

PRESENTATION

ON

Quality Road Infrastructure Development

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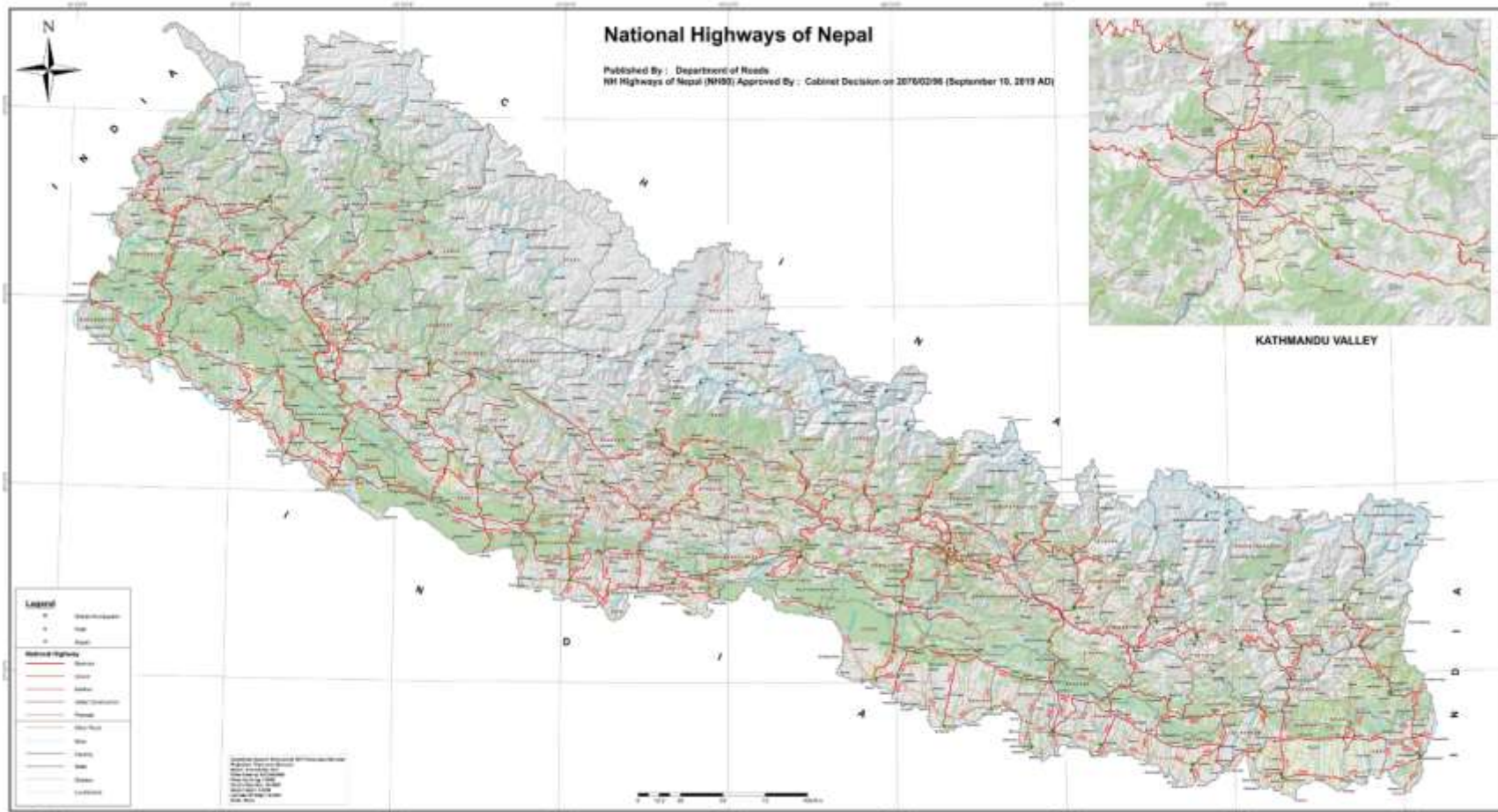
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- **Vision and new initiatives (master plans, projects and programs)**
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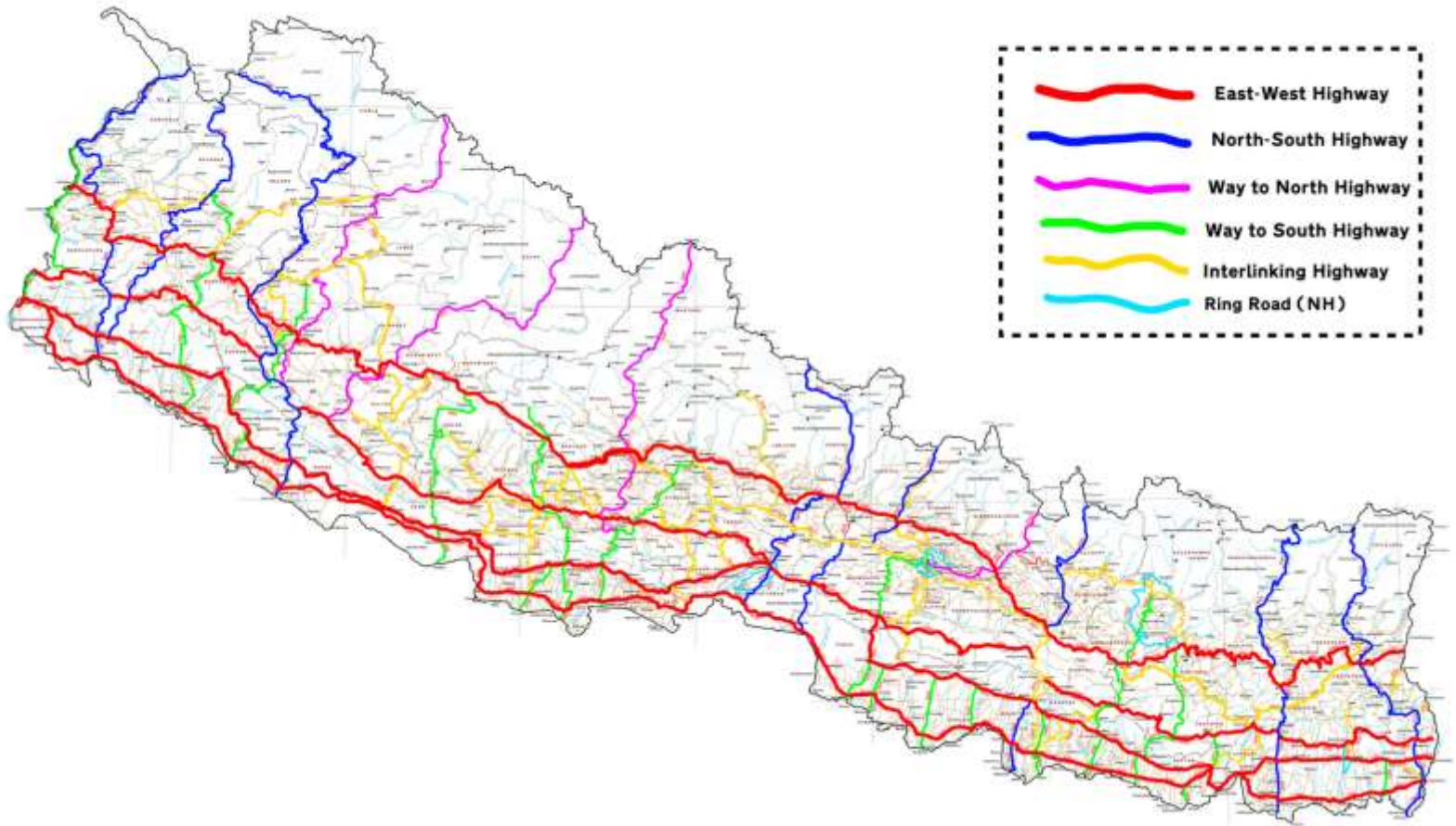
Introduction

