, Director, FAIRTIQ India Pvt Ltd



Mr. Manjunath Leads business development efforts for India @ FAIRTIQ , and also works with the product team to help them build cool features that would bring value to commuters in the APAC/MENA and Indian public transportation ecosystem. FAIRTIQ is a public transportation app that offers commuters a seamless ticketing experience as well as a wide range of tools for public transportation operators to improve their relationships with their riders and create a user centric public transportation system.

In short, FAIRTIQ is simplifying mobility for everyone everywhere

Mr. Amit Gupta, Co-founder, gogoBus



Mr. Amit Gupta is the Co-founder and CEO of gogoBus. He looks after a plethora of roles in the company which includes investor relations, business development, strategy as well as new product development. As a generalist, with more than 20 years of experience in Strategic & Commercial Intelligence, Operations and Enterprise Sales, Amit has worked at leadership positions in various reputed organisations like KPMG, CRISIL Infrastructure Advisory, TransCare Logistics etc. In his previous stint, he built the B2B vertical of Shuttl (an intracity office commute start-up) from scratch. As the VP of Enterprise Sales, he played a pivotal

role in driving the business top line from 0 to 250 million (INR) in 18 months.

Mr. Sujith Nayar, CEO & Co-Founder, Beckn Foundation, Bengaluru, Karnataka



Sujith is the CEO and Co-Founder of Beckn Foundation, which reimagines digital commerce from the first principles - focusing on inclusiveness and scale. His pursuits cover mobility, payments and internet businesses along with a keen interest in building things that are simple at their core but mammoth in scale.

Ms. Hadar Weinberger, Head of Product at Ev-Edge, Tel Aviv, Israel



Ms. Hadar is a change maker in the smart mobility area. She is an expert on leveraging data to develop innovative mobility solutions and facilitating data-driven decision making. She has founded the Innovation Product Team at Ayalon Highways, a government company of the Israeli Ministry of Transportation, where she led 11 innovative projects such as Israel's Mobility as a Service national project, AI-based public transportation grid planning, positive incentive-based program aiming to reduce traffic and more. Today, Hadar serves as both mobility expert for start-ups and municipalities (such as Tel Aviv MaaS project) and as the Head of Product at EV-Edge, a start-up for electric vehicle charging solutions. She also dedicates her time to help promote women in the mobility field where she co-founded in 2019 the Women in Mobility Mentoring Program.

Mr. Manraj Singh Bains, Director & Co-founder, Unitrans Mobility Solutions Pvt Ltd



Mr. Manraj is Traffic and Transportation Consultant with more than 10 years of industry experience in numerous projects related to transportation in India and across the world. Mr. Bains has core expertise in passenger and freight travel demand modelling and pedestrian's micro simulation modelling.

His experience covers variety of projects ranging from comprehensive mobility plans, public transport, operational modelling, traffic impact assessment studies, freight travel demand modelling, signal coordination and optimization to multi modal integration studies, metro station and railway station level of service and evacuation studies for pedestrians, and traffic impact assessment studies.

Round Table 2 - Integrating Urban and Transport Planning as a statutory Process: **Smart Mobility Zones**

Nature of the session – Round Table

Date & Time - Day 2 – 5.11.22 (Saturday) at 11:30 – 13:00

Venue – Grand Ball Room 3 (Hyatt, Kochi)

Background of the Session:

CEEW, through the USAID-funded ‘Cleaner Air and Better Health’ programme, has aimed to focus on reducing air pollution sources, exposure and its health impact. To reduce the impact of traffic-related sources, mobility should be sustainable not only in terms of clean-tech but also travel demand management. Through this session, the participants will discuss the planning framework, key considerations to plan and implement for Smart Mobility Zone and Low Emission Zone in Indian cities.

Restrictive measures like Low Emission Zones, Zero Emission Zones, Clean Air Zones etc. are adopted globally to check the usage of polluting vehicles in the pollution hot-spot areas in the city. Various studies translate the benefits in terms of economic, environmental and health parameters through continuous monitoring and surveillance. These Zones are effective tools for structuring and explaining policy on these concerns, and enforcing regulations within a defined zone. However, unlike European cities, Indian cities are facing urbanization, economic growth and exponential growth in travel demand.

Thus, India might need to customize LEZ as a tool for catering to growing mobility demand. The Finance Minister (GoI) had proposed Smart Mobility Zones as a solution in the Union Budget FY 2022-23. We propose a unique framework for designing smart mobility zones as a prerequisite to LEZ in the Indian context.

Additionally, a reformed legal framework may be used to promote the planning of such smart mobility zones and low-emission zones. The creation of a distinct legal system entails controlling the kinds of transport vehicles, and fuel technology that are forbidden and allowed in each designated zone. It goes without saying that such presumptions and restrictions will rely on local land use and activities, and may vary across board. Land use is important in the execution of various transport planning, however, it receives a little less attention. Transport supply is reliant on land use and its character is influenced by it.

Session Structure:

The Technical session would comprise of the following:

Sl No	Activity Proposed	Tentative Time
1.	Welcome note by Chair Mr. Soumitri Das, USAID	11:30 A.M – 11:35 A.M
2.	Context setting presentation on ‘Smart Mobility Zone’ by CEEW	11:35 A.M - 11:45 A.M
3.	Expert opinion/ presentation on LEZ- Covering International and National studies (2-3 short presentations) <ul style="list-style-type: none">● Ms. Pramoda Gode - Global LEZ overview.● Mr. Martin Lutz - LEZ planning process adopted in Berlin, Germany and the challenges faced● Ms. Surbhi Kureel - LEZ/similar nature of intervention around Lingaraja Temple, Bhubaneswar.	11:45 A.M-12:15P.M
4.	Round Table Discussion (moderated by Dr. Himani Jain, CEEW)	12:15 P.M - 12: 55 P.M
5.	Session wrap-up and Vote of Thanks	12:55 P.M-01:00 P.M

Speakers Brief Profile

Mr. Soumitri Das, Project Management Specialist (Environment), USAID (Chair)



Mr. Soumitri Das is a Chevening Scholar with over 20 years of international experience related to environment, energy, climate change, and natural resource management. He is currently working as Project Management Specialist (Environment) and Team Lead (Pollution and Health Impacts) with United States Agency for International Development (USAID), New Delhi, India. He has earlier worked with United Nations Environment Programme - World Conservation Monitoring Centre (UNEP-WCMC), Cambridge, UK; Forest Technology Group, South Carolina, USA; and the Indian Institute of Management, Ahmedabad (IIMA), India.

