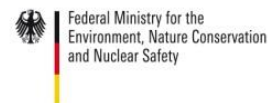




**Workshop on sharing experience in preparation of Low-carbon
Comprehensive Mobility Plans (LCMP) in Indian Cities**
Venue : Aangan Hall- The Lalit Laxmi Vilas Palace, Udaipur

22 -23 August 2013

Supported by:



based on a decision of the Parliament
of the Federal Republic of Germany

Background

India's transport sector is responsible for 14 per cent of the country's energy-related CO₂ emissions in 2010—and the accompanying impacts on air quality, public health, road safety, and sustainable urban development. In recent years, increased vehicle use has led to increased congestion, accidents, and local air pollution. If this trend continues, all of these problems will get worse.

By aligning development and climate goals, India can make its transport growth more sustainable. India's National Action Plan on Climate Change (NAPCC) outlines a combination of measures that can reduce transport CO₂ emissions, including increased public transit, more biofuel use, enhanced vehicle energy efficiency, and other initiatives. Building on the Indian government's on-going efforts to create a low carbon transport system, UNEP is implementing a project's to increase the cities' capacity to improve accessibility while lowering CO₂ emissions.

The goal will be attained through preparation of a methodology for Low-carbon Comprehensive Mobility Plans (LCMPs) and preparation of LCMP in Vishakhapatnam, Rajkot and Udaipur. The LCMP work is being carried out in close coordination with the Ministry of Urban Development, and implemented by UNEP Risø Centre, in cooperation with key local partners, including the Indian Institute of Management, Ahmedabad, the Indian Institute of Technology, Delhi, and the CEPT University and consultants for the three cities.

Objectives of the Workshop

LCMP work has been nearing completion in all the three cities and therefore the workshop aims

- i. To present the results from the three cities involved in the preparation of low-carbon comprehensive mobility plans (LCMP) and get feedback
- ii. To share experience on the applying methodology for preparation of LCMP and present a revised methodology (toolkit)
- iii. Invite MoUD and donor community (domestic financial institutions & multilateral financial institutions to discuss the financing opportunities for actions in the LCMP.
- iv. To look back what the outcomes from the cities mean in terms of national ambitions for reducing emissions from transport sector while improving accessibility.



ENERGY, CLIMATE
AND SUSTAINABLE
DEVELOPMENT



विद्याविनियोगादिकारसः
I I I M
AHMEDABAD



IIT Delhi



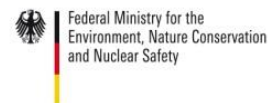
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Day 1 – 22August 2013

09:00 – 09:30

Registration

09:30 – 11:00

Inaugural Session

Chair : Ms. Kamala Ernest, UNEP

Welcome, Dr.Subash Dhar, URC

Inaugural address , Mr. R. K: Khurana, Chairman, UIT, Udaipur

Priority actions identified from LCMP in cities

- Rajkot (LCMP Co-ordinator, Rajkot) Ms. Alpana Mitra, RMC
- Udaipur (LCMP Co-ordinator, Udaipur), Dr. R P Sharma, Secretary, UIT
- Vishakhapatnam (LCMP Co-ordinator, Vizag) Mr. Ravi Gadepalli, iTrans

11:00- 11:15

Tea Break

11:15 – 13:00

Session 1: LCMP Methodology Revisited

Chair : Dr. R P Sharma, Secretary, UIT, Udaipur

Revised methodology for LCMP (Dr. Subash Dhar, URC)

Indicators and approaches used for measurement in 3 cities (Prof GeetamTiwari, IITD)

Indicators and approaches used for measuring mobility, accessibility and security of socially weaker sections in 3 cities (Prof Rutul Joshi, CEPT)

Indicators and approaches used for Air quality and Health in 3 cities (Dr.Sarath Guttikunda)

Discussion

- Lead Discussants: 1. Ms.Kanika Kalra, Institute of Urban Transport
2. Prof P R Shukla, IIM Ahmedabad

13:00 – 14:00

Lunch Break

14:00 – 15:15

Session 2 : Urban Design

Chair : Prof Geetam Tiwari, IIT, Delhi

Presentation of land use scenarios from the cities to show how land use changes can improve mobility, improve safety and reduce emissions

- Rajkot (CEPT) – Dr. Talat Munshi
- Udaipur (UMTC) – Ms. Shruti Mahajan/Mr. Ranjan J Dutta
- Vishakhapatnam (iTrans) – Dr. Anvita Arora

Discussion

- Lead Discussants: 1. Ms.Akshima Ghate, TERI UniversityDelhi
2. Mr. Rutul Joshi, CEPT, Ahmedabad

15:15 – 15:30

Tea Break

15:30 – 17:00

Session 3 : Non-motorised Transport (NMT)

Chair : Dr. Talat Munshi, CEPT

Presentation of NMT scenarios from the cities and analysis to show how NMT infrastructures can improve mobility, safety and reduce emissions

- Rajkot (CEPT) – Ms. Kalagi Shah/Mr. Kenny Joseph
- Udaipur (UMTC) – Ms. Shruti Mahajan/Mr Ranjan Dutta
- Vishakhapatnam (iTrans) – Mr. Ravi Gadepalli

Discussion

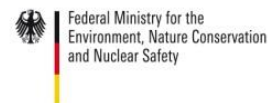
- Lead Discussants: 1. Mr. Manfred Breithaupt, GiZ
2. Prof.Geetam Tiwari, IITD



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Day 2 – 23 August 2013

09:30– 11:00

Session1: Public Transit

Chair : Mr. S. K. Lohia, Jt. Secretary, Ministry of Urban Development, GoI

Presentation of public transit scenarios from the three cities and analysis of how investments into public transit can improve mobility, safety and reduce emissions

- Rajkot (CEPT) – Mr. Kalagi Shah/Mr. Kenny Joseph
- Udaipur (UMTC) – Mr. Rajat Bose/Mr. Ranjan J Dutta
- Vishakhapatnam (iTrans) – Dr. Anvita Arora

Discussion

Lead Discussants: 1. Mr. Abhijit Sarkar, DIMTS
2. Dr. R.R. Kalaga, IIT Delhi

11:00- 11:15

Tea Break

11:15 – 13:00

Session 2: Technology

Chair : Prof Amit Garg, IIM, Ahmedabad

- Fuel Efficiency and vehicle technology in Delhi and Vishakhapatnam: Mr. Rahul Goel, IIT, Delhi
- Technology transitions under BAU and Fuel Economy scenarios, Dr. Subash Dhar, URC
- Energy Conservation in Transport, Col. S.C. Sharma, PCRA, Ministry of Petroleum & Natural Gas

Discussion

Lead Discussants: 1. Prof Dinesh Mohan, IIT Delhi

13:00 - 14:00

Lunch Break

14:00 – 15:30

Session 3: Financing for Urban Transport

Chair : Prof. Darshini Mahadevia, CEPT

Financing for the cities under JnNURM II, Mr. S. K. Lohia, Ministry of Urban Development

Financing options for urban transport projects – Mr. Ankush Malhotra, UMTC

NAMA and Climate Financing – Prof. P.R. Shukla/Dr. Subash Dhar

GiZ experiences with NAMA,. Mr. Manfred Breithaupt, GiZ

Discussion

Lead Discussants: 1. Prof Amit Garg, IIMA

15:30 – 16:00

Concluding Session

Round up of the workshop, Dr. Subash Dhar, URC

Valedictory Address: Ms. Rajni Dangi, Mayor Udaipur