



**World Health
Organization**

Regional Office for South-East Asia

Urban Mobility India 2011

Sixth Regional EST Forum in Asia

Conference cum Exhibition on
Sustainable Mobility

Organized by

United Nations Centre for Regional
Development (UNCRD)

Ministry of Urban Development
Government of India

World Health Organization (WHO)

Institute of Urban Transport (IUT)

Ministry of the Environment
Government of Japan

VENUE: The Manekshaw Centre, Dhaula Kuan, New Delhi (India)

(3rd to 6th December 2011)

URBAN MOBILITY INDIA CONFERENCE & EXHIBITION-2011 & SIXTH REGIONAL ENVIRONMENTALLY SUSTAINABLE TRANSPORT (EST) FORUM

PROVISIONAL PROGRAMME

Conference Chair: Prof. Saugata Roy, Hon'ble Minister of State (Urban Development), Government of India

DAY 1 - Saturday, 3 December 2011

08:00 – onwards	REGISTRATION
09:00 – 17:00	URBAN MOBILITY INDIA 2011 - RESEARCH SYMPOSIUM

PROGRAMME OF UMI 2011 RESEARCH SYMPOSIUM					
0900h	0930h	Opening session Opening Address by Shri S.K. Lohia, OSD(UT) and Ex-officio Jt. Secretary, Ministry of Urban Development, Govt. of India Introduction to Symposium by Dr. Geetam Tiwari Key Note Speech by: Shri K.C. Sivaramakrishna , former Secretary, Ministry of Urban Development and Research Professor and Chairman Centre for Policy Research Vote of Thanks Venue: Ashoka			
0930h	1115h	Technical Session 1(a): Accessibility and Safety 12-min presentations followed by 15-min Q&A after every three papers Venue: Ashoka Chair: Prof D Mohan Rapporteur: Pankaj Prajapati		Technical Session 1(b): Public Transportation 12-min presentations followed by 15-min Q&A after every three papers Venue: Taber Chair: Dr. R.R. Kalaga Rapporteur: Rahul Goel	
		Rahul Tiwari IIT Madras	Unconventional Transport Measures for Improving Accessibility and Safety in Disaster Prone Hill Areas – Case Study of Gangtok, Sikkim (70)	S M Hassan Mahdavi M IIT Delhi	Effect of GDP on share of public transport and non-motorized vehicles in small and medium sized cities (72)
		Deepty Jain IIT Delhi	Impact of different infrastructure improvements on accessibility of different type of users (67)	Chaphekar Unmesh Pradip CEPT Ahmedabad	Institutional Reforms in Public Transport - 'A Need of New and Comprehensive Outlook' (70)
		Prutha N Shah CEPT Ahmedabad	Modelling Travel Behaviour of Men and Women (66)	Sungdikongro Imchen CEPT Ahmedabad	Transit Options For Hill Cities: A case of Kohima (66)