Dr. Himani Jain, Senior Programme Lead, CEEW (Moderator)



As a Senior Programme Lead at The Council, Himani leads the team towards emerging technologies, Bus planning-management and developing smart mobility zones. Himani has 20 years of experience in land use and transport planning, road safety, participatory approaches, campaigns and business solutions development.

Mr. Martin Lutz, Head of Air Quality Management, Berlin, Germany, Senate Department for Environment, Mobility, Consumer and Climate Protection



Mr. Martin Lutz has worked in Berlin's Environment Department managing winter smog alarms with the polluting vehicles ban. He drafted the air quality strategy, promoting clean transport modes and the LEZ scheme. He represents Berlin in the C40 city network and chairs the AQ working group of EuroCities. Mr Lutz has been an advisor on AQ management in Eastern Europe, Turkey, Mexico, China, India and Southeast Asia.

Dr. Rajender Pensiya, IAS, Director, Directorate of Urban Transport, Uttar Pradesh:

(Profile Awaited)

Ms. Pramoda Gode, Senior Expert, Electric Mobility & Sustainable Transportation



Ms. Pramoda is a freelancer and works with international think tanks, research organizations and not-for-profits to decarbonize road transport in India. Over the past 2 decades, she has worked extensively with government leaders, urban planning bodies and transit agencies in the USA, India, and Africa.

Ms. Surbhi Kureel, Associate Director, IPE Global



Ms. Surabhi Kureel is a Urban Transport Specialist with over 15 years' experience in Urban Transport, in leading the development and implementation of large-scale projects in urban mobility (Bus Rapid Transit, Public Transport, Non motorized Transport etc). Her work focuses on the policy, reforms and implementation of projects in the sustainable urban transport sector.

Mr. Apaar Srivastav, Consultant, CEEW



Mr. Apaar Srivastava works as a consultant with CEEW in the TFT-Sustainable Mobility team at the Council. His domain of interest lies in emission zones and compact city planning.

List of senior Govt Bureaucrats and non-Govt practitioners in the roundtable session:

- 1.** Dr O.P. Agarwal, Former OSD (UT), MoUD and DG, IUT
- 2.** Dr. Rajender Pensiya, IAS, Director, Directorate of Urban Transport, Uttar Pradesh.
- 3.** Shri. Shanavas S, IAS, CEO, CSML
- 4.** K Chandran Pillai , Chairman, Greater Cochin Development Authority, GCDA
- 5.** Mr. Indrajeet Singh, IAS, Commissioner, Lucknow Municipal Corporation (TBC)
- 6.** Mr G. N. Shivasharanappa, IAS, Commissioner Kanpur Nagar Nigam (TBC)
- 7.** Mr. Gopakumar KM, Senior Town Planner, Ernakulam
- 8.** Mr. K.R. Jyothilal, IAS, Principal Secretary, Government of Kerala (TBC)
- 9.** Mr. Biju Prabhakar, IAS, Transport Secretary, Government of Kerala (TBC)
- 10.** Er. A.K Gupta, Additional Director, RCUES, Lucknow
- 11.** Mr. Ajit Sharma, GM, Finance , DMRC
- 12.** Mr. T. K. S. Visen, Joint Director, UTD, Government of Uttar-Pradesh
- 13.** Mr. G.P Hari, Executive Officer, KMTA, Kochi
- 14.** Mr K. J. Sohan, Former Mayor, Kochi Municipal Corporation
- 15.** Dr. Rajan, Centre for Heritage, Environment and Development (C-HED)
- 16.** Mr. P. M. Shabeer LLB, Regional Transport Officer (RTO), Ernakulam
- 17.** Mr Anoop Kumar Srivastava, Chief Town Planner, TCPO, Uttar Pradesh
- 18.** Dr. Shalini Sinha, Centre Head & Principal Researcher, CoE-UT
- 19.** Prof. (Dr.) Ashish Verma, IISC & Convenor, Sustainable Transportation Lab (IST Lab)
- 20.** Ms. Ashwathy Dilip, South Asia Director, ITDP
- 21.** Ms. Aparna, Manager, Electric Mobility, WRI
- 22.** Mr. Kaushal Kumar Sahu, Sr. Project Officer - Transport, ADB
- 23.** Shri Laghu Parashar, Program Manager - E-mobility and Sustainable Transport, GIZ
- 24.** Mr. Subash Dhar, Senior Researcher at UNEP Copenhagen Climate Centre
- 25.** Mr. D. Dhanuraj, Chairman, Centre for Public Policy Research, Kochi
- 26.** Mr. Narayan, Programme Lead/ Ms. Priyadarshini Alok, Assistant Programme Manager-Electric Mobility, SSEF
- 27.** Anthony B J, Managing Director, Kleen Smart Bus Limited (KSBL)

**Round Table 3 - Collaboration between the Government and Technology
Startups to make EV City Buses Successful in India**

Nature of the session – Round Table

Date & Time - Day 2 – 5.11.22 (Saturday) at 14:30 – 16:00

Venue – Grand Ball Room 3 (Hyatt Kochi)

Background of the Session:

Climate change is real and is impacting millions of lives across the globe. It is imminent that we make environmentally friendly choices to prevent further damage to the environment. A transition to electric vehicles can have far reaching effects in curbing pollution and as a result climate change. With the Hon'ble Prime Minister Shri Narendra Modi making the pledge to be 100% energy independent by 2047 and with India setting a target of achieving net zero carbon emissions by 2070, the need of the hour is for all vehicles, from motorbikes and scooters, to cars, to trucks and buses, to switch to electric.

Buses plying in India today account for almost 10% of the total diesel consumption in the country. This straight away points at deployment of electric buses as the way forward to curb emissions. However, despite personal EV sales rapidly gathering pace in the last few years, the switch to EV city buses has been slow, owing to several challenges.

This session aims to seek the following answers:

- A viable model to add electric city buses with lesser reliance on government investments and subsidies
- Partnerships to finance and procure electric city buses
- New technology and business models to increase revenue
- Optimizing operations with technology so that electric buses can speedily recover investments and start paying forward
- Discussing examples of successful viable deployment of electric city buses, and the learnings for other cities from these

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes @10 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Moderator – Ms. Vaidhehi Ravindran, Partner, Lightrock India

Speakers: 7

Session Format:

