



# Sustainable Urban Transport Project (SUTP)

Moving people and not vehicles

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**Project Undertaken  
Strategy for identifying and mitigating  
accidents in  
Delhi Transport Corporation**

# AGENDA

## Capacity Building Programme LUPT 1<sup>st</sup> Batch

- Introduction – 2011-2012, 1<sup>st</sup> Batch
- Program learnings
- Utilization of experience gained
  - Proposed any project, policy, immediate action taken (letters shared, made proposals)
  - Initiated any project
  - Participated in any other workshop
- Any projects/proposal (you wish to propose to Central govt.)



# INTRODUCTION

## Objectives

The objectives of the study undertaken by me on the topic **'Strategy for identifying and mitigating accidents in Delhi Transport Corporation'** were as under:-

- To study the growth of vehicles in India, in Metropolitan cities and in Delhi in relation to accidents with in-depth study of all accidents took place in last 5 years involving vehicles of Delhi Transport Corporation (DTC).
- To carry out analysis of accidents on the basis of Object of collision, Visibility, Driver's age group, Accidents by week days, Bus wise accidents, Time/Seasonal effect, Road condition/Geometry.
- To provide useful suggestions to reduce the accidents and ensure safety.



# INTRODUCTION (CONT.)

The purpose of the study was undertaken was as under:-

- **Expected Outcome:** Remedial measures, conclusions and recommendations to minimize the accidents
- **Research based project or live project:** Research related to agency work
- **Present status of the project and the future scope:** The report has been submitted to higher authorities of my organization and is being implemented and desired results have been achieved.



# PROGRAM LEARNINGS

During the course of LUTP (Ist Batch) the undersigned got exposure to:-

- Theoretical as well as practical exposure of national and international urban transport planning and related fields.
- During contacts programme at CEPT University, Ahmadabad, the theoretical aspects of the urban transportation were taught.
- The field visit to Seoul and Singapore the actual and practical aspect of operations, maintenance and planning of transportation systems in these countries were observed.



# UTILIZATION OF EXPERIENCE GAINED

- The 41 conclusions, recommendations and remedial measures given in my project work undertaken during LUTP (Ist Batch) are being implemented in my organization.
- The results were positive.
- The main emphasis was on regress training, counselling, incentives and analysis of each and every accident.
- As a result there is decreasing trend in the fatal as well as total number of other accidents, involving DTC buses.



# FATAL ACCIDENTS

S. No.	Years	No. of Fatal Accidents
1.	2011-12	73
2.	2012-13	67
3.	2013-14	63
4.	2014-15	37




# TOTAL NO. OF ACCIDENTS

S. No.	Years	Total No. of Accidents	Accidents per lakh Km.
1.	2011-12	264	0.07
2.	2012-13	251	0.07
3.	2013-14	225	0.07
4.	2014-15	140	0.06





# INFERENCE

- If we compare the fatal accidents as well as total accident data from financial year 2011-12 to 2014-15, it will be observed that there is remarkable decreasing trend in fatal accidents as well as total accidents involving DTC buses.
  - DTC has been adjudged the safest transport among all Urban State Transport Undertaking of India and given “**Road Safety Award**” for lowest accident record for the year 2010, 2011, 2012 and 2013 continuously by Ministry of Road Transport & Highway, Govt. of India
  - DTC is continuously straining to improve its safety record. This has been achieved as DTC is serious in this regard and has taken several steps such as monitoring of speed through GPS, **imparting training to drivers** to enhance driving skills, counselling by Regional Managers/Depot Managers for safe driving, strict disciplinary action against rash and negligent drivers & training by DTC along with Delhi Traffic Police on observance of traffic rules and other safety aspects.
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## PROPOSED ANY PROJECT, POLICY, IMMEDIATE ACTION TAKEN (LETTERS SHARED, MADE PROPOSALS)

- The report on the project was submitted to Senior Authorities of DTC and same was implemented in DTC as a result, it has been observed that there is drastic decrease in the number of fatal as well as major, minor and insignificant accidents.
- The main steps taken were:-
  - Counselling
  - Special module for drivers involved in Fatal accident
  - In house films on accidents were produced.
  - Training
  - Checking on line.
  - Use of IT.
  - Involvement of other stakeholders.



## DETAILS OF TRAINING CONDUCTED AT DTC TRAINING SCHOOL DURING THE PERIOD FROM JANUARY 2015 TO JULY 2015

S.No.	Name of the Training Programme	No. of employees trained
1.	Two- day refresher course for drivers	5486
2.	Two-day refresher course for conductors	5271
3.	Two-day training for cont. drivers by UTCS	444
4.	Four-week induction training for cont. drivers	191
5.	Two-week induction training for cont. conductors	349
6.	Two-day refresher course for Licence renewal of drivers	1409
7.	One- day training by Modi care foundation on Gender Sensitization for Drivers during refresher course	556
8.	One-day training by Modi care foundation on Gender Sensitization for conductors during refresher course	656
9.	Five –day training for low floor bus driving	292
10.	Spl. Training for drivers by Delhi Police on road safety during refresher course	2806
11-	Training to Home Guards deployed in DTC buses on general sensitization	1118
12.	One day capsule course for drivers	107
13.	Training on HIV/ AIDS by AIDS Control Society	832

## PARTICIPATED IN ANY OTHER WORKSHOP

- Regular in touch with various urban transport organizations like IUT, SUTP, CSE etc. and taking active part in their activities on Urban Transport Management and Planning.
- Certified instructor/Faculty with IUT and regularly organizing programs on Urban Transport Management for City Officials.
- Arranged large number of visits for international urban transport institutes from US, South Africa, Egypt, Afghanistan to DTC regarding implementation of CNG bus operation at commercial scale.
- Actively involved in all important activities on Urban Transport Management.



# ANY PROJECTS/PROPOSAL

- The growing needs of public transport in Delhi are increasing day by day on account of population increase and the urban sprawl. The growth of Delhi is being accompanied by abnormal vehicular growth. There is an increase in the number of accidents and hence there is a for safety measures to control the same. Therefore, the **purpose of my project is to find solutions to the traffic accidents.**
- Data was analyzed based on the primary and secondary data collected. Data constituted of Office Order/Circular issued in DTC from time to time, statistics on accidents available, operational statistics of DTC for last 5 years, policy of Govt. of NCT of Delhi and DTC, including review of literature on accidents published by various Government Departments, NGO's and Educational Institutes.
- The remedial measures to minimize the accidents were given after the analysis of the data which are utilized to mitigated and resolve in coordination with my department in reducing accidents.



## ANY PROJECTS/PROPOSAL (CONT.)

- Keeping in view the above, one of the state transport undertaking where the rate of accidents is very high can be selected and the recommendations in my report can be implemented with the objective to reduce the accident rate to minimal.
- I volunteer my services into this project subject to the condition permission granted by my organization.
- With the above recommendations even if one life is saved, will be great contribution.





THANK YOU