		Hemangi Ashish Dalwadi	Exploring the Sustainable Transportation Indicators by comparing two Neighborhoods : A case of Ahmedabad city (60)	Margie Parikh IIM Ahmedabad	Simultaneous Pursuit of Efficiency and Innovation: Exploring Ambidexterity in Organization Design in the Public Urban Transport (62)
		Ninaad Surendrakumar Athalye SVNIT	Identification of Black Spot Zones on National Highways: A Case study of Bhopal City (58)	Ranjana Prakash Menon University of Hyderabad	Critique of Pune's approach to transportation through an analysis of its budget (57)
		Santhi Jagadeeswari Tarlapu, IIT Guwahati	Factors Influencing Non-Motorised Mode Choice: A review	Pawan Dwivedi SPA Delhi	Mobility Characteristics of Users In Mass Transit System in Metropolitan City of Delhi: Case Study Delhi Metro (59)
1115h	1145h	Tea Break and Poster session Venue: Foyer Area and RXN Area			
1145h	1320h	Technical Session 2(a): Urban Land Use and Transport 12-min presentations followed by 15-min Q&A after every three papers Venue: Ashoka Chair: Prof Shivanand Swami Rapporteur: Deepty Jain		Technical Session 2(b): Public Transportation 12-min presentations followed by 15-min Q&A after every three papers Venue: Taber Chair: Prof S Gupta Rapporteur: Gaurav Pandey	
		<u>Pianka Bhattacharya</u> SPA Delhi	Transport Planning and Design strategies for Green city (68)	<u>Pradeep Singh Kharola</u> IIT Delhi	Financing Urban Public Transport Systems – An 'Economic Firm' Approach (70)
		<u>Amit Arora</u> SPA Delhi	Mobility Patterns in Residential Neighbourhoods of Delhi: Characteristics and Issues (66)	<u>Vimal Kumar Gahlot</u> MNIT	Evaluation of City Public Transport System Using GIS (67)
		<u>Vishnu B</u> IIT Madras	Behavioral influence of worker's tour on non- workers tours (58)	Mahesh Kumar Raman IIT Delhi	Bus Route Planning for Patna City (66)
		<u>Subodh Kant Dubey</u> BITS Pilani	A Comparative study of Route Choice Modeling using Fuzzy logic and Adaptive Neuro-fuzzy (57)	<u>Khelan M Modi</u> CEPT Ahmedabad	Towards an Integrated Public Transport System – A case of BRTS and city services, Ahmedabad (61)
		<u>Mansha Swami</u> SVNIT	Impact of Feeder Services on Ridership of BRTS in Surat City (57)	<u>Swapna Ann Wilson</u> St. Xaviers College, Trivandrum	Pedestrian Routes and their linkage to Transit Terminals: Lifelines of Urban Mobility City of Ahmedabad a case (56)
		Satish Kumar Eerni <i>NIT Tiruchirappalli</i>	Forecasting Urban Sprawl and Traffic Conditions in Tiruchirappalli City	Prageeja K <i>NIT Calicut</i>	Alternative Strategies for Mass Transportation-An Indigenous Way
1320h	1420h	Lunch Break Venue: Foyer Area			
1420h	1555h	Technical Session 3(a): Modeling Techniques 12-min presentations followed by 15-min Q&A after every three papers		Technical Session 3(b): Traffic Management and Operations and Environment 12-min presentations followed by 15-min Q&A after every three papers	

		Venue: Ashoka Chair: Dr. R Sivanandan Rapporteur: Shalini Rankavat	Venue: Taber Chair: Dr. CSRK Prasad Rapporteur: Sumeet Gupta		
		<u>Mariya Khatoon</u> IIT Delhi	Statistical analysis to measure pedestrian risk at Foot of Flyover (78)	Abhjit Ghosh, IIT Delhi	Financial Operational and Safety Performance of Bus System – Case Study DTC
		GS Sasane IIT Bombay	A Sustainable Approach of Modeling Regional Solid Waste Transportation System: Mumbai Metropolitan Region (MMR), a Case Study (70)	Vivek Arora IIT Delhi	Comparison of Environmental Impacts by Different Technologies of Bituminous Road Resurfacing on the basis of Life Cycle Assessment (61)
		Karthikeya Pavan Kumar Pisipati, NIT Warangal	Modelling the Influence of Cross Roads and Fringe Conditions on Travel Time	Partha Pratim Sarkar IIT Guwahati	Travel behavior analysis using a simple O-D survey (58)
		<u>Shivprasad Bhagwanrao Khedkar</u> IIT Madras	Modelling the Influence of Cross Roads and Fringe Conditions on Travel Time (65)	<u>Rinal Komal Chheda</u> IIT Bombay	Optimal solid waste transportation management system (56)
		G.S. Rao, IIT Roorkee	Factors Affecting Capacity of Urban Roads –A Review	Pradeep Kumar D NIT Warangal	Corridor Management Using Service Level Benchmarks (55)
		<u>Subodh Kant Dubey</u> BITS Pilani	Headway Modelling: From Singular Model to Mixture Model (60)	Basil B, NIT Tiruchirappalli	Urban Speed Management - A case study of Tiruchirappalli city (55)
1555h	1625h	Tea Break and Poster session Venue: Foyer Area & RXN Area			
1625h	1700h	Closing Session Panel Discussion Moderator: Dr. Sudhir Krishna, Secretary, Ministry of Urban Development <ul style="list-style-type: none"> • Research report by Shri B.I. Singal, DG, IUT • Discussion on report by invited panelists Dr. D. Mohan, Dr. P.K. Sikdar and Dr. A. Kundu • Response from representatives of CoEs – Dr. R. Sivanandan, Dr. C.S.R.K. Prasad, Prof. Shivanand Swamy Vote of Thanks by Venue: Ashoka			