Keynote & Context Setting by Moderator (14:30 - 14:35 Hrs)	Ms. Vaidhehi Ravindran, Partner, Lightrock India
Discussions and Q&A (14:35 PM - 15:55 PM)	<ul style="list-style-type: none">• Mr. Anurag Jain, IAS: Secretary - Industry and Internal Trade, GoI• Mr. Biju Prabhakar, IAS, Transport Secretary, Kerala Government• Mr. Radhakrishnan B, IAS: Municipal Commissioner, Nagpur• Mr. Arun Bothra, IPS: Transport Commissioner, CRUT Government of Odisha• Ms. Shilpa Shinde, IAS: MD - DTC, Special Commissioner, Transport , Transport Department, Delhi• Mr. Rahul Yadav, IAS, Municipal Commissioner, Jammu• Mr. Sandeep Soni, CEO, UDA Ujjain, Madhya Pradesh• Ms. Mahua Acharya, CEO and MD – CESL• Mr. Manuj Goyal, IAS, Commissioner, Municipal Corporation Dehradun
Closing/ Concluding Remarks (15:55 PM -16:00 PM)	Ms. Vaidhehi Ravindran, Partner, Lightrock India

Speakers Brief Profile

The brief profiles of the speakers are given below:

Ms. Vaidhehi Ravindran, Partner, Lightrock India



Ms.Vaidhehi is a Partner at Lightrock and focuses on overall investment strategy along with a focus on the supply chain and agri sector. She currently serves on the boards of Waycool, Dunzo, Porter, Chalo, Shiprocket and LEAF. Prior to joining Lightrock, she was an energy consultant and worked in the development of multi-billion dollar refining and petrochemical projects in the Americas and Africa. Previously, Vaidhehi was one of the first few women involved in project and refinery operations at Indian

Oil Corporation. Vaidhehi is a Chemical Engineer from NIT, Tiruchirapalli and has a Masters in International Affairs from Columbia University's SIPA.

Mr. Anurag Jain, IAS: Secretary - Industry and Internal Trade, GoI



Mr. Anurag Jain is an Indian Administrative Service (IAS) Officer of 1989 Batch in Madhya Pradesh Cadre. He assumed the charge of the office of Secretary, Department for Promotion. of Industry and Internal Trade (DPIIT). He as Joint Secretary in the Ministry of Finance is credited with conceptualizing and implementing one of the most successful initiatives 'Pradhan Mantri Jan Oshan Yojana', the largest financial inclusion programme in the World. As Secretary to Chief Minister, Madhya Pradesh, he was the prime mover of enactment of Public Service Delivery Management Act, an innovative concept adopted by more than a dozen States in the country. As Secretary, Information Technology, Govt. of Madhya Pradesh, he was instrumental in taking the State to top rungs in e-Readiness Assessment of States and Union Report.

Mr. Biju Prabhakar, IAS, Transport Secretary, Kerala Government



Mr. Biju Prabhakar is the Transport Secretary for the Government of Kerala. He has held positions like Special Secretary in charge of the Department of Social Justice and Women & Child Development, Secretary (i/c) of the Public Works Department, Director of Agriculture, District Collector and District Magistrate of Trivandrum, Commissioner of Food Safety, Managing Director, Kerala Medical Services Corporation, Director of State Lotteries and Project Director of the Bhoomi Keralam in the past.

His key achievements include the Karunya Lottery & Benevolent Fund, the Karunya Pharmacy Chain, and India's first educational channel- Victers, Operation Anantha for the flood victims of Trivandrum, Arteria, and Land Acquisition of Highways/Projects and Take - a – Break toilets.

Mr. Radhakrishnan B, IAS: Municipal Commissioner, Nagpur



Mr. Radhakrishnan B is a 2008 batch IAS officer in the state of Maharashtra.

He is currently serving as Municipal Commissioner of Nagpur Municipal Corporation.

Previously, Radhakrishnan B served as the District Collector of Ratnagiri and Nashik.

Mr. Arun Bothra, IPS: Transport Commissioner, CRUT Government of Odisha



Mr. Arun Bothra is a 1996-batch Indian police service (IPS) officer in the state of Odisha. The Odisha state government appointed a 1996 batch IPS officer as the new transport commissioner, so he was appointed as the chairman cum managing director of Odisha state road transport corporation(OSRTC) and the chief executive officer of the capital region urban transport(CRUT) at Bhubaneswar, Odisha in June 2021.

In the Covid 19 pandemic, he had done many amazing works such as the Mo bus initiative which is a sustainable transport in the capital city that is why his name was found in the lists of 21 Heroes 2021, selected by Transformative urban mobility initiative for ensuring Swift transportation to the public during the covid19 pandemic.

Ms. Shilpa Shinde, IAS: MD - DTC, Special Commissioner, Transport , Transport Department, Delhi



Ms. Shilpa Shinde currently holds the position of Managing Director, Delhi Transport Corporation with additional charge of Special Commissioner (Transport). She is a 2006 batch IAS officer. As the Managing Director, DTC Ms. Shilpa has taken up several initiatives to encourage more women in public transport and create gender sensitive transport infrastructure. Some of these initiatives include relaxing eligibility criteria to encourage women as bus drivers. Ms. Shilpa is also leading the initiative of decarbonizing public transport systems in

Delhi Transport Corporation through introduction of electric buses.

Mr. Rahul Yadav, IAS, Municipal Commissioner, Jammu



Mr. Rahul Yadav is a 2014 batch IAS officer presently working as Municipal Commissioner of Jammu Municipal Corporation.

He is also holding a charge as the CEO of Jammu Smart City Limited. Previously he served as Deputy Commissioner of kathua

Mr. Sandeep Soni, CEO, UDA Ujjain, Madhya Pradesh



Mr. Sandeep Soni is currently Ujjain Development Authority's CEO and Shri Mahakaleshwar Temple's administrator.

He also served as CEO of AiCTSL (Atal Indore City Transport Limited) for eight years and played a key role in the implementation of new technological solutions to enhance passenger services in the city buses of Indore. He also served as an additional Commissioner to Indore Municipal Corporation

Ms. Mahua Acharya, CEO and MD – CESL



Ms. Mahua Acharya is the Managing Director and Chief Executive Officer of state-owned energy transition company, Convergence Energy Services Limited of the Government of India. She holds a master's degree from Yale University.

Mahua has over two decades of experience in carbon markets, renewable energy and organizational management across different countries. She has lived in five countries and worked in over twenty-five. Prior to her role at Convergence, Mahua was the Assistant Director-General of a new multilateral organization the Global Green Growth Institute. She is one of the early pioneers of the carbon market working at the World Bank in Washington DC during the days of the market's inception.

Mahua is co-founder faculty of an executive education program at the Indian Institute of Management, Ahmedabad, serves on the boards of multiple international entities, and has appeared on international and Indian listings of women in leadership.

Through her work at CESL, she leads the development of an electric-vehicle ecosystem in India. She is working to enable deployment of electric three-wheelers, cars, and electric buses at scale. She is also involved in the build-out of charging stations across the country.

