

د افغانستان اسلامي جمهوریت - جمهوری اسلامی افغانستان

د ترانسپورت وزارت ترانسپورت

ISLAMIC REPUBLIC OF AFGHANISTAN

MINISTRY OF TRANSPORT

د سرکونو ملی اداره | NATIONAL ROAD AUTHORITY | اداره ملی سرکها



## ► CAREC Corridor 5 & 6

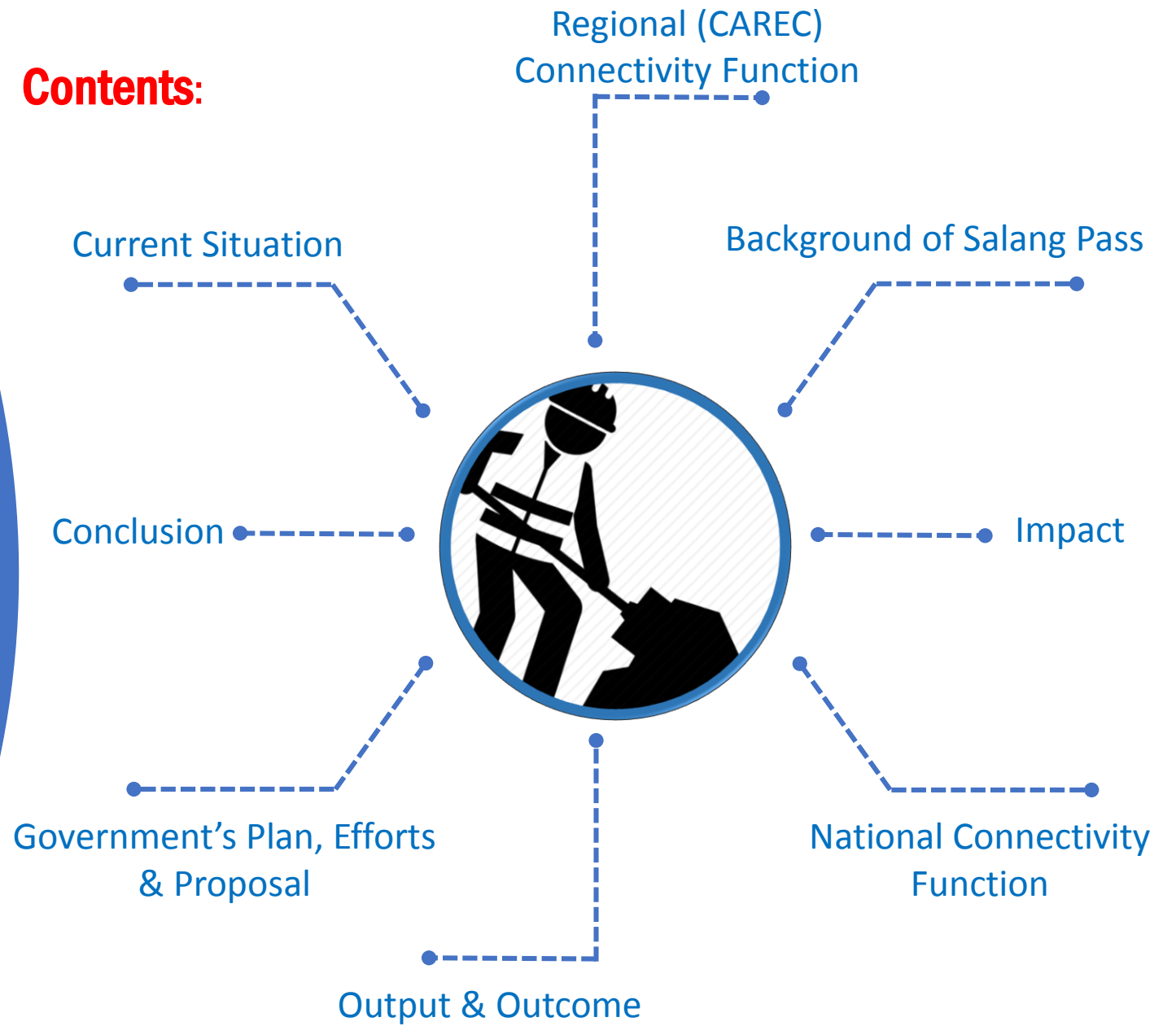
# Salang Pass

25 - 26 April 2019  
Toshkent, Uzbekistan





## Contents:





Constructed in 1964

## CAREC 5&6 CORRIDOR SALANG PASS



Located at Hindukush  
Mountains



It serves the 5 & 6 Corridor of CAREC

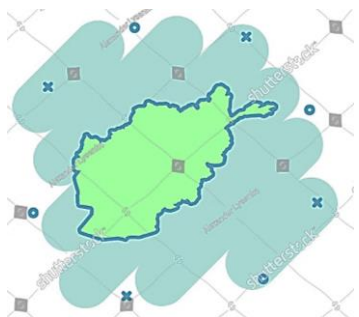
Altitude: 3400 M



Tunnel: 2.64 KM  
Highway: 82 KM



Designed for 1000 Vehicles / Day



The only Point connecting North  
Provinces to the capital



The Highest Tunnel of it's time (19s)



## CAREC 5&6 CORRIDOR SALANG PASS



➤ Health

➤ Environmental Pollution

Poor Ventilation & Lighting

➤ Accidents

Deteriorated Road Surface & Tunnel

High Risk of Hazardous Avalanches

Lack of Proper Safety Adequate Capacity & Maintenance

➤ 150 People Died & 400 Injured due to Snow Avalanches in 2010

Severe Destruction During the Civil War

Presence of Damaged Structures

Several Delays & Closure of Road

Excessive Traffic Amount

➤ 5500 Vehicles / Day (Actual) VS 1000 Vehicles / Day (Capacity)

