

Deployment of Electric Mobility Corridor in Lumbini Province



Town Development Fund



Background

The proposed greenfield project aims to establish an electric mobility unit that will develop and operate an integrated and sustainable public transport system within Lumbini Province. The project aims to promote sustainable, reliable and efficient bus transport services by transitioning from fossil fuelled buses to electric buses, reducing fossil fuel consumption, greenhouse gas (GHG) emissions and air pollution within the bus transport sector in Lumbini province. With the province being developed as a major tourist and religious centre, the service route for the electric buses will service the major landmarks in the province.



Sector

Transportation & Urban Development



Location

Kapilvastu, Banganga, Sainamaina, Siddharthanagar, Butwal and Lumbini province



Route Length

173 km

Salient Features

- Pilot Public Transport route length 137 km
- Currently Seven beneficiary municipality

Project Rationale

- Enhance electric vehicle mobility with fast and reliable charging options
- Reduce private vehicle use and boost appeal for public transportation
- Reduce CO2 emission, air and sound pollutions and traffic congestion
- Provide affordable and efficient transport for urban areas

Project Components



Bus stops



Electric Buses



E-Bus Parking



Terminal Buildings



Charging Stations

Project Outcomes



Availability of Affordable Transportation



Quality Standard of Vehicles



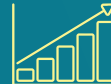
Reduced CO₂ Emission



Reduced Traffic Congestion



Sustainable Transport Development



Economic Growth

Estimated Project Cost

 **29.15**
Million

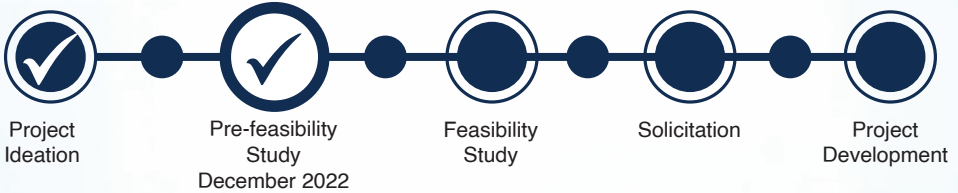
Project Implementation Modality



**Public Private Partnership
(PPP)**

**Build Operate Transfer
(BOT)**

Project Implementation Timeline



Relevant Agencies

- Town Development Funds (TDF)
- Government of Lumbini Province

About the Agency

Town Development Funds (TDF) is an autonomous financing institution established with a long-term institutional objective of becoming a self-sustaining and complementary part of intergovernmental fiscal transfer system. The TDF is the only financial autonomous intermediary institution in the country presently providing debt financing to local governments. Local governments in Nepal, especially municipalities and fast-growing emerging towns, are its main clients. TDF finances long-term urban infrastructure development projects through its loan and grant funding.

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