DAY 2 - Sunday, 4 December 2011

08:00 – onwards	REGISTRATION
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PROGRAMME OF THE INTEGRATED CONFERENCE (UMI 2011 + SIXTH EST FORUM)

JOINT INAUGURAL SESSION (09:30 – 11:30) – Venue: Zorawar	
09:30 – 09:40	Welcome Remarks by Shri S.K. Lohia, OSD(UT) & Ex-officio Joint Secretary, Ministry of Urban Development, Government of India
09:40 – 09:45	Opening Remarks by Ms. Chikako Takase, Director, UNCRD/DESA
09:45 – 09:50	Address by Dr. Poonam Khetrpal Singh, Deputy Regional Director, World Health Organization South-East Asia Region
09:50 – 09:55	Address by Mr. Osami Sagisaka, Director General, Environmental Management Bureau, Ministry of the Environment, Government of Japan
09:55 – 10:00	Special Address on Role of Railways in Urban Transport by Shri A.P. Mishra, Member (Engineering), Railway Board
10:00 – 10:25	Keynote Address 1: Metro Rail Revolution in India by Dr. E. Sreedharan, Managing Director, Delhi Metro Rail Corporation (DMRC)
10:25 – 10:50	Keynote Address 2: Premature death and particulate matter (PM) pollution - a critical challenge in urban management by Mr. Robert O'Keefe, Vice President of the Health Effects Institute (HEI) and Chairman of CAI-Asia
10:50 – 11:10	Inaugural Address by Dr. Sudhir Krishna, Secretary, Ministry of Urban Development, Government of India
11:10 – 11:15	Vote of Thanks by Mr. Choudhury Rudra Charan Mohanty, Environment Programme Coordinator, UNCRD
11:15 – 11:20	Group Photo
11:20 – 11:30	Inauguration of Expo by Dr. Sudhir Krishna, Secretary, Ministry of Urban Development, Government of India
11:30 – 12:00	Tea/Coffee Break – Venue: Foyer Area
JOINT PLENARY SESSION 1: PUBLIC HEALTH AND SAFETY IN SUSTAINABLE URBAN TRANSPORT (12:00 – 13:30)	
Venue: Zorawar Session Chair: Shri Sudhir Krishna, Secretary (Urban Development), Ministry of Urban Development-India Facilitator: Shri S.K. Lohia, OSD(UT) and EO Joint Secretary, Ministry of Urban Development-India Rapporteur: Mr. Charles Martin Melhuish	
12:00 – 12:15	Implementing a system approach in support of the Decade of Action for Road Safety 2011-2020 by Dr. Chamaiparn Santikarn, Regional Advisor - Injury and Violence Prevention (IVP), WHO/SEARO
12:15 – 12:30	Mainstreaming road safety in transport operations and financing in Asia by Mr. Oleg Tonkononkov, Senior Transport Specialist, ADB
12:30 – 12:45	Preventing traffic deaths and injuries through sustainable transport measures, Dr. Madhav Pai, Director, EMBARQ India
12:45 – 13:30	Q&A / Open Discussion
13:30 – 15:00	Lunch / Visit to EXPO

