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Country Presentation (India)

Critical Challenges Encountered

- ▶ Where ever land use pattern is well defined, change in land use takes time
- ▶ Equitable allocation of space for all transport modes on existing roads
- ▶ Land acquisition & resettlement of effected persons takes time
- ▶ Improve public transport's existing demand from available resources
- ▶ High volumes of traffic and urban population dynamics - resulted in high levels of air and noise pollution, traffic accidents
- ▶ Excessive increase in private / personal vehicles
- ▶ Lack of comprehensive fiscal strategies to check the increase of private/ personal vehicles noise pollution
- ▶ Exposure to emissions from vehicles, high air pollution
- ▶ Lack of dedicated tracks and segregation of traffic



Major Initiatives taken by Government of India

Policies	Plans	Schemes / Missions	Guidelines	Acts / Laws
<ul style="list-style-type: none"> National Urban Transport Policy National TOD Policy Sugamya Bharat Abhiyan Metro Rail Policy Auto Fuel Vision and Policy - 2005 National Road Safety Policy, 2010 	<ul style="list-style-type: none"> 12th Five Year Plan Comprehensive Level Benchmarks Urban Transport Planning & Capacity Building Scheme National Electric Mission Plan 2020 National Action Plan on climate change Efficient and Sustainable City Bus Service (ESCBS) Project 	<ul style="list-style-type: none"> Green Urban Mobility Smart City AMRUT mission Jn NURM FAME “Zero accident” scheme for Railways National Common Mobility Card Automatic Fair Collection systems National Air Quality Monitoring Programme National Noise Monitoring Programme Sustainable Urban Transport Project (SUTP) Make In India 	<ul style="list-style-type: none"> UDPFII Guidelines TOD Guiding Document Code of practice for Urban Roads Revised IRC codes PBS Guidelines UBS Introduction of BS-VI fuel standards Developing fuel economy standards National Air Quality Index (NAQI) 	<ul style="list-style-type: none"> Rights of Persons with Disability Act, 2014 Motor Vehicles (Amendment) Bill 2016 The Noise Pollution Rules and amendments 2010 Road Transport and Safety Act, 2014

Ground Achievements

- ▶ **Plans: 100+ CMPs and 90+ master plans** have already been prepared by various cities
- ▶ **Reforms:**
- ▶ Rajasthan, Madhya Pradesh, Andhra Pradesh, and Karnataka implemented UMTA with focus on landuse transport integration
- ▶ Parking Policy developed by several cities like Delhi, Pune, Bhopal, etc
- ▶ Delhi experimented with Odd- Even Scheme
- ▶ Implemented new national permit system across the country to facilitate inter-state movement of goods carriages
- ▶ **NMT:**
- ▶ Prioritizing pedestrians and cyclists - Chennai Corporation
- ▶ Development of Cycle Tracks - cities of Uttar Pradesh, Chandigarh, Gujarat, etc
- ▶ Promotion of pedestrian facilities - Raahgiri in many cities

Ground Achievements

► Public Transport:

- ❖ City Bus Service: 25,000+ buses sanctioned to 170+ cities
- ❖ BRTS: Approx. 620 km of BRT is under various stages of development across 16 cities.
- ❖ Regional Rapid Transit System (RRTS) for NCR
- ❖ Metro: 326 km operational in cities like Delhi, Kolkata, Mumbai, Bangalore, Gurgaon, Jaipur and Chennai.

► ITS:

- ❖ introduced in cities like Bangalore, Mysore, Mumbai, etc
- ❖ Buses/BRTS provided by Gol are equipped with ITS.
- ❖ Electronic toll collection implemented by NHAI across India.
- ❖ MoRTH has been facilitating computerization of more than 1000 Road Transport Offices across the country
- ❖ Driving License data is available on Sarthi web portal

Ground Achievements

- ▶ Fuel & Environment:
 - Fuel taxes levied and congestion pricing is being considered in cities like Jaipur, Shimla, Delhi and Aizwal
 - BS IV Auto Fuels Coverage to all Cities by 2017.
 - Introduction of BS VI fuel standards by leap frogging BSV.
 - Incentives to electric vehicles
 - No permit to Electrical and Cleaner fuel vehicles
 - Monitoring ambient air quality in the country at 332 operating stations
 - Graded Response Action Plan for Delhi
 - Promoting Low Carbon Transport in India in collaboration with The United Nations Environment Programme (UNEP)
- ▶ Initiated SUTP with Support from World Bank - GEF - UNDP:
 - Pimpri-Chinchwad BRTS
 - Naya Raipur BRTS & NMT
 - Hubli - Dharwad BRTS
 - Indore - ITS for BRTS
 - Mysore - ITS for City Bus Services
 - Mysore - Public Bike Sharing (PBS)
- ▶ Capacity building through IUT, SUTP and Centre of excellences.

Thank you...!!!