



Government of Nepal
Ministry of Physical Infrastructure and Transport
Department of Roads

SIDDABABA TUNNEL
BUILDING TUNNEL, PROTECTING LIVES

3D MODEL NORTH AND SOUTH PORTAL



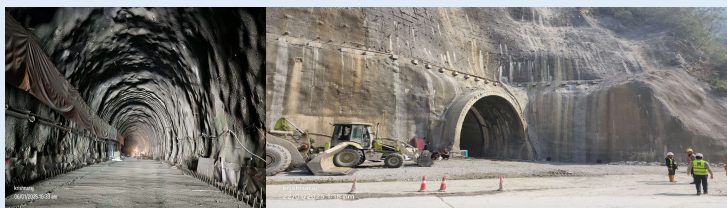
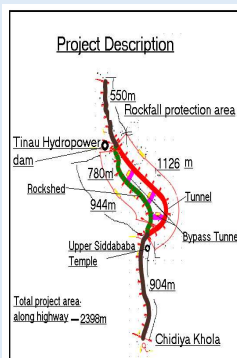
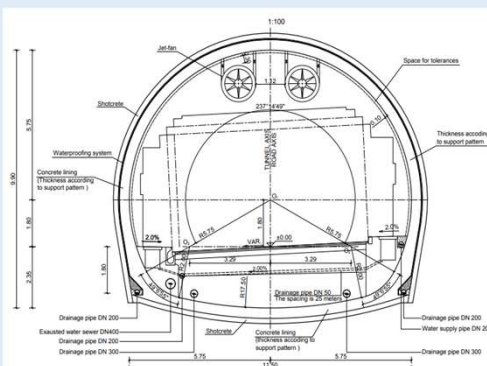
CONTRACT DETAILS					
PROJECT	Planning, Design, Engineering, Procurement, Construction, Commissioning and Five Years of Service Operation & Maintenance of One Double Lane Standard Highway Tunnel, Rock shed Structure, Rock Fall Mitigation and Road Works of Siddababa Tunnel Project on Engineering Procurement Construction (EPC) basis all complete.				
CONTRACT	DOR_QRDC/EPC/ICB/STP/077/78-05				
EMPLOYER	Siddababa Tunnel Project, Quality Research and Development Centre, Department of Roads, Ministry of Physical Infrastructure and Transport				
TECHNICAL ASSISTANCE	SWISS AGENCY FOR DEVELOPMENT COOPERATION (SDC), PINI SMART ENGINEERING				
CONTRACTOR	M/S China State Construction Engineering Co. Ltd. No. 15, Sanlihe, Road, Haidan District, Beijing, China (CSCEC)				
PROJECT MANAGEMENT CONSULTANT	M/S ERM-CONGMA-DONGSUNG JV, New Baneshwor, Kathmandu				
DATE OF AGREEMENT	DATE OF COMMENCEMENT	PHASE I: EPC WORKS	PHASE II: WARRANTY O&M WORKS	DLP PHASE	
				DLP	LATENT DLP
March 09, 2022	March 23, 2022	1825 Calendar Days	1825 Calendar Days after PHASE I	1825 Calendar Days after PHASE I	1825 Calendar Days after PHASE I

ENGINEERING, PROCUREMENT AND CONSTRUCTION CONTRACT

NEED OF THE TUNNEL



- Prevent Life and Property Loss
- Minimize Road Closures
- Provide All Weather Connectivity
- Technology Transfer



- **Financing Source:** Government of Nepal.
- **Main Tunnel :** Length- 1126 m. (1089m excavation, 37m cut and cover, Width- 9.9 m (Standard Section), Height: 11.5 m, Lane: 2 , Ventilation with jet fans.
- **Road 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.
- **Bypass/ Evacuation Tunnels:** 3 nos, Total length of 431m (Bypass 1=150 m, Bypass 2=161 m, Bypass 3=130 m, Width: 3.43, Height: 4.4m.
- **Two terminal 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.