Mr. Manuj Goyal, IAS, Commissioner, Municipal Corporation Dehradun

Profile Awaited

Round Table 4 – Street for All

Nature of the session – Round Table

Date & Time - Day 3 –6.11.22 (Saturday) at 11:30 – 13:00

Venue – Grand Ball Room 1 (Hyatt Kochi)

Background of the Session:

With the ever-increasing surge in the vehicular population since industrialization, Indian cities have focused on improving their infrastructure to meet this increasing demand and prioritizing the movement of private motor vehicles. Streets play a larger role in urban life, acting as enablers for commerce and leisure. Streets are places where citizens meet, interact, celebrate festivals, and buy goods for their everyday needs. Census data shows that around 48% Indians commute by either walking or cycling. However, the infrastructure to support this mode of transportation across Indian cities has a long way to improve. Absent or broken footpaths, insufficient walking space, unsafe crossings, lack of refuge spaces, are common sights in our cities which shows the lack and thereby clear need of providing infrastructure for all users. The national, state & city govts. and urban practitioners have undertaken several efforts over the last decade to transform streets in Indian cities. However, the key challenge of moving beyond pilots remains.

This session aims to facilitate the exchange of ideas and experiences around improving streets, between various representatives from across the country, spanning governments at the centre, states and cities.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Presentations – 75 minutes @5 mins each for each presenter
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Moderator

1. Mr. Dhawal Ashar, "Program Head Urban Transport & Road Safety" WRI India
2. Ms. Aswathy Dilip, Managing Director, ITDP India

Speakers: 14

Session Format:

Keynote by Moderator (11:30 - 11:35 Hrs)	<ol style="list-style-type: none">1. Mr. Dhawal Ashar, "Program Head Urban Transport & Road Safety" WRI India2. Ms. Aswathy Dilip, Managing Director, ITDP India
Presentations and Q&A (11:35 PM - 12:55 PM)	<ul style="list-style-type: none">• Adv. M Anil Kumar, Hon'ble Mayor, Kochi• Mr. Biju Prabhakar IAS, Principal Secretary, Transport & CMD, KSRTC, Govt of Kerala• Mr. Om Prakash Mishra, Special Commissioner, Delhi Transport Department• Ms. Sarika Chakravarty, Sr. Sector Coordinator, NIUA• Ms. Swati Khanna, Senior Sector Specialist Urban Development and Mobility, KFW• Ms. Charmie Parekh, CEO, Silvassa Smart City• Mr. Abhimnayu Prakas, Regional Lead, Asia and Africa, Global Designing Cities Initiative• Mr. Rishav Gupta, IAS, CEO, Indore Smart City Development Limited, Additional Commissioner, Indore Municipal Corporation, CEO, Atal Indore City Transport Service Limited, Indore Smart City Development Limited• Ms. Nithya Ramesh, Director, Janagraha• Mr. Shashank Achanthodi, CM Fellow, Govt. of NCT of Delhi• Mr. Gerald Ollivier, Lead Transport Specialist, World Bank• Ms. Sarika Panda, Director, Nagarro Founder Trustee, Raahgiri Foundation• Mr. Prasanna Desai, Practising Architect, Urban Designer & Director PVP College of Architecture, Pune, Prasanna Desai Architects• Dr. Navdeep Asija, Traffic Advisor to Government of Punjab and Director, Punjab Road Safety & Traffic Research Centre, Department of Home, Government of Punjab• Mr. Dharendra Khadgata, IAS, Municipal

	Commissioner, Rohtak, Govt. of Haryana
Closing/ Concluding Remarks (12:55 PM -13:00 PM)	1. Mr. Dhawal Ashar, "Program Head Urban Transport & Road Safety" WRI India 2. Ms. Aswathy Dilip, Managing Director, ITDP India

Speakers Brief Profile

The brief profiles of the speakers are given below:

Mr. Dhawal Ashar, "Program Head Urban Transport & Road Safety" WRI India



Mr. Dhawal Ashar is a Program Head in the Integrated Transport team at the World Resources Institute, India's Ross Center for Sustainable Cities and Transport program. His work integrates transport engineering and urban design to improve safety and sustainability in cities. Mr. Dhawal works out of WRI's Mumbai office, and manages road safety projects in several cities and India and South-East Asia.

Mr. Dhawal is a founder member and trustee of the Equal Streets Movement – a sustained community movement towards the provision of better and safer cycling infrastructure in Mumbai.

Dhawal has over 12 years of experience working as a transportation planner and engineer. He holds a bachelor's in Civil Engineering from Mumbai University, India, and a master's in Civil Engineering from Virginia Tech University, USA, with a specialization in Transportation Planning.

Ms. Aswathy Dilip, Managing Director, ITDP India



Ms. Aswathy Dilip is the Managing Director of ITDP India. She is a sought-after expert in raising support for sustainable mobility from key decision-makers, governments, and stakeholders. With support from the India team, she works with national, state, and city governments; providing them with technical assistance on sustainable, inclusive, and equitable urban mobility. Her work has contributed to creating streets safe for walking and cycling, implementing parking reforms, and building support for high-quality, clean sustainable mass transit with a focus on

electric mobility. She has a masters degree as an urban designer from Cardiff University, UK, and a bachelor degree in Architecture.

Mr. Om Prakash Mishra, Special Commissioner, Delhi Transport Dept.

Mr. O P Mishra is serving as the Special Commissioner for Road Safety with the Transport Department, New Delhi. He is leading the Road safety lead agency of Delhi, an agency as constituted by the Supreme Court. He has relentlessly driven and taken charge for many initiatives of the Delhi Transport Department including black spot junction improvement, neighbourhood redevelopment, bus lane initiative, route rationalisation and many other key initiatives of the department. Prior to this he was posted as the Secretary for the Administration of Union Territory of Lakshadweep for a period of 2.5 years. He was also associated with many transport initiatives like Raahgiri, cycle lanes, automatic parking, safe subways, smart parking as Director PROJECTS of New Delhi Municipal Council.



Mr. Anshul Mishra, IAS, Member Secretary, Chennai Metropolitan Development Authority (CMDA)



Mr. Anshul Mishra is an IAS officer of the Tamil Nadu cadre with over 18 years of experience in government service across a wide spectrum of fields in governance, policy-making and service delivery at the Local, State and Central Government levels in India. He is the current Member-Secretary of the Chennai Metropolitan Development Authority (CMDA). He is driving a process for the creation of the Third Master Plan of Chennai and leading the conversation on tools for densification of the city, land pooling, land value capture, transfer of development rights, affordable housing, efficient use of land reserved for public spaces, gender-sensitive approaches, flood and risk planning, planning for multi-modal mobility, expansion of the Chennai Metropolitan Area, among others.