Traffic Jam





Length: 88 KM



Rehabilitation & Expansion of Current Highway

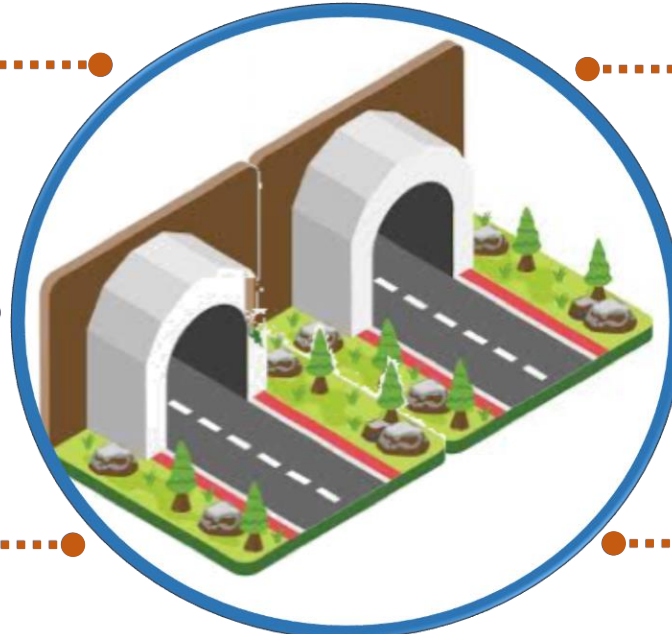


Construction of New Small Viaducts



Rehabilitation & Reconstruction of Avalanche Galleries

## CAREC 5&6 CORRIDOR SALANG PASS



The Design Ensures



Standard



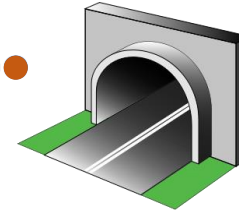
Environment



Construction Feasibility

Quality

Safety



Length: 6.5 KM

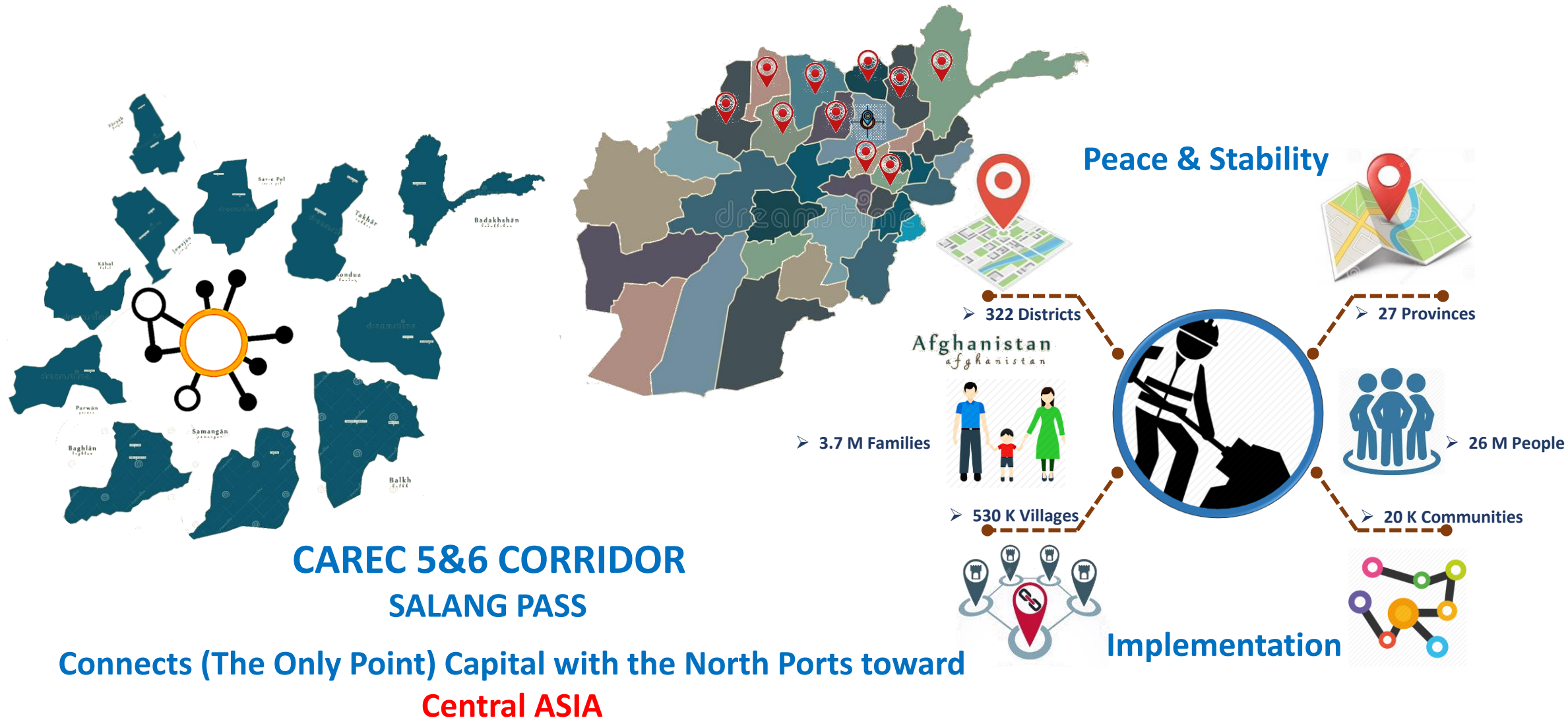
Construction of New Twin Tunnels

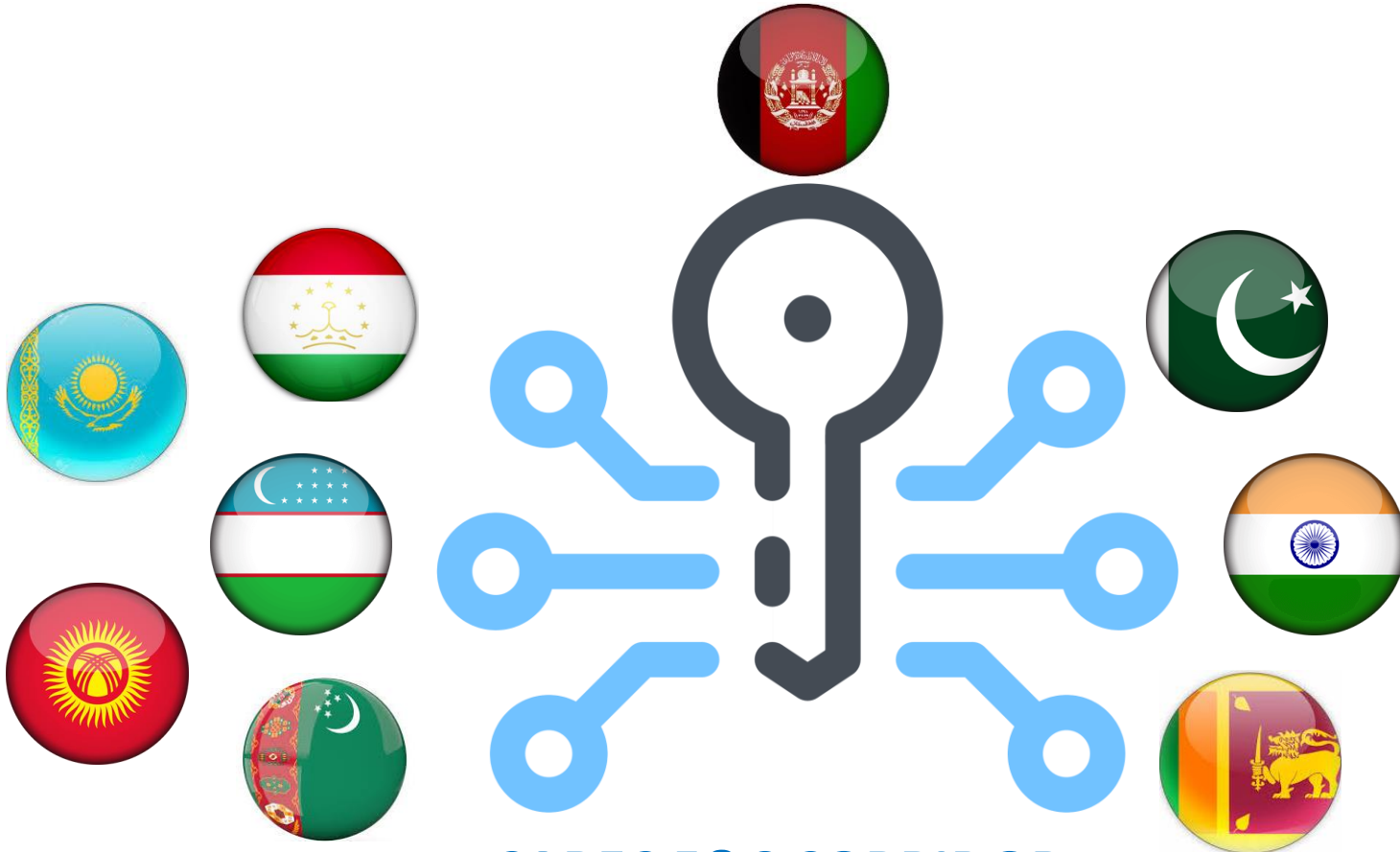


Economically Efficient Vs Estimated Cost



The Project Will be Ready for Procurement by 2020



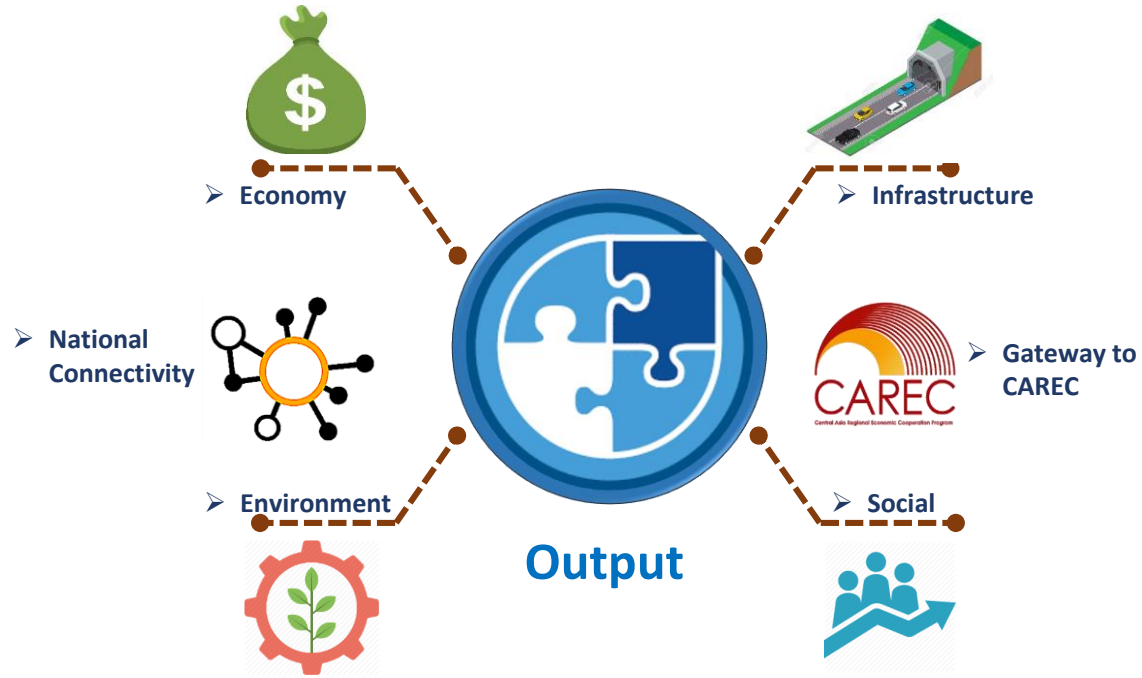


### CAREC 5&6 CORRIDOR

Its Serving as Key Hub for connecting North & Central AISA  
with the South & East ASIA







