



ព្រះរាជាណាចក្រកម្ពុជា The Kingdom of Cambodia



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A. Introduction To Cambodia

B. Key Issues And Challenges On The Quality Infrastructure

C. Vision And New Initiatives

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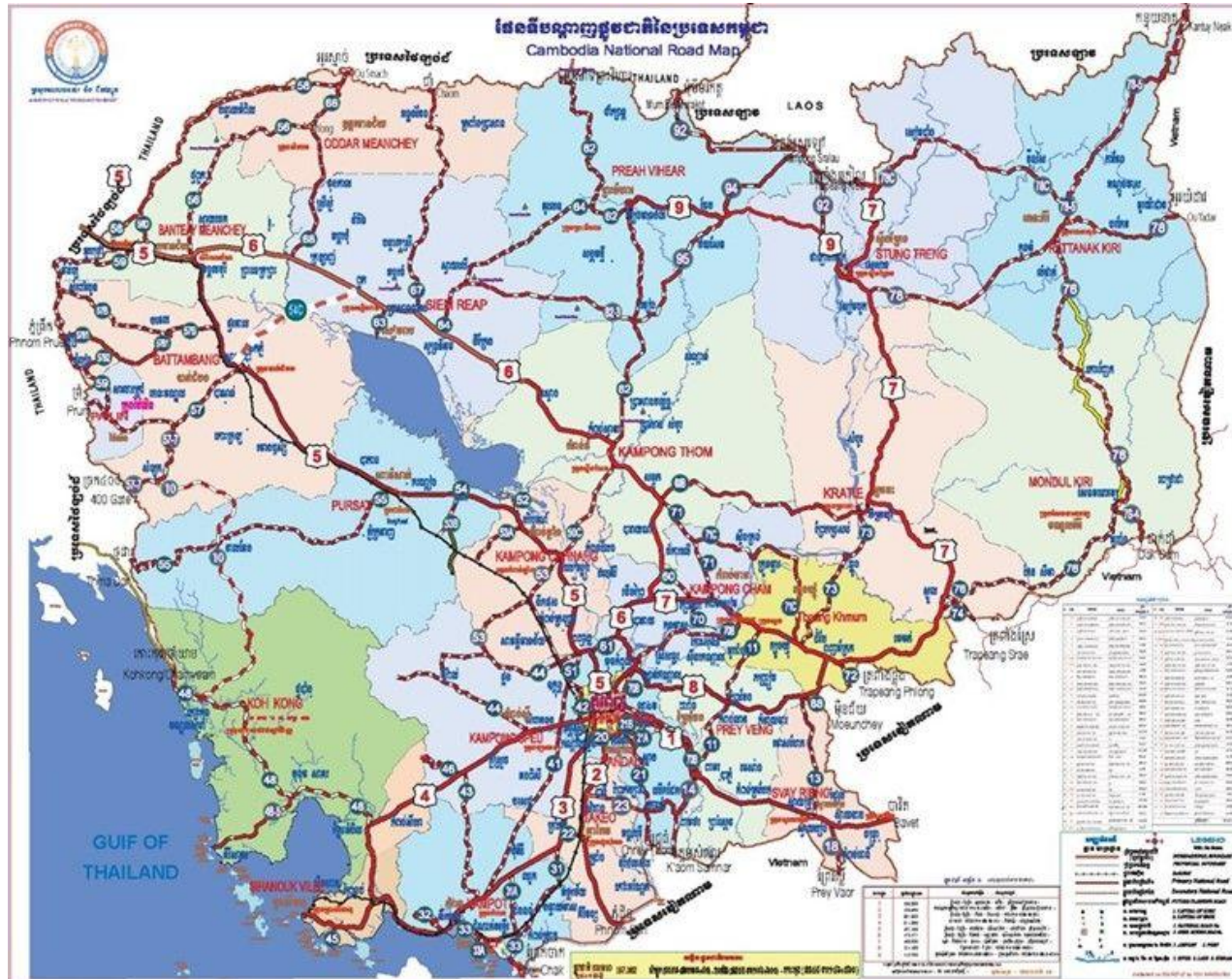
A. Introduction to Cambodia



- ❑ Location: Southeast Asia, bordered by Thailand, Laos, and Vietnam
- ❑ Capital City: Phnom Penh
- ❑ Population: Approx. 17 million
- ❑ Key Facts: Rich cultural heritage, famous for Angkor Wat, a rapidly developing economy



Cambodia Road Network



- The Monitoring Executive Unit of Government: Ministry of Public Works and Transport
- The Major Road are National Road (NR), Provincial Road (PR). And the Expressway from Phnom Penh to Sihanouk Ville
- The Total length of NR, PR and Expressway is 20,307.60Km



B. Key Issues And Challenges On The Quality Infrastructure

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1. KEY ISSUES

- **Climate Risks to Infrastructure**: Rising temperatures, extreme weather events, sea-level rise, and flooding. For example, the last 10 or 20 years, Our country have 2 regular season (Dry and Raining season) but now a day, in dry season still have heavy rain.
- **Resource Scarcity**: Water and energy shortages due to climate change.
- **Environmental Degradation**: Loss of biodiversity and ecosystem services that support infrastructure.



B. Key Issues And Challenges On The Quality Infrastructure

2. THE CHALLENGES

Financial Constraints: High costs of climate-resilient infrastructure, Limited funding for developing countries.

Technological Gaps: Lack of access to advanced technologies for sustainable infrastructure.

Policy and Governance: lack of enforcement, fragmented planning and coordination among stakeholders.

Social and Equity Issues: Disproportionate impacts on vulnerable communities





C. Vision & New Initiatives

- Promoting sustainable infrastructure investments.
- Innovative Financing: Green bonds, climate funds, and public-private partnerships
- Technology and Innovation: Smart infrastructure or City, AI, and IoT for climate monitoring and management
- Capacity Building: Training programs for engineers, planners, and policymakers.





D. Successful Examples and Best Case

❑ Road Improvement Projects:

- Rehabilitation of National Road No. 5
- Positive impact on regional trade, corridor, Local and International connectivity

❑ Bridges and Flyovers:

- Completion of Tsubasa Bridge (in Khmer: Neak Loeung Bridge)
- Reduction in travel time and enhanced safety

❑ Public-Private Partnerships:

- Successful collaboration for the construction of Phnom Penh International Airport's new terminal
- Boosted tourism and economic growth



Photographs in Cambodia



National Road No. 5



Tsubasa Bridge





E. Expectation from the workshop

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- Knowledge Sharing
- Collaborative Opportunities
- Technology and Innovation
- Policy and Regulation Insights
- Skill Enhancement
- Case Studies and Success Stories
- Challenges and Solutions
- Future Trends

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Thank You



Angkor Wat Temple