Ms. Sarika Chakravarty, Sr. Sector Coordinator NIUA



Ms. Sarika Chakravarty has nearly two decades of cross-sectoral experience in urban, transportation and environmental planning domains. Currently she is working as a Senior Sector Coordinator for the Master Plan for Delhi – 2041 project at the National Institute of Urban Affairs (NIUA) which is widely regarded as the think tank for the Ministry of Housing and Urban Affairs, Govt. of India. She has recently led a team of planners to develop a baseline and formulation of strategies for the housing and transport sectors of the MPD-2041. As part of the team, she also contributed to the formulation of the Land Policy, TOD Policy and Regeneration Policy for

Delhi. Previously, Sarika has been part of organisations like UNICEF and NCRPB, and has worked on various projects funded by multilateral agencies like the World Bank, JICA, DFID, etc.

Ms. Swati Khanna, Senior Sector Specialist Urban Development and Mobility KFW



Ms. Swati is an urban development professional with 16+ years of working closely with people on ground, authorities, governments and private sector.

She has worked across cities in India and internationally on urban use, space design, mobility, infrastructure and governance. Interested in new and innovative inclusive initiatives esp in active mobility and public space, she is now associated with KfW Development Bank, the financial arm of Indo-German Development Cooperation for the last 5+ years.

Ms. Charmie Parekh, CEO, Silvassa Smart City



Ms. Charmie Parekh is Deputy Collector of Silvassa and the Chief Executive Officer of Silvassa Smart City Limited. In line with the objective of the Smart City Mission the city of Silvassa has set its vision for smart city as “A vibrant growth centre that offers an optimal balance between industrial prosperity and quality of life, while promoting its rich tribal heritage”. She has been actively taking various initiatives to strengthen mobility of Dadra and Nagar Haveli. In view of adapting green mobility, under leadership of Charmie Parekh, Silvassa has successfully launched Cycle2Work Campaign

with corporates and for the citizens of Silvassa and for the floating population of Silvassa, fully Electric buses are in operation.

Mr. Dharendra Khadgata, Commissioner Municipal Corporation, Rohtak



Mr. Dharendra Khadgata is an IAS officer (2012 batch) and the Commissioner of Municipal Corporation Rohtak Mr. Dharendra has experience as a Deputy Commissioner and Municipal Commissioner in various districts of Haryana. He is keen interested to work on road safety projects, His work done under Haryana Vision zero projects were remarkable. He wants to work more on Pedestrian facilities, safer mobility for especially abled people with the motive creating streets for all.

Mr. Abhimanyu Prakash, Regional Lead, Asia and Africa Global Designing Cities Initiative



Abhimanyu Prakash joined GDCI in early 2015 and now is a Senior Program Manager and the Regional Lead for Asia and Africa working with cities on the street and public space design around the world through Bloomberg's Initiative for Global Road Safety (BIGRS). He was part of the core team developing the award-winning Global Street Design Guide. He currently leads the projects and activities in India, Vietnam, Kenya, and Ethiopia, to name a few of the countries under the BIGRS program.

As an urban designer and architect, Abhimanyu has gained global expertise in these fields through his past engagements in India, Germany and New York City. Various multi-scalar public and private projects across global contexts have helped him hone his skills across scales and gain a holistic approach to urban design.

He graduated with the Lucille Smyser Prize from the Graduate School of Architecture, Planning, and Preservation and holds a Bachelor of Architecture from Sushant School of Art and Architecture, New Delhi where he was the recipient of various awards including the National Thesis Award awarded by the Indian Council for Architecture.

Mr. Rishav Gupta, CEO, Indore Smart City Development Limited, Additional Commissioner, Indore Municipal Corporation, CEO, Atal Indore City Transport Service Limited" Indore Smart City Development Limited



Mr. Rishav Gupta is an IAS officer (2014 batch) and the CEO - Indore Smart City Development Limited. Mr. Rishav has diverse experience and has worked with Royal Bank of Scotland thereafter as a Software Analyst in its Global Banking and Markets division.

He is currently heading Indore Smart City's initiatives under various flagship programs of the Ministry of Housing and Urban Affairs.

He envisions to make Indore a sustainable and safe city that is for all.

Ms. Nithya Ramesh, Director, Janagraha



Ms. Nithya Ramesh holds a master's degree (M.Arch) in Urban Design and Creative Urban Practices from the Glasgow School of Art and a bachelor degree in architecture, (B.Arch) from Anna University, Chennai. After her return to India she was part of HCP DPM, Ahmedabad, for 3 years, where she was part of the Sabarmati Riverfront Development Project. She moved to Bangalore in 2013 and has been with Jana Urban Space Foundation since. She is currently the Director, Urban design studio, where our focus is on fixing India's cities through transformative projects of great public value. She headed the team

that was involved in the execution on ground the first set of Tender SURE roads in Bangalore and post which actively involved in conceptualization and developing Tender SURE roads across the different cities in India, Waterfront development projects as well as social infrastructure projects. Apart from team and project management on design and drawing delivery, she handles client, government liaison and community participation, which is an ethos of the organisation and have been actively involved in engaging with different organisations within the urban development sphere.

Mr. Shashank Achanthodi, CM Fellow, Govt. of NCT of Delhi



Mr. Shashank Achanthodi is a Chief Minister's Urban Leaders Fellow (CMULF) with the Govt. of NCT of Delhi. He works closely with the Hon'ble Deputy Chief Minister (Sh. Manish Sisodia); aiding in research, design and monitoring for Delhi's Public Works Department.

He is passionate about shaping the future of Indian cities and encourages urban design thinking amongst the next generation of architects. He was a visiting faculty for the Urban Design masters studio at RV College of Architecture until recently. Shashank had done his Bachelors in

Architecture from NIT Trichy and his Masters in Urban Design from the University of Sheffield-UK . He has since worked extensively on public-space design projects and smart city projects across India and specialises in urban street design.

Mr. Gerald Ollivier, Lead Transport Specialist, World Bank



Mr. Gerald Ollivier is Lead Transport Specialist for the World Bank in India. He focuses on developing solutions to enhance urban mobility, unlock markets for electric mobility, achieve sustainable economic integration through multimodal transport, and achieve safer transport to better serve the needs of India. Prior to India, he was Cluster Leader in the Singapore World Bank Hub and led the World Bank Community of Practice on Transit Oriented Development. From 2010 to June 2018, he supported the development of metro lines and high-speed rail lines in China, as team leader

for several World Bank projects. From 1995 to 2010, he focused on World Bank trade and transport projects in Europe and Central Asia. He is a civil engineer and a chartered financial analyst.

