

# eSafety International Working Group Meeting

## eSafety Awareness Activities in India

Presented by:

Amitabh Bajpai, President

AITS – INDIA

10/20/2006

Towards New Horizons.....



# AITS Profile

**AITS India is an umbrella organization, which represents a spectrum of members including industry, government, consumer organizations, and academia with an aim to foster the development and deployment of intelligent transport systems in India.**

# Vision & Mission

**Vision :** “A future where people and goods are transported without delay, injury, or fatality by integrated systems that are built and operated to be safe, cost effective, efficient, and secure.”

**Mission :** ITS policy at National & Regional Level

# AITS Initiatives

- ✌ Meetings with senior level officials at various ministries
- ✌ Participation of all international ITS events to compare and analysis of India's ITS status
- ✌ Publishes regular bi-monthly ITS India News Magazine focuses on transport related issues in India.
- ✌ Hosted 7<sup>th</sup> Asia Pacific Conference & Exhibition on the theme of "TOWARDS NEW HORIZONS" where AITS has signed MOUs with ERTICO, ITS Taiwan & ITS Korea for development & deployment of ITS in India in the presence of Science & Technology Ministry & Urban Development Ministry.

Contd...



Writing white paper on ITS Development & deployment in India for Indian Government:

**“Opportunities for integrating ITS into Transportation Plans & Programme in India”**

**and**

**“Intelligent Transport System for Urban Area – Development and Application”**

Contd.....

# AITS Initiatives – contd.



**MOUs signed nationally & internationally for setting up ITS Centre of Excellence in India.**

- **National** : Central Road Research Institute (CRRI) & Delhi College of Engineering, New Delhi
- **International:** ITS Australia, BTIC (China) & Beihang University (China)

**(For further information, please visit our website: [www.itsindia.org](http://www.itsindia.org))**

# Today's Transport Problem in India

- ❖ Traffic Injuries & fatalities especially among pedestrians & motorcyclist
- ❖ Increasing ownership of private vehicles
- ❖ Congested roads for both motorized & non-motorized vehicles
- ❖ Environmental Pollution
- ❖ Roadways Congestion
- ❖ Overcrowded, uncomfortable Public Transport

# Major Problems



*These streets in Hyderabad, India, take all comers, all at*



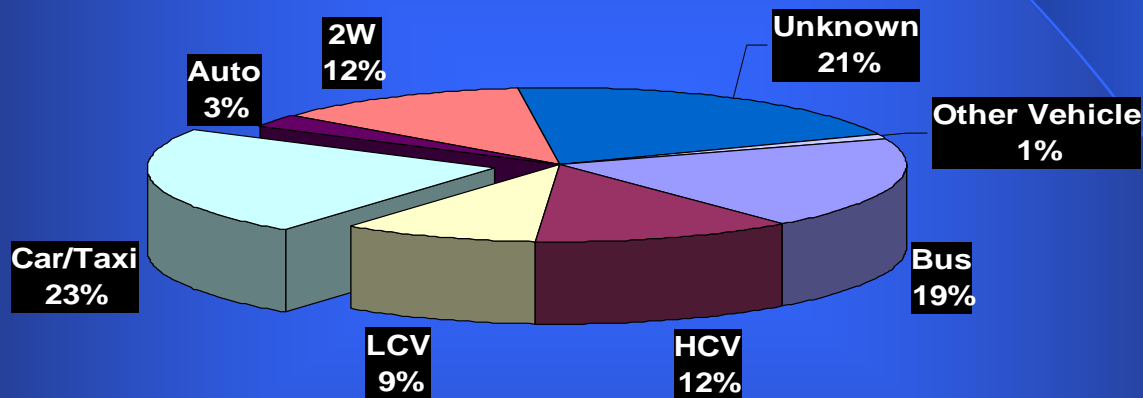
**Overcrowded public transport bus**



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# Types of Vehicles Involved in Accidents