PARALLEL SESSIONS (15:00 – 16:30)

UMI 1A: Integrated Approach to Transport Planning	UMI 1B: Bus Operations	Round Table 1: Public Private Partnership (PPP), When and Where to Use?	Round Table 2: How to Control the growing Number of Cars and Two-Wheelers?	EST 1: Moving forwards on the Bangkok 2020 Declaration
Venue: Zorawar Session Chair: Prof. P.K. Sarkar Rapporteur: Ms. Taru Jain	Venue: Talwar Session Chair: Dr. P.S. Rana Rapporteur: Ms. Chidambara	Venue: Shamsher Anchor: Shri Cherian Thomas, IDFC	Venue: Taber Anchor: Ms. Anumita Roy Choudhury, CSE	Venue: Ashoka Session Chair: Arbab Alamgir Khan, Minister for Communications-Pakistan Facilitator: Michael Replogle, Global Policy Director and Founder, ITDP Rapporteur: Heather Allen, Programme Director, TRL
Facilities for transport sensitive groups by Ms. Shreya Gadepalli, ITDP	Successful reform in bus operation – case of Seoul by Dr. Joonho Ko, Research Fellow, Seoul Development Institute			The Bangkok 2020 Declaration – a vision for Asia in promoting sustainable transport towards a green economy by C.R.C. Mohanty, Environment Programme Coordinator, United Nations Centre for Regional Development (UNCRD)
Congestion charging: options and impacts by Mr. Todd Litman, Executive Director, VTPI	Improving financial viability of city bus operations – case study of Bangalore by Shri Ingalalgi, Chief Manager (MIS), Bangalore Metropolitan Transport Corporation (BMTCL)			Implementing the Bangkok 2020 Declaration – benefits and opportunities by Cornie Huizenga, Joint Convener, Partnership on Sustainable Low Carbon Transport (SLoCaT) 2020 and Beyond: The Green Economy transition for transport in Asia and the Pacific by Lloyd Wright, Senior Transport Specialist, Asian Development Bank (ADB) (followed by Official release of the joint ADB-GIZ publication, "Changing Course in Urban Transport: An Illustrated Guide")
Greening the transport for poverty alleviation by Mr. Holger Dalkmann, Director, EMBARQ	Paradigm shift in PPP for bus operations in India by Prof. Shivanand Swamy, CEPT			Global modal shift scenario - complementing Energy and CO2 benefits through implementing the Bangkok 2020 Declaration by Lewis M. Fulton, Senior Transport Energy Specialist, International Energy Agency (IEA)

Possible solutions for a transport system compliant with the energy supply and the environment: measurable analyses by Prof. Bruno Dalla Chiara, "Politecnico di Torino" (I - Eu), EBTC	Evolving Sustainable City Service for medium size cities Shri Gaurav Gupta, Managing Director (MD), Karnataka State Road Transport Corporation (KSRTC)			
Q&A / Open Discussion	Q&A / Open Discussion			Q&A / Open Discussion
16:30 – 17:00	Tea/Coffee Break – Venue: Foyer Area			

