E-RICKSHAWS: THE FUTURE IN INDIAN CITIES
ROLE OF E-RICKSHAWS IN CITIES

- Feeder Service to Public Transport in Metro Cities
- Public Transport in Small & Medium Towns
- Mode of transport for Tourist places
EXISTING SITUATION

E-rickshaws in Amritsar

E-rickshaws in Agartala

E-rickshaws in Kanpur
KEY FEATURES

- Eco-friendly
- Unregulated System
- IPT Mode
- Rapidly increasing number of e-rickshaws
PASSENGER ISSUES

- Overloading (27%)
- Lack of Safety (30%)
- No Parking/ Boarding Space

E-Rickshaw parked along road side
Overloaded e-rickshaws
E-rickshaws stopping in middle of roads to board passengers
PROBLEMS

- Absence of Regulatory Framework for e-rickshaws
- No Economic Stability for drivers
- Lack of Social Benefits for the drivers
- Lack of Financial Support

E-rickshaws in Delhi
E-rickshaws in Agartala
E-rickshaws in Kanpur
PROBLEMS

Infrastructure facilities Missing (Parking, no charging stations etc.)

Lack of usage of Modern Technology (ITS)

Outdated Vehicle Technology

Lack of Self Owned e-rickshaws

No institution for e-rickshaws

Parking on road sides: Roorkee

Poor condition of e-rickshaws in Kanpur

Lack of charging points: Delhi
FUTURE AREAS OF IMPROVEMENT
Economic Stability to drivers

- Cheaper/ subsidised loans
- Rent Fixation
- Optimum Fare Structure
- Providing Social Security under different schemes
- Setting-up of Local Repair Workshops
- Higher revenue through advertisement, aggregator model etc.

Regulatory Measures

- Registering optimum no. of e-rickshaw in a city
- Strong Enforcement of rules
FUTURE VEHICLE TECHNOLOGY

- GPS
- Control Room
- E-challans
- Panic Button

Future technologies like solar e-rickshaws
Wireless and turbo charging
Use of lithium-ion batteries
Hybrid e-rickshaw
Social Benefits to Drivers
(Available schemes)

- Pradhan Mantri Suraksha Bima Yojana
- Pradhan Mantri Jan Dhan Yojana
- Atal Pension Yojana
- Sarva Siksha Abhiyan
- Provision for Free medical check-up
- Setting up of e-rickshaw unions

Institutional framework
Like Special Cell
(Suggested Functions)

- Regulation
- Assisting in providing social benefits
- Driving skill & education
- Providing Infrastructure
- Monitoring system
- Providing various revenue options
- Introducing NewTechnology
INFRASTRUCTURE FACILITIES

- Stands Facilities
- “Halt and Go” Stands
- Night Parking

- Providing integrated charging points for alternate modes
- Regulating Vehicle Parking away from junctions
THANK YOU