



Infrastructure development Opportunities in Nepal



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NEPAL AND THE WORLD





MAP OF NEPAL





NEPAL AT A GLANCE



- **Area:** 147,181 sq. km
- **Geography:** Situated between China in the north and India in the South.
- **Capital:** Kathmandu
- **Population:** 27 Million
- **Language:** Nepali is the national language. However, travel-trade people understand and speak English as well.



NEPAL AT A GLANCE



Currency: Nepalese Rupee

Political System: Federal Democratic Republic

Religion: Nepal enjoys the distinction of being the only Hindu Kingdom in the world. However, there is a harmonious blending of Hinduism and Buddhism.

Climate: Nepal has four major seasons, namely,
(1) Winter: December-February,
(2) Spring: March-May,
(3) Summer: June-August,
(4) Autumn: September-November.



NEPAL IS KNOWN AS



- ☐ **LAND OF BRAVE GURKHAS**
- ☐ **LAND OF HIMALAYAS: 8 OUT OF 10
WORLD HIGHEST PEAKS ARE IN NEPAL**
- ☐ **BIRTH PLACE OF LORD BUDDHA**
- ☐ **IT'S THE 2ND RICHEST COUNTRY IN THE
WORLD IN TERMS OF WATER
RESOURCES**



NEPAL:FACTS AND FIGURES

- **Nepal - occupying only 0.1% of the earth - is home to:**
 - **2% of all the flowering plants in the world;**
 - **8% of the world's population of birds (more than 848 species);**
 - **4% of mammals on earth;**
 - **11 of the world's 15 families of butterflies (more than 500 species);**
 - **600 indigenous plant families;**
 - **319 species of exotic orchids.**



FLAG OF NEPAL



DEVELOPMENT STATUS

Transportation

- ❑ Modes of Transportation : Roads and air Transportation dominant
- **Strategic Road Network (SRN):** total 12,500 km. (Highway and Feeder Roads)
 - Bridges in SRN: >2000
 - Bridges Under construction in SRN : > 200 LRN:>1200
 - Postal Roads : **1170 km**
 - Mid Hill Highway : **976 km**
- **Local Road Network (LRN):** Total 57,700 km
 - Bridges in LRN: 560
 - Bridges Under construction in LRN : 450

Development Plan of Transportation Sector

Background

- **Transport Policy 2058 (2001) : main objective is to achieve connectivity through all weather national road network. This objective almost achieved**
- **Upgrading to Double lane and four lane roads towards addressing increasing need to improve level of service as well as safety to meet the international standard including Asian Highway standard.**
- **Collaboration with national and international agencies for upgrading as well as adoption of introduce international practices and technology transfer.**
- **Railway Network is of today's need for Nepal**
- **Construction of Tunnel , high bridges and viaducts to minimize travel time and to reduce Vehicle Operating Cost (VOC)**

Development Plan of Transportation Sector

Background

- **Construction of Innovative and Long Span Bridges, addition of new bridges and replacing old bridges by new ones along existing road network**
- **There is possibilities of Navigation in big rivers like Koshi, Narayani, Karnali**
- **Development of Trade routes connecting North and south international boarder**
- **Development of Road and Rail connectivity in collaboration / coordination with regional/ sub regional cooperation like SAARC, BIMSTEC, SASEC etc.**
- **Intersection improvement and construction of flyover / elevated highway in major cities**
- **Development of effective urban transportation system like Metro, BRT, mono rail**
- **Development of roads to Industrial sites like mining, cement, hydropower, agriculture and herb collection sites**

Infrastructure Development Opportunities

Five Year Transport Strategy of MOPIT

Major Programmes

1. Road Sector

- a) Rehabilitation of 400 km roads and 87 bridges damaged by April 2015 Earthquake
- b) Extension of Road Network and upgrading to minimum 2- lane (2198 km)
- c) Up gradation to Two lane to Four Lane of East west HW, Prithvi HW (1200 Km)
- d) Completing of Dharan – Hetaunda (318 km), Mid hill HW (1797 km) and postal road (1792 km)
- e) Development of North-South Corridor and major trade roads
- f) Kathmandu valley Road Improvement including Kathmandu – Terai Express Highway (76 km)
- g) Introduction of tunnel, flyovers, viaducts in road network to improve efficiency reliability and comfort as well as safety

Five Year Transport Strategy of MOPIT

Major Programmes

1. Road Sector

- f. Construction of Outer Ring road in Kathmandu Valley**
- g. Development of Mass Transportation network**
- h. Construction aesthetic bridges, additional 567 bridges and replacement or planned maintenance of old bridges**
- i. Introduction of Tunnel in Highways**
- j. Planned Maintenance of Road Network**
- k. Enhanced Road safety**
- l. Promotion of PPP, Design and Build, BOOT system in public infrastructure development.**

Five Year Transport Strategy of MOPIT

Major Programs

2. Railway Sector

- a. Preparation of DPR (Detail Project Report) and starting Construction Track bed and Bridges : East – West Electric railway (945 km)
- b. Preparation of DPR of Rasuwagadi-Pokhara-Lumbini and starting construction of electric railway (519 km)
- c. Detail study and starting construction metro rail in Kathmandu Valley (Capital city)
- d. Study of railway services in Janakpur and Biratnagar

Five Year Transport Strategy of MOPIT

Major Programmes

2. Railway Sector

S. N.	Name of Railway Line	Length of Railway
1	East West Railway	945km
2	Kathmandu Pokhara Railway with Abukhaireni Tamsariya Link	187km + 72km
3	Kathmandu Birgunj Railway	113 km
4	Rasuwagadi Kathmandu Railway	
5	Kathmandu Merto Rail	78km

Five Year Transport Strategy of MOPIT

Major Programmes

3. Transportation Management sector

- a. Introduction of Intelligent Traffic System in Kathmandu valley and other major cities .
- b. Development of Bus Terminals, BRT
- c. Establishing vehicle testing centers in all states
- d. Displacement of 20 years old vehicles
- e. Replacing by 20 % of existing vehicles by Environment Friendly Vehicle

Five Year Transport Strategy of MOPIT

Major Programmes

4. Water Navigation and Ropeway

- a. Feasibility study for the operation of water navigation in the rivers like Koshi, Narayani, Karnali etc.**
- b. Construction and operation of ropeway/ cable cars in tourism and religious places**

Five Year Transport Strategy of MOPIT

Estimated Investment

For the implementation of above mentioned programmes of Four Sectors of Transportation under GoN, Ministry of Physical Infrastructure and Transport

Sector	Estimated Investment	
	NRs.	USD
Road	620 billion	6.0 billion
Railway	180 billion	1.7 billion
Transportation Management	16 billion	150 million
Water navigation and Ropeway		
Total	816 billion	7.85 billion

Five Year Transport Strategy of MOPIT

Sources for Investment

- **National resources**
- **Bilateral funding**
- **Multilateral funding**

Opportunities in the development of Transportation sector in Nepal

1. Preparation of DPR (Detail Project Report)
2. Construction works in roads, bridges, railways. 9.5 million USD)
3. International Bidder can bid as a single or JV in ICB contracts
4. International Bidder can bid as a single or JV on Projects of more than NRs. 5 billion (approx. 47.5 million USD)
5. International Bidder can bid for the supply of goods

Conclusion

- Immense opportunity in overall infrastructure sector development, maintenance and operation.
- Opportunity in introducing new technology, improved skill, effective management skill, efficient resource mobilization and overall management skill.
- Sharing of International experience in infrastructure development, new technology, skill, capacity development practices in Nepal and to develop Nepalese counterpart.

Questions?