



Electric Bus Rapid Transit System in Kathmandu Ring Road



Government of Nepal
Investment Board Nepal



Background

The Electric Bus Rapid Transit System proposed along the Kathmandu Ring Road aims to address the urban transportation challenges in the valley by offering a sustainable, cost-effective mass transit solution. With a fleet of at least 70 electric buses, the initiative is going to be a breakthrough project that enhances accessibility, reduces travel times, and aligns with sustainable urban development goals



Sector

Transportation



Location

Lalitpur and Kathmandu Districts
Bagmati Province



Proposed Length

27.3 kilometers

Project Rationale



Offers cost-effective mass transit solution, reducing congestion and usage of private vehicles



Enhance accessibility and travel efficiency, reducing travel time for commuters



Promote environmental sustainability through electric buses, mitigating air pollution



Aligns with sustainable development goals, contributing to Nepal's commitment to combat climate change



Establishes the foundation for a sustainable long-term transportation vision for the Kathmandu Valley, focusing on both environmental preservation and economic sustainability

Salient Features



Serve an estimated passenger patronage of 154,545 - 240,215



Employs electric buses for environmentally friendly public transportation



The transit system spans 27.3 km with a 50 m width and includes a 2.2-hectare bus terminal along Kathmandu's Ring Road

Project Components



Electric Vehicle
(70 electric buses)



Two dedicated
lane on center

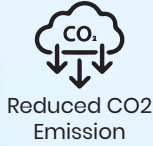


Charging
Stations



Modern Bus Terminal and
Stations (26-30 bus stations)

Project Outcomes

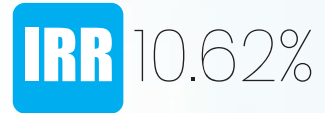


Estimated Project Cost



(1 USD = 112.57 NPR, as of 2019)

(Information is based on Pre-feasibility Study conducted in 2019)



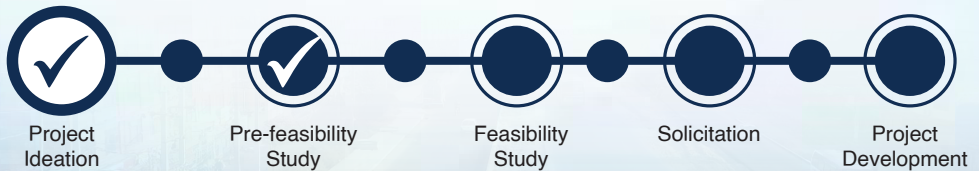
Project Implementation Modality



Public Private Partnership
(PPP)

Build, Operate and Transfer
(BOT)

Project Implementation Timeline



Relevant Agencies

Investment Board Nepal
Ministry of Physical Infrastructure and Transport
Kathmandu Metropolitan City Office
Lalitpur Metropolitan City Office

About the Agency

The Investment Board Nepal (IBN)

IBN is a high-level government body chaired by the Right Honorable Prime Minister, that serves as a facilitator for both domestic and foreign investments in Nepal. Its primary objective is to create an investment-friendly environment by mobilizing and managing domestic as well as foreign investments to promote investment across different sectors through a transparent and efficient process. Being guided by the Long-term Vision (2043), the 15th Plan, international commitments such as Sustainable Development Goals and other subsequent policies of the Government of Nepal, IBN has been developing credible and bankable projects to garner investment.

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