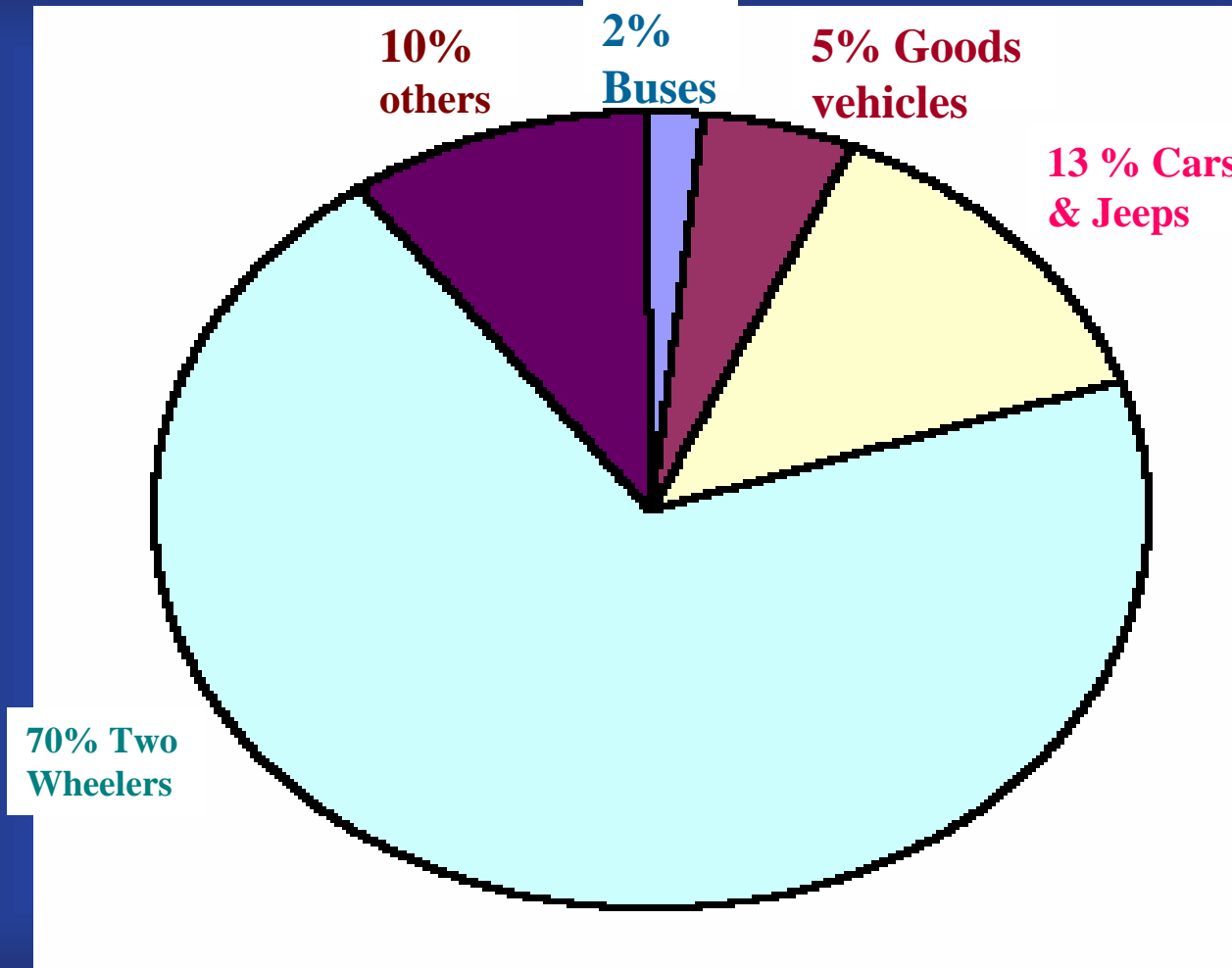


Source: Delhi Traffic Police

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# Vehicle Population



Source: MORTH

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# Specific Policies needed for India's Transport Crisis

- Separate way for Pedestrian & Cyclist
- Improved Traffic Management
- Improved Public Transport Services
- Privatization of Bus Services
- Improve Motor Vehicle Technology & Fuels
- Design New Roads
- Better Coordination with agencies, departments & ministries
- Large increase in funding

- ✎ **BMTC has implemented a GPS vehicle tracking system in 400 buses.**
- ✎ **Delhi's ATC system controls traffic signals at 48 junctions across the city.**
- ✎ **NRRDA has initiated OMMAS for infrastructure management.**
- ✎ **Electronic Payment System at DND flyover through smart card.**
- ✎ **Introduced Bus Rapid Transport System in Indore. Currently operating 37 buses.**

# ITS Activities in India – contd..

- ✌ Introduced 108 Emergency Response Service in 50 towns across Andhra Pradesh by EMRI.