PARALLEL SESSIONS (17:00 – 18:30)						
UMI 2A: Transportation Systems Management	UMI 2B: Last Mile Connectivity	Round Table 3: Should Rail Transit be Preferred to Bus-based Modes?	Round Table 4: What Kind of Bus Should be Used for BRT?	EST 2: Country Reporting in Response to Bangkok 2020 Declaration – Initiatives, Achievements, Policies and Programs		
Venue: Zorawar Session Chair: Shri Anil Baijal, former Secretary, MOUD Rapporteur: Shri Shanbhag Sandeep Uday Kumar	Venue: Ashoka Session Chair: Shri S.K. Manglik Rapporteur: Ms. Ammu Gopala Krishnan	Venue: Mayur Anchor: Shri B.I. Singal, DG/IUT	Venue: Avadh Anchor: Shri Shivanand Swamy, CEPT University, Ahmedabad	Venue: Shamsheer Session Chair: Thomas Hamlin, DSD/ UN DESA Facilitator: Heather Allen Rapporteur: Marie Thynell	Venue: Taber Session Chair: Chikako Takase, Director, UNCRD Facilitator: Sophie Punte Rapporteur: Simon Ka Wing Ng	Venue: Talwar Session Chair: O. P. Agarwal, World Bank Facilitator: CRC Mohanty Rapporteur: Bert Fabian
Traffic engineering measures for improving the flow of traffic by Mr. Mahesh Thakur, Executive Engineer, Municipal	Planning for access to public transport stations – Case of Hyderabad by Shri N.V.S Reddy, Hyderabad Metro rail			<u>Group 1</u> Bangladesh India Japan	<u>Group 2</u> Bhutan Cambodia Indonesia	<u>Group 3</u> Afghanistan Malaysia Mongolia

Corporation of Greater Mumbai	Planning for safe and effective pedestrian and bicycle facilities by Mr. Julien Allaire, Technical Director, CODATU Paris			Lao PDR Myanmar Nepal Philippines	Rep. of Korea Maldives Pakistan	Singapore Sri Lanka Thailand Viet Nam
Use of ITS for efficient and effective traffic management by Mr. Takahiko Uchimura, Vice President, ITS Japan	Transforming cycle rickshaw – Case of Fazilka by Shri Navdeep Asija, Fazilka Eco Cabs					
Q&A / Open Discussion	Q&A / Open Discussion			<u>Panel Discussion</u> Lloyd Wright Roelof Wittink Holger Dalkmann	<u>Panel Discussion</u> Michael Repogle Lewis M. Fulton Cornie Huizenga	<u>Panel Discussion</u> Manfred Breithaupt Charles Melhuish Yoshitaka Motoda

19:45 onwards	Welcome Reception hosted by Hon'ble Minister of State (Urban Development) – Venue: Foyer area and RXN Area
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DAY 3 - Monday, 5 December 2011

PARALLEL SESSIONS (09:30 – 11:00)					
UMI 3A: Mass Transit Options	UMI 3B: People and Environment Friendly Urban Transport Infrastructure Planning	Round Table 5: Sustainable Mobility and Large Housing Projects	Round Table 6: National Mission on Sustainable Habitat – Development of Standards	EST 3A: EST as the Basis for NAMAs (Nationally Appropriate Mitigation Actions)	EST 3B: Modal Share Development: How to Break the Trend
Venue: Zorawar Session Chair: Dr. M. Ramachandran, former Secretary, MOUD Rapporteur: Shri Amit Singh Baghel	Venue: Ashoka Session Chair: Shri O.P. Agarwal, World Bank Rapporteur: Shri Probhat Kumar Paul	Venue: Talwar EMBARQ Sponsored	Venue: Mayur Anchor: Ms. Shreya Gadepalli, ITDP-India	Venue: Shamsher Session Chair: S. Sundar, Distinguished Fellow, TERI Facilitator: Cornie Huizenga Rapporteur: Anup Bandivadekar	Venue: Taber Session Chair: Faridullah Khan, Managing Director, ENERCON-Pakistan Facilitator: Sophie Punte Rapporteur: Bert Fabian
State of art planning design and operation of BRT – case of Gujarat by Shri I.P. Gautam, Principal Secretary (UD), Gujarat	Urban Street design guidelines by Shri Sandeep Gandhi, IIT, Delhi			Environmentally Sustainable Transport as the Basis for NAMAs by Akshima T. Ghate, Fellow and Area Convenor, Centre for Research on Sustainable Urban Development and Transport Systems, The Energy and Resources Institute (TERI)	Making sustainable mobility a reality – how to break the trend by Santhosh Kodukula, Urban Transport Specialist, GIZ-SUTP (Sustainable Urban Transport Project)
Challenges faced by private parties in planning design and operation of rail/guided transit by Shri Anil P. Gupta, Reliance Infrastructure	Parking policy as a tool to enable modal shift by Ms. Anumita Roychoudhury, CSE			Opportunities and challenges of applying NAMAs in the transport sector in Asia: from Cancun to Durban by Thomas Hamlin, Technical Adviser -Energy, Transport and Climate Change, Division for Sustainable Development (DSD), UN DESA	Sustainable mobility alliance to improve mode share of public transport by Heather Allen, Programme Director, Transport Research Laboratory (TRL)
Multimodal integration through design of interchanges by Dr. Dario Hidalgo, Embarq	Designing feeder services for system integration by Mr Binyam Reja, World Bank			Mainstreaming transport co-benefits approach: a practical guide for evaluating transport projects by Jane Romero, Transport Specialist, Climate Change Group, Institute for Global Environmental Strategies (IGES)	How to build healthy and livable cities through safe and dedicated bicycle infrastructures – case of Changwon by Buok Rhee, Changwon Health Centre, and Sanghyuk Bae, Researcher, Seoul National University (SNU)