Physical Progress: 40.18 %

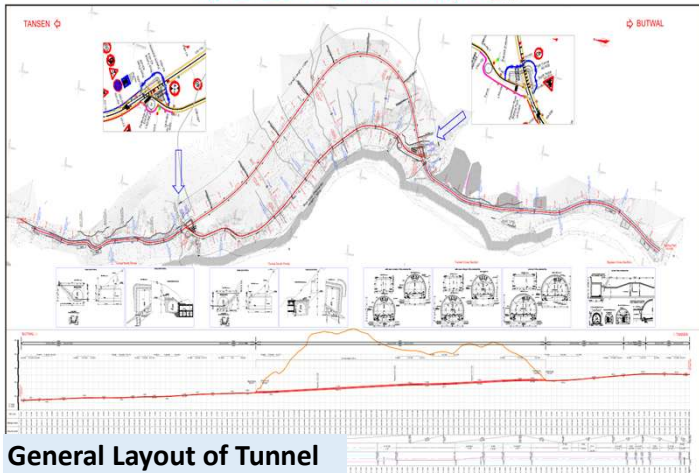
Financial Progress: 39.9 %
including 10% Advance Payment



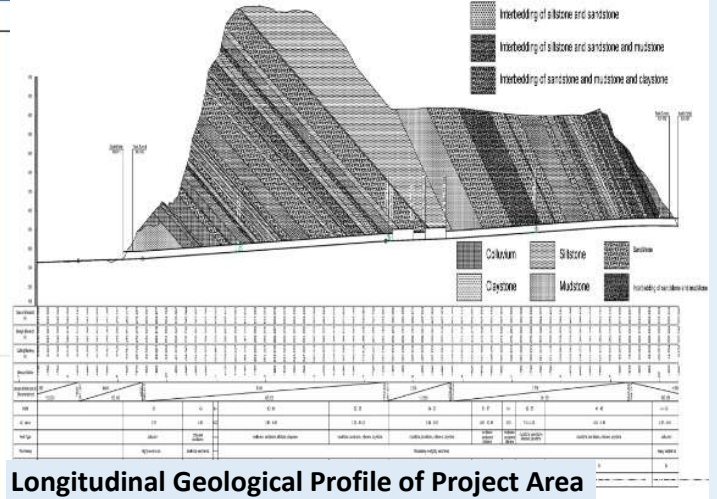
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Siddababa Tunnel Project



Nepal Siddhababa Tunnel Project General Layout



General Layout of Tunnel



Longitudinal Geological Profile of Project Area



Vertical Core Drilling Works



Canopy Construction at North Portal



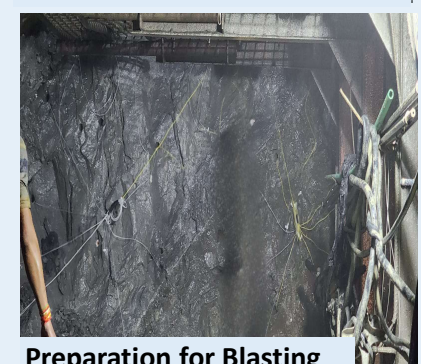
Cross Beam at South Portal



Slope Protection at South Portal



Probe Drilling Works



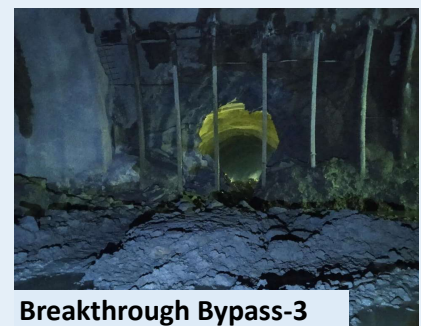
Preparation for Blasting



Breakthrough Bypass-1



Breakthrough Bypass-2



Breakthrough Bypass-3