

नेपाल सरकार

भौतिक पूर्वाधार तथा यातायात मन्त्रालय

सडक विभाग

गुणस्तर अनुसन्धान तथा विकास केन्द्र

सिद्धबाबा सुरङ्गमार्ग योजना

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Government of Nepal
Ministry of Physical Infrastructure and Transport

Department of Roads

Quality Research and Development Centre

Siddhababa Tunnel Project

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Salient Features of the Siddhababa Tunnel Project

- **Scope of Works:** Planning, Design, Engineering, Procurement, Construction, Commissioning and Five Years of Service Operation and Maintenance of One Double Lane Standard Highway Tunnel, Rock shed Structure on the existing Highway, Rock Fall Mitigation and Road Rehabilitation Works of Siddhababa Tunnel Project on Engineering Procurement Construction (EPC) basis.
- **Contract no.:** DOR_QRDC/EPC/ICB/STP/077/78-05
- **Employer:** Government of Nepal, Ministry of Physical Infrastructure and Transport (MOPIT), Department of Roads.
- **Implementing Agency:** Quality Research and Development Center, Siddhababa Tunnel Project Office, Butwal.
- **Technical Assistance:** Swiss Development Cooperation (Consultant: PINI SMART ENGINEERING)
- **Estimated Amount:** 9,40,09,12,330.35 (including VAT, Contingency and PS)
- **Contractor's Name:** M/S China State Construction Engineering Co. Ltd, No.15, Sanlihe Road, Haidan District, Beijing, China.
- **Contract Agreement Date:** March 9, 2022 (२०७८/११/२५)
- **Contract Amount:** Rs. 7,34,21,04,734.14 (including VAT & PS)
- **Contract Completion Date:** March 22, 2027 (२०८३/१२/०८)
- **Financing Source:** Government of Nepal.

Major Work Details:

- **Main Tunnel Length:** 1126 m (1089m excavation, 37m cut and cover), Width (Standard Section): 9.9m Height: 11.5 m, Lane: 2, Design working life of tunnel: 100 yrs, Design speed: 60km/hr, Traffic type: Single hole two- way two- lane, Tunnel Excavation method: Drilling and Blasting
- **Bypass/ Evacuation Tunnels:** 3 nos, Total length of 431m (Bypass 1=150m, Bypass 2=161m, Bypass 3=130m), Width: 3.43m, Height: 4.4m
- **Road Length Improvement:** 2398m. (Main Road-1(towards Butwal): 904m + 944m Tunnel section + Main Road-2 (towards Palpa): 550m)
- **Rock shed Length:** 780 m, Width: 5m, Height: 5m, Design working life of Rockshed: 100 yrs
- Two Technical buildings, two helipads, power supply from national grids, lighting and ventilation with sensors, 24 hours surveillance system: video-surveillance, fire detection, control room, communication network, radio system, emergency telephone system.
- **Rock shed in high hazard section (high risk of rock-fall):** Inner Dimension: 5m * 5m with 780m length.

Progress Review :

- **Physical Progress:** 40.18 %

Financial Progress: 39.90 %, including 10% Advance Payment, till 21st January 2025

- Construction of Tunnel portal start Date: 2080 Jestha
- Tunnel Excavation start Date: 2080 Poush
- Tunnel Excavation through Blasting Started at: 2081/02/13
- **Breakthrough Date:** By-pass 1: 2081/06/04
2081/09/07

By-pass 2:

By-pass 3: 2081/05/26

Main Tunnel:

2081/10/11