Presentation by Mr. Nenad Zdravkovic, Dopplemayr					
Hybrid Transit Systems – Case study of Thane by Shri K.D. Lala, City Engineer, Thane Municipal Corporation					
Q & A / Open Discussion	Q & A / Open Discussion			Q & A / Open Discussion	Q & A / Open Discussion
11:00 – 11:30	Tea/Coffee Break – Venue: Foyer Area				
PARALLEL SESSIONS (11:30 – 13:00)					
UMI 4A: Livable Cities and Bench Marking	UMI 4B: Leveraging Strategies for Better Finances	Round Table 5: (continued)	Round Table 7: Should the City Have bus Services by Private Sector or Public Sector or a Mix?	EST 4A: EST for Green Economy	EST 4B: Rail Development as an Efficient Mass Transit Option
Venue: Zorawar Session Chair: Shri S. Sunder, Distinguished Fellow, TERI Rapporteur: Ms. Vishakha Varshney	Venue: Ashoka Session Chair: Shri Anil P. Gupta, Reliance Infrastructure Rapporteur: Shri Neeraj Sharma	Venue: Talwar Anchor : EMBARQ	Venue: Mayur Anchor: Shri P.K. Gupta, CMD, DTC	Venue: Shamsheer Session Chair: Paljor J. Dorji, Deputy Minister, National Environment Commission-Bhutan Facilitators: A.T.M. Nurul Amin, North South University (NSU) and Sungwon Lee, Head of the Center for Transport Economics and Social Cohesion, KOTI Rapporteur: C.R.C. Mohanty	Venue: Taber Session Chair: Rohana Kumara Dissanayake, Deputy Minister of Transport, Ministry of Transport-Sri Lanka Facilitator: Prodyut Dutt, Principal Transport Specialist, ADB Rapporteur: Abdul Quium, UN ESCAP
ESHUT towards a livable city - a case of Owariasahi City/Japan on integrated land use planning by Prof. Keiko Nakamura and Mr. Sadashi Toyoda	Issues in financing sustainable urban transport by Shri OP Agarwal, World Bank			Win-win transport solutions for green economy and climate mitigation by Holger Dalkmann, Director, The World Resource Institute Center for Sustainable Transport (EMBARQ)	The rail sector and sustainable development: building a Green Economy by Mukul Saran Mathur, Head of UIC Asia Regional Unit, International Union of Railways (UIC)