# B R T S



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# Indore B R T S

- ↑ **Modern low floor buses**
- ↑ **Two broad doors which allows passengers to board and alight quickly and easily.**
- ↑ **Saving of time and fuel with better KMPL & EPKM**
- ↑ **Improved economy to private partners.**
- ↑ **44 sitting and 40 standing capacity.**
- ↑ **8 passengers can alight at a time.**

# Emergency Response Service in India

- ③ **Kotputli - Amer  
Section of NH 8**
- ③ **Noida Toll Bridge**
- ③ **Mumbai – Pune  
Expressway**



# Emergency Response System on Mumbai-Pune Expressway



- ✌ FOREIGN construction companies will be wooed by the government through road shows abroad to participate in the Public Private Partnership (PPP) for infrastructure development.
- ✌ UDM has taken some initiatives thru JNNURM programme to address transportation problem in the country.
- ✌ The Karnataka government has embarked on an ambitious project to issue “smart cards” to vehicle owners across the state by mid 2007.
- ✌ By 2007 project envisaging various ITS system including VMS, ATC and ATCC in Bangalore city (Project B TRAC 2010) for smooth traffic movement.

# INDIA'S STATISTICS

## IT SECTOR

- Today, the strength of the Indian IT industry lies in its skill at providing affordable services that support the innovation of other companies. With software exports growing at a rate of as much as 30 percent a year, the software industry is expected to account for 35% of India's total exports by 2008.
- India's advances in software technology are held in very high esteem in china. The scope of cooperation in the field of software and IT is immense. India is definitely leading in IT and that other countries can learn a lot from India.

# INDIA'S STATISTICS – contd..

## TELECOM SECTOR

■ The Telecom Sector has received national recognition as the key driver for development and growth. The performance of telecom sector has been widely acclaimed.

■ Today, India's telecom network with more than 100 million telephones is one of the largest in the World and second largest among the emerging economies of Asia

# EU-India eSafety Cooperation

EU-India eSafety Cooperation agreement signed with the aim of improving road safety and efficiency of transportation systems in India through a close cooperation between European and Indian stakeholders defining key issues for the deployment of intelligent transport systems and services and in particular intelligent vehicle safety systems (eSafety) in India.

# Why eSafety for India

- Reduce number of accidents, deaths and injuries
- Safe and efficient Transport required for continued economic growth
- Improve quality of life
- Apply advanced IT & Telecom knowledge to transport sector

# Priority areas identified for ITS Development in India

- **Traffic Management System**
- **Traveller Information System**
- **Emergency Management System**
- **Public Transport**
- **Electronic Toll Collection**
- **Commercial Vehicle Operation**

# eSafety workshops

## PAST EVENTS

- ★ As a part of EU-India Co-operation AITS India along with ERTICO has launched eSafety programme in India on 2<sup>nd</sup> March 2006.
- ★ European and Indian stakeholders Meet in Brussels on 1 & 2 June 2006 to strengthen ITS cooperation.

# eSafety workshops – contd.

## NEXT EU-INDIA EVENT

EU-India Cooperation will be holding eSafety conference on 1 & 2 February 2006 in New Delhi.