- Area: 147,516 sq km
- Landlocked Country
- Population: 30 Million
- Political Division: Federalism with 7 province and 753 local bodies
- Population Growth Rate: 0.93 %
- Total National Highway :14,600 KM (7752 blacktopped, 1046 KM graveled, 3000 KM earthen, 415 KM under construction, 2,387 KM planned)
- Influenced Population :2471.76 (No per KM)
- Road Density :8.00 km/100 sq km

National Road Networks of Nepal



East West and N-S Linkage Major Highways



Key issues and challenges on the Quality infrastructure development in Nepal

- 83% of land is hilly to mountainous terrain
- Weak geological condition creating huge investment for slope stability of roads
- Coordination among different agencies
- Inefficiency of contractor
- Problem of use of local materials in construction

Key issues and challenges.....

- Frequently change in procurement act/regulations
- Unstable political situation
- Low internal income (more than 65 % allocated budget for road development from donor grant/loan)
- Lack of Skill professionals and modern technology
- Corruption practices leads the substandard works

Vision and new initiatives

- Master plan and Priority Investment Plan for highway development in final stage.
- Widening of East west Highway and Road connecting tourism centre and provincial headquarters from two lane to 4 to 6 lane standards
- Construction of Tunnel roads, overpass, underpass and wildlife friendly road infrastructures
- Construction of long span prestress bridges, Cable stage bridges , arch and network arch bridges

Vision.....

- Dedicated fund for highway maintenance
- 5 years PBM is included in widening contract
- Government high priority to develop transport infrastructures
- Increasing capability of technical manpower of government organizations
- Increasing capability of consultant and contractors
- Technology transfer from foreign consultant and contractors

Successful examples and best case

- Final breakthrough of siddababa tunnel(1126 m)
- Nagdhunga Tunnel construction work with the support of GoJ is in final stage (Main Tunnel : 2688 m and Evacuation Tunnel: 2557m)
- No of Tunnels and high raised bridges are under construction at Kathmandu Terai Fast track Road.
- Gwarko overpass is in final stage
- Arch and Network Bridges and long span prestress bridges are constructed

Expectations from the workshop

- Experience sharing with the expert of many country's friend's
- Gaining Knowledge for further road Development
- Gain knowledge Quality Road Development
- Gain Knowledge new technology in infrastructure Development

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THANK YOU

Arigatou gozaimasu – ありがとう
う ございます