

# Malekhu-Lothar Road and Tunnel



Government of Nepal  
**Ministry of Physical Infrastructure  
and Transport**



## Background

The proposed project will be an alternative alignment of the existing Malekhu - Mugling – Narayangadh Highway, shortening the road that connects Chitwan and Dhading districts. Currently, Chepang Marga, a feeder road exists from Malekhu to Bhandara. This project is designed to construct Malekhu-Lothar (ML) tunnel with upgrading existing road and construction of new road sections.

The proposed project will upgrade the existing earthen track to two lane paved road where possible from Malekhu to Gogney Khola, from Gogney Khola to Lothar Khola crossing construction of a new 3 km long tunnel and a new two-lane paved road to Mahadevtar.



**Sector**  
Transportation



**Location**  
Malekhu, Dhading  
Lothar, Chitwan



**Proposed Length**  
41 Km

### Salient Features:

- Existing Earthen Road improvement (16.0 km)
- New road construction (22.0 km)
- New bridge construction (446 m)
- Tunnel construction (3.0 km)
- Access Controlled Road

### Project Rationale:

- Provide a shorter alternative route for Malekhu - Mugling – Narayangadh Highway by 80 kms
- Improve existing road networks
- Increase convenience by constructing new 2 lane roads
- Enhance accessibility and reduce travel distance

## Project Components



Tunnels



Road pavement  
and drainage



Bridges



Culverts



Street  
Furniture

## Project Outcomes



Higher Vehicle  
Speeds



Improved Riding  
Quality



Vehicle Operating  
Cost Saving



Reduced Travel  
Time



Improved Road  
Safety

# Financial Indicators

## Estimated Project Cost

NPR 8.83 Billion  
USD 80.3 Million



Economic IRR  
21.48 %



Economic NPV  
NPR 15.35 Billion

(1 USD= NPR 109.95 as per 2019)  
Discount Rate = 9%

(Information is based on Detail Design Study report prepared in 2019)

# Project Implementation Modality



**Public Private Partnership  
(PPP)**

# Project Implementation Timeline





## Relevant Agencies

- Ministry of Physical Infrastructure and Transport
- Department of Roads

## About the Agency

### Ministry of Physical Infrastructure and Transport

The Ministry of Physical Infrastructure and Transport (MoPIT) is the government body of Nepal dedicated to integrating various geographic and economic regions to foster the economic and social development of the country by prioritizing the construction of road, rail, and water transport infrastructure. The ministry aims to ensure the appropriate development of the national transport system, focusing on connecting rural areas with markets, fostering economic activities, and overseeing various economic sectors such as tourism, agriculture, and electricity production. Facilitating and coordinating various activities and projects related to infrastructure and transportation is the primary function of MoPIT.

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