



Multi-Layer Vertical Parking at Patandhoka, Jawalakhel & Lamachaur



Lalitpur Metropolitan City



Background

Metropolitan cities have jurisdiction over public parking resources and can determine how to best manage these parking facilities. Unmanaged parking causes congestion, accidents, environmental pollution, and obstruction to fire-fighting operations. The proposed project for the construction of multi-layered vertical parking at Patandhoka, Jawalakhel and Lamachaur will cater to the needs of vehicular parking. It intends to improve the overall parking condition by providing better services, limiting the flow of vehicles into the core area and reducing the number of vehicles parked at roadside.



Sector

Transportation



Location

Patandhoka, Jawalakhel & Lamachaur
Lalitpur Metropolitan City, Bagmati Province



Land Area

11,285 square feet

Salient Features:

- Number of sites: 3
- Parking Towers: 8
- Vehicle Platform per Tower: 12
- EV charging stations: 6
- Structural life is more than 50 years

Project Rationale:

- Improve parking services and promote vertical structures
- Limit vehicle entry into core areas; reduce on street parking
- Transition from on- parked to off- parked vehicle arrangements
- Enhance traffic flow and road safety
- Increase convenience with strategic parking placements

Project Components



Parking Towers



EV charging stations



Public Toilet



Electrical room



Signboard



Security room



Trees Plantation

Project Outcomes



Reduction of on-street/
roadside parking



Managed parking
locations



Reduction in
Accidents

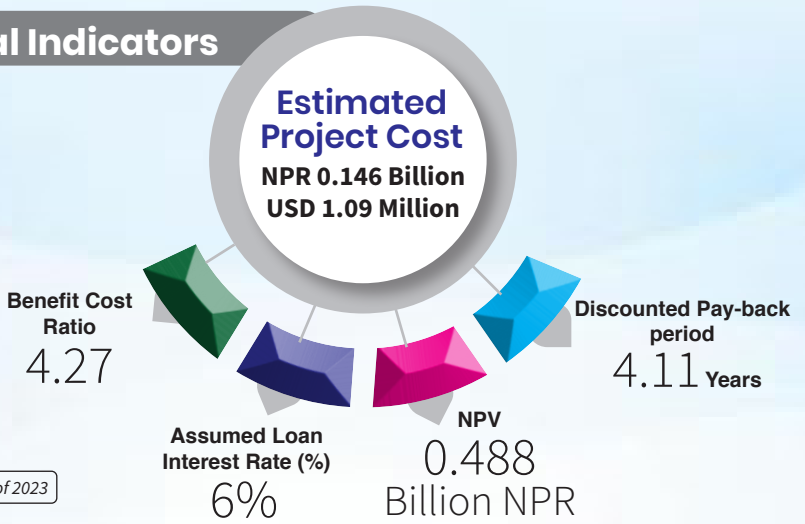


Smooth
Traffic Flow



Economic
Growth

Financial Indicators



(Information is based on Feasibility Study report prepared in 2023)

Project Implementation Modality



Public Private Partnership (PPP)

Project Implementation Timeline





Relevant Agencies

- Ministry of Urban Development
- Lalitpur Metropolitan City Office
- Investment Board Nepal
- Public Transportation Authority

About the Agency

Lalitpur Metropolitan City (LMC) is a metropolitan city and fourth most populous city of Nepal with 294,098 inhabitants living in an area of 37.4 square kilometres. It is located in the Kathmandu Valley, bordering the capital city Kathmandu along with Bhaktapur. Lalitpur is considered one of Nepal's oldest cities alongside Kathmandu and Bhaktapur, renowned for its temples, art, and heritage. Originally known as Yupagram during the Lichchavi period, it has undergone several administrative changes over the years, evolving into a metropolitan city in 2016 AD. Lalitpur flourished culturally during the Malla period and is now known as the "City of Fine Arts".

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