Mr. B. S. Prahalad, Engineer-in-Chief, BBMP Bruhat Bengaluru Mahanagara Palike (BBMP)

Profile Awaited

Mr. Pramod Ombhaser, Joint city engineer, Pimpri Chinchwad Municipal Corporation (PCMC)

Profile Awaited

Roundtable 5 – Sustainable Transport Development – Focus on E-Mobility

Nature of the session – Sustainable Transport Development – Focus on E-Mobility

Date & Time - Day 3 – 6.11.22 (Sunday) at 1130 – 1300 Hrs

Venue – Grand Ballroom 3, Grand Hyatt Kochi Bolgatty, Kerala

Session Details

The public transport sector plays a critical role in the Nation's economy. With the ever-increasing need for connectivity, the focus of policymakers is now towards developing a sustainable form of transport. India has already committed to net-zero emissions by 2070 and transport sector is expected to be a key contributor in meeting this target. Both Central and State governments have already taken several concentrated efforts in this direction, including increasing awareness regarding usage of cleaner and greener alternate fuels, vehicles with advanced emission control devices, promoting electric mobility to fasten the transition to cleaner, greener, and sustainable transport.

In the light of this, the session will focus on identifying the key challenges in various initiatives towards transition to clean and green transportation with a focus on e-mobility, capacity building of public transit authorities and other institutional stakeholders for greater uptake in e-mobility. The session will initiate conversation on the role of private sector in developing sustainable transport and various institutional, financial, regulatory, and planning interventions required at State/City level. It will further provide insights on the measures which may be adopted to scale up the adoption of e-mobility.

Session Structure:

Session Time – 1 hour and 30 minutes

- Opening Remarks and Introduction – 5 minutes
- Welcome Address & Context setting – 15 minutes
- Panel Discussion – 40 minutes
- Question & Answer – 20 minutes
- Key Takeaways & Vote of Thanks – 10 minutes

Speakers: 6

Session Format:

Time	Programme
Opening remarks & Introduction of Key Speakers (1130 – 1135 Hrs)	Ms. Vaishakhi Shah, Director, PwC India
Welcome Address (1135 – 1140 Hrs)	Panel Chairperson (TBD)
Context Setting & Presentation (1140 – 1150 Hrs)	<i>Presentation on E mobility Trends and Trajectories</i> Mr. Mohammad Athar, Partner, PwC India
Panel Discussion and Q&A (1150 – 1250 Hrs)	Moderator: Mr. Mohammad Athar Saif, Partner, PwC India Panelists: <ul style="list-style-type: none">• Ms. Anja Fourie, Principal Portfolio Manager, KfW India Program• Mr. Laghu Parashar, Program Manager, Sustainable Urban Mobility and e-mobility, GIZ India• Professor Shivanand Swamy, Director Emeritus, Centre of Excellence in Urban Transport (COE-UT), CEPT University, Ahmedabad• Mr. Prasanna Patwardhan, Chairperson & Managing Director, Prasanna Group of Companies• Mr. Rohit Pathania, Lead, Centre for Clean Mobility at Ola Mobility India (OMI) Foundation
Key Takeaways (1250 – 1255 Hrs)	Panel Chairperson (TBD)
Vote of Thanks (1255 – 1300 Hrs)	Mr. Mohammad Athar Saif, Partner, PwC India

Speakers Brief Profile

The profiles of the speakers are given below:

Session Moderator: Mr. Mohammad Athar Saif, Partner, Economic Development and Infrastructure Practice, PwC India



Mr. Saif is an expert in industrial development, investment due diligence and project finance with executive education from Harvard Kennedy School, MBA from IIT Kharagpur and engineering from AMU. He has been a part of large-scale government's transformation projects in South Asia including Bhutan, Bangladesh, and Sri Lanka. Mr. Saif's key areas of expertise include development strategies and investment diligence for large investors, infrastructure financing, project structuring, PPP projects to name a few.

He has worked in several government and private sector business advisory projects in various domains including infrastructure space, entry strategy, investment due diligence, infrastructure financing, policy development.

Ms. Anja Fourie, Principal Portfolio Manager, KfW India Program



Ms. Fourie is a Principal Portfolio Manager within the German development finance institution KfW Development Bank, currently working in the team Climate Finance and Mobility South Asia. She has over 15 years of international cooperation work experience in different positions within KfW Development Bank and several countries – beside India, South Africa, Ghana and Kenya as well as Serbia, Montenegro and Bosnia Herzegovina.

Her expertise lies in sustainable urban development and climate-friendly urban transport as well as in financial sector development. She serves as a member of the Advisory Board of several Indian investment funds, like Aavishkaar, Omnivore and Encourage Solar Finance. Anja is a trained banker and holds a master's degree in business management from the University of Regensburg, Germany.

Mr. Laghu Parashar, Program Manager, Sustainable Urban Mobility & Electric Mobility GIZ, India



Mr. Laghu Parashar is currently Program Manager of Sustainable Urban Mobility and e-mobility in GIZ India and leading a team supporting partners in Cities/States/Ministries while implementing measures on sustainable mobility and building their capacity. He is a Transportation Planner and having more than 18 years of experience in planning, design and implementation of sustainable transportation projects.

He has lead teams delivering various sustainable transport projects including Bus Rapid Transit System (BRTS) and city bus operation from concept till implementation stage. He has been instrumental in drafting “Urban Bus Specifications” (UBS-II) and various model documents, policies, schemes and implementation of urban transport reforms at various levels of Governments. He has authored/co-authored various publication/papers in National and International level. He has been Honorary Secretary of Institute of Urban Transport (IUT), India and active as a visiting faculty in leading planning institutes.

Professor Shivanand Swamy, Director Emeritus, CoE-UT, CRDF-CEPT



Prof. Shivanand Swamy, an economist & urban and regional planner, has been an educator, researcher, policy advisor and consultant on urban development planning and management. As an academic, he has been involved in teaching at CEPT University since 1986, and his teaching and research interests are in land use–transport planning, public transport planning, transportation economics and finance. He is instrumental in the conceptualization and introduction of master’s degree programmes in Infrastructure Planning, and Urban Transport Planning. He is currently leading capacity building programs supported by the Ministry of Housing and Urban Affairs (MoHUA) and the World Bank/GIZ.

Prof. Swamy has over thirty-five years of extensive professional experience in related fields of urban development management: urban transport policy and planning, public transport planning and management, BRTS planning, design and development, electrification of public transport, IPT and city mobility plans including urban freight. He has been a member of several national level and state level committees constituted by the Ministry of Urban Development, Government of India and the state governments.