### Conference Goals:

- ★ To showcase ITS technologies & research activities from EU & India
- ★ To explore future ITS EU-India Cooperation

Interested organizations may please contact:

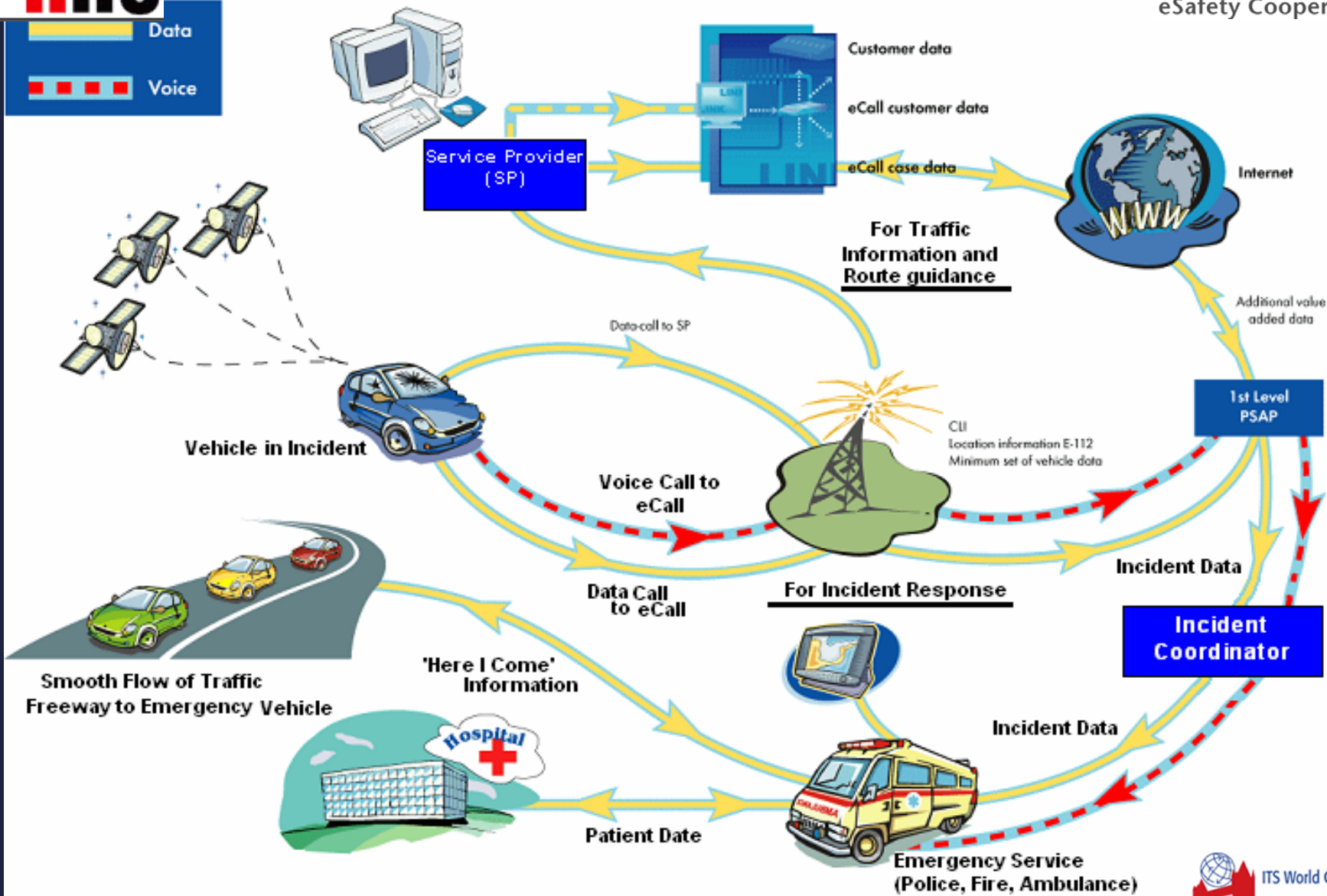
☞ In India - [coordinatorindia-eu@itsindia.org](mailto:coordinatorindia-eu@itsindia.org)

☞ In Europe - [p.prajapati@mail.ertico.com](mailto:p.prajapati@mail.ertico.com)  
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# Recommendation

The following areas have recommended for demonstration projects to showcase ITS solutions:

- ① Emergency Response Service at National level
- ② Traffic Information Centre at National Level





# THANK YOU

**Amitabh Bajpai, President**

**AITS India, New Delhi**

**Email : [amitabhajpai@itsindia.org](mailto:amitabhajpai@itsindia.org)**

**Website: [www.itsindia.org](http://www.itsindia.org)**