Multi-modal performance evaluation by Mr. Todd Litman, Executive Director, VTPI	Global experience in financing urban Mass Rapid Transit through PPP by Shri Anouj Mehta, ADB			Green economy policies in the transport sector - prospects and challenges by Shreekant Gupta, Board member CAI-Asia	Railway Development for Low Carbon, Green Growth in Korea by Jaehyun Park, Senior Researcher, Korea Railroad Research Institute (KRRRI)
Tbilisi Sustainable Urban Transport Project: Improved project design to better measure long term impacts by Mr. Arnaud Dauphin, Urban Development Specialist (Transport), ADB	Leveraging land value capture along the Mass Transit Corridor by Mr. Xavier Hoang, AFD			Pro-poor transport policy towards Green Economy by Geetam Tiwari, Indian Institute of Technology (IIT)-Delhi	
Q & A / Open Discussion	Q & A / Open Discussion			Q & A / Open Discussion	Q & A / Open Discussion
13:00 – 15:00	Lunch – Venue: Foyer Area and RXN Area				
PARALLEL SESSIONS (15:00 – 16:30)					
UMI 5A: Fare Integration for Seamless Travel	UMI 5B: Regional & Suburban Connectivity	Round Table 8: Time and Cost Overruns in Projects - Causes and Solutions	Round Table 9: Cycle Sharing	EST 5A: Green Freight and Co-Benefits	EST 5B: Sustainable Management of Two and Three Wheelers in Asia
Venue: Zorawar Session Chair: Shri S.K. Lohia, OSD(UT) and Ex-officio JS, MoUD Rapporteur: Ms. Priyanka Ganguli	Venue: Ashoka Session Chair: Ms. Naini Jayaseelan, Member Secretary, National Capital Region Planning Board Rapporteur: Shri Sharad Kumar Sharma	Venue: Talwar Anchor: Shri S. D. Sharma, Executive Director/Civil, DMRC	Venue: Mayur Anchor: Dr. Anvita Arora	Venue: Shamsher Session Chair: Ildefonso T. Patdu, Jr., Assistant Secretary, Department of Transportation and Communications-Philippines Facilitator: Cornie Huizenga Rapporteur: Simon Ka Wing Ng	Venue: Taber Session Chair: Sommad Pholsena, Minister, Ministry of Public Works and Transport-Lao PDR Facilitator: Charles Martin Melhuish Rapporteur: Bert Fabian
Case study of Taipei by Prof. Jason	Planning design and operation of			Strategies for green and energy efficient freight system in Asia – case of Green	Regulatory and institutional framework to control the driving forces of two-and-

Chang and Mr. Joe Wang (WANG, Ching-Yao)	suburban/regional services by Shri Naresh Chandra - MRVC			Freight Program in China by Sophie Punte, Executive Director, CAI-Asia	three wheelers by Anup Bandivadekar, International Council on Clean Transportation (ICCT)
Case study of Seoul and ADB's effort by Dr. Jin Young Park, Urban Transport Specialist, ADB	Integration of regional and city travel by Mr. Oren Tatcher, Principal, OTC Ltd.			GoGreen Program – Best practices in Asia and beyond by Björn Hannappel, Senior Expert, Deutsche Post DHL	New roadmap for motorcycle emission standard and fuel quality in Viet Nam by Duc Huu Do, Deputy General Director, Vietnam Register
Fare Integration for Seamless Travel in Singapore by Mr. Silvester Prakasam, Director, LTA-Singapore	Institutional administrative and legal issues by Shri OP Agarwal, World Bank			Discussion on the Declaration of Private Sectors on Green Freight towards a Green Economy	Cost-effective technology measures and financing options by Bert Fabian, Transport Program Manager, CAI-Asia
Q & A / Open Discussion	Q & A / Open Discussion			Q & A / Open Discussion	Q & A / Open Discussion

16:30 – 17:00

Tea/Coffee Break – Venue: Foyer Area

JOINT PLENARY SESSION 2: NMT – AN INTEGRAL PART OF THE URBAN PLANNING (17:00 – 18:30)

Venue: Zorawar

Session Chair: Mr. Daniel M. Nicer, Assistant Secretary, Department of Environment and Natural Resources-Philippines