Mr. Prasanna Patwardhan, Chairman and Managing Director, The Prasanna Group



Mr. Patwardhan is the current chairman and director of “The Prasanna Group” which has a long history of more than five decades in the Transport & Leisure business. It is one of the largest transport companies operating across the country with a fleet of over 1000+ vehicles ranging from Indica cars to Volvo buses and small tempos to multi-axle trucks. He is an active member of many industrial bodies and transport organizations such as Global Passenger Network, International Road Transport Union, BOCI, MCCIA, MEDC and many more.

He has been instrumental in introducing new activities such as Passenger, Goods transportation, Domestic/International Tours & Travels and highway Restaurants/Motels. He has been bestowed with various awards for his excellent business achievements. “Dare to Dream Award” by Zee Business was presented to the company for extraordinary growth due to business innovation and efficient processes. Also, the recipient of National Award for “India’s Top 100 SME 2019” given by Shri Nitin Gadkari. He has been awarded for his excellence in marketing, use of technology, service industry, transport industries to name a few.

Mr. Rohit Pathania, Lead - Centre for Clean Mobility at Ola Mobility India (OMI) Foundation



Mr. Rohit Pathania leads the Centre for Clean Mobility at Ola Mobility India (OMI) Foundation. His area of research includes the role of clean energy sources and mobility innovation play in mitigating climate and environmental challenges. His latest issue brief, for example, on hydrogen for transport has examined the current trends on green hydrogen and the role it can play in niche spaces like shipping and aviation.

Rohit has been working in the domain of energy and environment for more than a decade now and has a Master’s degree from the National University of Singapore. He also has an engineering degree from the Delhi College of Engineering.

French Country Seminar

Nature of the session – Seminar

Date & Time - Day 1 – 4.11.22 (Friday) at 14:30 – 16:00

Venue – Grand Ballroom 3 (Hyatt Kochi)

Background of the Session:

The public transport sector is one of the largest contributors to the GDP and plays a critical role in the country's economy. The need of the hour in the public transport sector is to focus on sustainable transport including low carbon non-motorised transport. India has committed to net-zero emissions by 2070 and side by side is striving for meeting targets for renewable energy and emission reduction.

Concentrated efforts have been taken by the government to increase the penetration of electric vehicles ranging from 2-wheelers, 3-wheelers, 4-wheelers and public buses with support to laying down charging infrastructure and reduce the carbon footprint by policy adoptions like Faster Adoption and manufacturing of electric vehicles (FAME I & II), Corporate Average Fuel Economy (CAFE) norms, National Electric Mobility Programme (2018) and the ongoing National Electric Bus Program (NEBP) .

The session aims to understand the various initiatives towards transition to clean and green transportation with a focus on electric mobility highlighting key challenges for implementation. The session will deliberate on institutional, finance, regulatory, and planning interventions and its impact on the government, private sector, financial institutions, and other institutions to scale up e-mobility.

Session Structure:

Session Time – 1 hour and 30 minutes

- Keynote & Context Setting – 5 minutes
- Discussion – 75 minutes
- Question & Answer – 5 minutes
- Concluding Remarks – 5 minutes

The Technical session would comprise of the following:

Opening Address: Mr. Eric Fajole, Trade Commissioner, Director of Business France South Asia

Moderator: Ms. Jyoti Vijayan NAIR, Urban and Resilience Sector Portfolio Manager
 Agence Française De Développement
 Mr. Sumit Gupta, Trade Advisor, Business France, French Embassy

Speakers: 13

Session Format:

Opening Address (14:30 - 14:35 Hrs)	Mr. Eric Fajole, Trade Commissioner, Director of Business France South Asia on Indo-French Partnership in Sustainable Urban Mobility
Preliminary Remarks (14:35 - 14:40 Hrs)	Mr. Bruno Bolse, Director of French Development Agency (AFD)
Key Address (14:40 - 14:50 Hrs)	<ul style="list-style-type: none"> • Mr. Christian Laugier, Group Business Development Director, Egis and • Mr. Fabrice Morenon, Managing Director, SNCF Hubs and Connexions
Discussion (14:50 PM - 15:55 PM)	<ul style="list-style-type: none"> • Mr. Aurelien Sostaponti, Team Leader, Business France, French Embassy • Ms. Morgane Castnier, Director Clients, Marketing, Technologies, SNCF Gares & Connexions • Mr. Benjamin Fauchier Delavigne, Sales Director, Asia, POMA • Ms. Vashuda Sharma, Chief Commercial Officer India, Egis • Mr. Guillaume Bruniquel, International Director, Sherpa Engineering • Mr. Nitin John Khandagale, Director, Sydac Simulation Technologies India Private Limited • Mr. Hari Somalraju, Managing Director, Systra MVA Consulting (India) Pvt. Ltd. • Mr. Anurag Somvanshi, Head of Business Development, Systra MVA Consulting (India) Pvt. Ltd. • Mr. Thameem Kamaldeen, Managing Director – Signalling India Cluster, Alstom
Closing/ Concluding Remarks (15:55 PM -16:00 PM)	Mr. Eric Fajole, Trade Commissioner, Director of Business France South Asia

Speakers Brief Profile

The brief profiles of the speakers are given below:

Mr. Bruno Bosle, Country Director, AGENCE FRANÇAISE DE DÉVELOPPEMENT



Bruno Bosle is the Country Director of the Agency in India since September 2019. Graduated of both Grenoble Economics School & Political Studies Institute (IEP), Bruno Bosle has then worked in the field of international development for more than 20 years.

From 1998 to 2001, he began his career as Chargé de mission for scientific & technical cooperation at the French Embassy in Vietnam in the fields of law, economics and management. In 2002, he joined the Union of Industries and Metallurgy Professions (UIMM) of Lyon. He joined AFD in 2008 as Project Manager in the Education &

Training Division.

From 2012 to 2015, he was assigned to Brazzaville AFD office (Republic of Congo) where he was responsible for the implementation of the Debt Reduction and Development Contract mechanism (C2D) as well as the development and monitoring of a portfolio of projects in various sectors: education and vocational training, urban and port infrastructure, health, water / sanitation and energy.

From 2015 to 2019, he was posted to the Jakarta AFD office (Indonesia) as Deputy Director where he focused on infrastructure, marine resources and public policy lending in the areas of public finance, marine biodiversity and sustainable energy.

Ms. Jyoti Vijayan NAIR



Jyoti Vijayan Nair is the Urban and Resilience Sector Portfolio Manager at the French Bilateral Development Bank – AFD, New Delhi. She manages over 230 MEURs of AFD's commitments to the Government of India as loans and grants. Her diverse portfolio spans across a wide range of sectors including sustainable urban mobility, disaster risk reduction and resilience, and solid waste management.

