Case Study: E-Mobility including Last Mile Connectivity in New Town

The rise of modern cities is linked to advancements in mobility options. New Town Kolkata, a planned city has an excellent network of streets and private and public buses ply on the major roads. The city has well laid out hierarchy of road network to ensure good connectivity to all parts of the city and multiple modes of transportation.

New Town has introduced Smart Electric Buses for pan city mobility and Electric Vehicles – ToTos – for last mile connectivity.

Replacing a diesel bus with smart electric bus has an annual impact of –

INR 1 Million Worth of Diesel Saved

Planting 2400 Trees

The City has planned strategies to achieve the Sustainable Mobility objectives of reducing dependence on private vehicles, ensuring barrier free, walkable city with efficient last mile connectivity options for Public Transport, managed through intelligent traffic & parking management system. The city in addition to electric buses has over a 1000 ToTos providing sustainable last mile option to the citizens.

The electric buses introduced in New Town have features like Intelligent Transport System (ITS), Air Conditioning and Wi-Fi entertainment that provides a comfortable user experience along with sensors that can reduce or eliminate blind spots for the

To encourage the use of sustainable means of transportation options, the city is encouraging the use of e-Vehicles. For the purpose the city has installed electric vehicle charging points at multiple locations.

Key Benefits of Electric Vehicles:

Zero emission and healthier environment ensured

No noise, ensuring lower sound pollution

Greater safety for passersby through sensors and cameras

Lower operating cost vis-a-vis diesel buses

Wi-fi provides superior experience to users

Going forward, the city proposes to increase the use of Electric Buses and increase the number of routes where ToTos ply.

Additionally, to encourage the use of electric vehicles, the city proposes to introduce more charging points.