Facilitator: Dr. Marie Thynell, Göteborg University

Rapporteur: Mr. Santhosh Kodukula, Urban Transport Specialist, GIZ-SUTP

17:00 – 17:15	Our cities ourselves: principles for transport in urban life by Mr. Michael Replogle, Global Policy Director and Founder, ITDP
17:15 – 17:30	Cycling as an essential element of livable cities - key design principles by Mr. Roelof Wittink, Director, Dutch Cycling Embassy
17:30 – 17:45	Innovative and pro-poor modal integration - integrating NMT into public transport system by Mr. Manfred Breithaupt, GIZ
17:45 – 18:30	Q & A / Open Discussion

19:45 onwards

Reception hosted by Delhi Development Authority (DDA) – Venue: Foyer area and RXN Area

Day 4 – Tuesday, 6 December 2011

JOINT PLENARY SESSION 3: INTELLIGENT TRANSPORT SYSTEMS FOR “BETTER CITY, BETTER LIFE” (09:00 – 10:30)	
Venue: Zorawar	
Session Chair: Dr. P.K. Sikdar, Vice President, IUT	
Facilitator: Mr. Silvester Prakasam, Director, Fare System Division, LTA-Singapore	
Rapporteur: Dr. Jane Rovira Romero, Policy Researcher/Transport Specialist, Institute for Global Environmental Strategies (IGES)	
09:00 – 09:15	Three pillars for ITS development: National vision, investment, strong government leadership by Mr. Stephen Ezell, Senior Analyst, Information Technology and Innovative Foundation (ITIF)
09:15 – 09:30	Moving towards the next generation Intelligent Transport Systems in Japan by Mr. Takahiko Uchimura, Vice President, ITS Japan
09:30 – 09:45	Implementing Intelligent Transport Systems in developing and developed countries– Shri Himanshu Bhatt, IBM
09:45 – 10:30	Q & A / Open Discussion
ADOPTION OF THE CHAIR’S SUMMARY (10:30 – 11:30)	
Venue: Ashoka	
Session Chair: Prof. Saugata Roy, Hon'ble Minister of State (Urban Development), Government of India	
10:30 – 11:30	Adoption of the Chair's Summary
11:30 – 12:00	Tea/Coffee Break – Venue Foyer Area
JOINT VALEDICTORY SESSION (12:00 – 13:30) – Venue: Zorawar	
12:00 – 12:05	Joint Announcement of the Ministry of Housing and Environment (MHE), and Ministry of Transport and Communications (MOTC) of the Republic of Maldives by Mr. Faruhath Ali, Deputy Minister, Ministry of Transport and Communications, Govt. of Maldives
12:05 – 12:10	Declaration of Private Sectors on Green Freight towards a Green Economy by Ms. Sophie Punte (CAI-Asia) and Mr. Kevin Bennett (SSCCAP)
12:10 – 12:35	Presentation of the summary of proceedings of the Conference by Prof. Sewa Ram, Head Transport Planning, School of Planning and Architecture, Delhi
12:35 – 12:45	Valedictory Address by Ms. Chikako Takase, Director, UNCRD/DESA
12:45 – 12:50	Launch of National Common Mobility Card by Hon'ble Shri Kamal Nath, Minister for Urban Development
12:50 – 13:00	Presentation of Urban Mobility Awards by Hon'ble Shri Kamal Nath, Minister for Urban Development
13:00 – 13:25	Valedictory Address by Shri Kamal Nath, Honorable Minister for Urban Development
13:25 – 13:30	Launch of UMI 2012 and Vote of Thanks by Shri B.I. Singal, Director General, Institute of Urban Transport (India)
CLOSING LUNCH (13:30 – 15:00) – Venue: Foyer area and RXN Area	
EST FIELD TRIP (15:00 – 17:00)	
A) Delhi Metro	
B) Delhi BRT corridor	
C) Operations Control Room (OCC) of the Delhi Integrated Multi-Modal Transit System Ltd.	