Jyoti has over 9 years of experience in project management, urban policy and strategic planning. She began her career in urban development at the international NGO – the Institute for Transportation and Development Policy (ITDP), wherein she focussed on research related to Transit-Oriented Development. Following this, she worked extensively on urban policy at the National Institute of Urban Affairs (NIUA) as a part of the landmark project – Master Plan Delhi 2041 (MPD). Before joining AFD, Jyoti was involved with the United Nations Development Programme (UNDP).

Jyoti is an Architect and Urban Planner by training. Prior to obtaining her Masters degree in 'Urban Strategies and Design' from the University of Edinburgh in 2016, Jyoti has also worked for two years as a Project Architect at a renowned architecture and urbanism studio based in Gurgaon – DADA and Partners.

Mr. Sumit Gupta



Sumit Gupta has joined the Industries & Cleantech team of Business France India in August 2021 as a referent for the Mobility and Security sector. Sumit Gupta has a Master's degree from Centrale Nantes and has worked with major French companies such as Naval Group and Michelin. Sumit GUPTA is also a certified PMI (Project Management Institute) Project Manager and speaks English, Hindi and French.

Mr. Christian Laugier, Group Business Development Director, Egis



A graduate of the Ecole supérieure des travaux publics Paris and ISBA Marseille, Christian Laugier has been with the Egis group for 39 years. As a specialist in major projects, he has directed various Egis subsidiaries in France and globally, and has made a significant contribution to the development of the Group's business around the world.

Mr. Aurelien Sostaponti, Team Leader , Business France, French Embassy

Aurélien SOSTAPONTI joined the Business France (BF) India team in September 2018 as the Industry & Cleantech cluster manager. He was for 4 years the BF "Mobility" referent (rail, urban, ITS) and accompanied French companies in mobility, infrastructure and aeronautics within BF São Paulo in Brazil. Over the past 6 years, he has helped more than 350 companies to develop on 5 continents, which has strengthened his expertise in the field. He has also held several positions within large French groups such as Snecma, Orange and Renault.

Mr. Eric Fajole, Trade Commissioner, Business France, French Embassy



Eric Fajole is the Trade Commissioner and Head of Business France, India, Sri Lanka, and Bangladesh. Business France is the French Trade & Investment Commission of the French government. Its role is to support the international development of the French economy, foster export growth by French businesses, as well as promoting and facilitating international investment in France. It covers 124 countries through its network of 87 offices across the world."

Ms. Morgane Castnier, Director Clients, Marketing, Technologies, SNCF Gares & Connexions



Diplômée de l'école supérieure de commerce de Grenoble, Morgane CASTANIER a démarré sa carrière dans le marketing. Elle intègre le groupe Sud-Ouest en 2007, en tant que Directrice des Nouveaux Médias et membre du Comité de Direction S3G. Elle rejoint SFR en 2010 en tant que Directrice Marketing & Expérience Client Digitale où elle développe la culture digitale et la relation client. En 2015, elle évolue au poste de Directrice DATA et CRM de SFR - Groupe Altice - et intègre le Comité de Direction Marketing Grand Public où elle est en charge de la stratégie de rétention et développement de valeur des parcs clients du groupe. En 2017, elle rejoint le groupe HSBC en tant que Directrice Marketing, Digital et Data où elle sera membre du Comité Exécutif. Morgane CASTANIER y manage plus de 100 personnes et s'occupe notamment de la digitalisation de la banque de détail en France et du développement de la marque.

Mr. Benjamin Fauchier Delavigne, Sales Director, Asia, POMA



Graduated from 2 Master's Degree in Public Administration/Politics and Business Administration, Mr. Benjamin FAUCHIER-DELAVIGNE has work since 10 years in both private and public sector, in Europe, Asia & Latin America.

From defense industry or utilities PPP contract, he has an extensive experience of complex contractual environment, technical tendering process and international sales/project management. From 2009 to 2012 he worked as chief assistant and advisor to French MP & acting Minister. Benjamin FAUCHIER-DELAVIGNE is in charge of POMA group sales and business development for South & South East Asia since 2016.

Ms. Vashuda Sharma, Chief Commercial Officer India, Egis



Mr. Guillaume Bruniquel, International Director, SHERPA ENGINEERING



Graduated from the Ecole des Mines de Nantes in 1998, Guillaume started his carrier in Sherpa Engineering, a company expert in Model Based Design and System Engineering, as a Climate Control modeler. In 2004, he was hired by PSA company. After 13 years in PSA Group, working on thermal systems and managing the Vehicle Thermal Comfort team, he came back in 2017 in Sherpa Engineering as International Director, to promote broadly System Engineering and the

virtues of Digitalization, notably to study innovative automotive applications and meet the challenges of mobility electrification.

Mr. Nitin John Khandagale, Director, Sydac Simulation Technologies India Private Limited



Director, Sogclair India with OktalSydac, delivering world class engineering solutions to our customers in India as well as abroad. Our office has been in operation for 10 years and is delivering projects to customers such as a Alstom India BEML Indian Railways KSRTC and even to the aerospace industry. 3D simulation is an exciting business involving latest technologies inherited from 3D gaming crossed with high technical expertise in the train domain.

Mr. Hari Somalraju, Managing Director, Systra MVA Consulting (India) Pvt. Ltd.



"Mr. Hari Somalraju graduated in Civil Engineering in 1992 and Post Graduated in Transportation Engineering in 1994 from the National Institute of Technology, Warangal. He completed Advanced Management Program from Indian Institute of Management, Bangalore.

He has more than two decades of experience in transportation sector at various leadership roles with leading multinational Engineering and Consultancy companies across Asia Pacific region. Mr. Somalraju has good understanding of overall business environment in transport sector in India and is well versed with all aspects of rail and metro projects right from concept stage to O&M.

He is currently working as the Managing Director of Systra Group India a leading French engineering consulting firm, undertaking design & project management consulting projects for majority of rail and metro projects in India."

Mr. Anurag Somvanshi, Head of Business Development, Systra MVA Consulting (India) Pvt. Ltd.(Profile Awaited)

Mr. Thameem Kamaldeen, Managing Director – Signalling India Cluster, Alstom



Thameem Kamaldeen is the Managing Director of Alstom's signalling business in the India Cluster. Under this able leadership, the innovation hubs in India has evolved to be one of the largest product development & engineering centers that contributes to a third of Alstom's R&D allocation. In the past six years at Alstom, he has played a pivotal role in growing the digital mobility and product development business by delivering 95% of engineering turnkey projects for APAC region out of India.

Before joining Alstom, he was leading the Bombardier Transportation Engineering Centre, Tata Infotech, Datapro Infoworld, and Aptech. An engineer by education, he completed his

BE in Electronics & Communications at Madras University and is also a PMI certified project management professional. He has keen interest and practices music and culinary arts.