

# BUS AND CAR OPERATORS CONFEDERATION OF INDIA



Presentation on  
Promotion of E-Mobility in Private sector by Bus & Car Operators Confederation of India

# Challenges in adoption of Electric mobility



## Awareness & Availability

- Awareness amongst Private Bus Operators
- Absence of proof of concept
- Show rooms of OEM to display products
- Ready availability of buses
- Uncertain delivery time

## Legislative

- Policy on Electric vehicle differs from state to state
- MV Tax rate differs state wise
- MV Permit rules differs from state to state

Regulation



# Operating challenges in adoption of electric mobility



## Operating

- Range anxiety
- Long term after sales service assurance by OEM
- Availability of spares in open market
- Shortage of trained Manpower

## Financial

- Difficult to raise Debt & Equity
- Interest rates on debt are high
- Period of repayment is short
- Uncertainty of resale value



# Infrastructure challenges in adoption of electric mobility



## Absence of Infrastructure

- Getting electric connection of required KW Power takes long time & is an expensive affair.
- Absence of common parking spaces to put up charging infrastructure
- Rate per unit varies from place to place ( at some places commercial or Industrial rate is charged )
- Type of charger is not common for all buses.



# Solution



- ▶ Run countywide awareness campaign amongst Private bus Owners
- ▶ OEM shall open experience centers cum showrooms at India's top 20 big cities
- ▶ Uniform EV Permit & taxation Policy across country with defined per unit rate.
- ▶ OEM to provide written assurance of performance & AMC rates for at least ten years.
- ▶ Trained Manpower for EV
- ▶ Standardisation in charging infrastructure
- ▶ At Parking lots & STU premises development of common charging infrastructure
- ▶ RBI should bring in E Bus lending under priority
- ▶ Common forum for meeting of green funds with bus operators to bring in equity
- ▶ Financial assistance by Central & State Government
- ▶ Tax & Toll waiver or rebates







Thank  
You!



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