**Output**

- Effective & Efficient Infrastructure (New Tunnel & Highway)
- Increased Public and Private Investment in the Economy
- Enhanced considered and mitigation of environmental issues
- Improved links to education, safety and health
- Sustainable Connection of North Provinces to the Capital
- Key Central route within the CAREC Region

## CAREC 5&6 CORRIDOR SALANG PASS

- The Travel Time Will be Reduced 55 %, from 5 HRs to 2.5 HRs
- The Travel Cost Will be Reduces significantly
- 5000 Number of people directly and indirectly employed in road construction
- Most direct connection between planned northern and southern rail lines allowing multimodal transport optimization
- Improve Winter Transport Reliability
- Improve road safety and increase route sustainability



**Outcome**

- Transport Reliably
- Employment
- Lower Cost
- Lower Time
- Road Safety
- Transport Network





#### ➤ Greater Economic Accessibility

- Access to the Roads  
26 M people living within the 27 provinces of this Road Network
- Use of transportation  
Approx.. 25 K of people using transportation / Day
- Business productivity  
The Project Rate of Return would be 13



#### ➤ Economic Growth

- Employment :  
Direct Employment opportunities to 5 K people in the region
- Trade  
Volume of trade between CAREC will increase Significantly
- Vehicle's' Mobility  
Heavy Vehicles mobility will be increase will facilitated



#### ➤ Greater Accessibility to Social Services

- Around 15 M People in the region will approach to the capital for the following services
- School & Universities
- health centers
- local government office (Governance Stability)



#### ➤ Environmental Impacts of Project Minimized



#### ➤ Enhanced Safety & Health Linked to Roads

- Road deaths and injuries
- Accidents



#### ➤ Poverty Reduction

- Disease transmissions influenced by improved HIV/AIDS and TB infection rate
- Expansion of trade & employment increase play remarkable role in poverty reduction.






### CAREC 5&6 CORRIDOR SALANG PASS

 900 M



13 % 



Project Cost & Rate of Return



Traffic Jam & Deteriorated Road Surface





Dangerous Accidents





Deteriorated Road Surface &  
Environmental Pollutions

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# Questions & Answers