



Ministry of Information Technology
& Telecommunication

DIGITAL PAKISTAN

Pakistan as a Digital Corridor for the CAREC Countries

PAKISTAN'S TELECOM SECTOR CURRENT LANDSCAPE



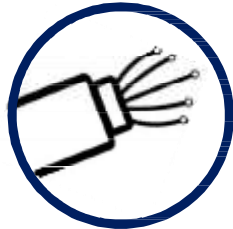
193 M
MOBILE CELLULAR
SUBSCRIBERS



58.08%
BROADBAND
PENETRATION (142 M)



79%
MOBILE
TELEDENSITY



8+3=11
SUBMARINE
CABLES



55K+
TOWERS'S
SITES



20+
DATA
CENTERS



75 M
SOCIAL MEDIA
USERS



LICENSES
Cellular x 5
Fixed x 342,
LDI X 36, TIP X 24

PAKISTAN DIGITAL CORRIDOR

Develop a Digital Fiber Optic Corridor to connect CAREC States through Pakistan's OFC Network

Stakeholder's

- CAREC Member States

Project description

- Pakistan holds strategic importance as a key fiber cable route connecting Central Asian countries to global digital networks. Its geographic location facilitates efficient, high-speed communication and data exchange, boosting regional connectivity.
- Following routes may be explored to Deploy redundant terrestrial network from Karachi to CAREC states:-
 - Karachi to Afghanistan through Torkham and then to other CAREC States
 - Karachi to Afghanistan/Wakhan through Khunjrab and then to other CAREC States
 - Karachi to Tajikistan through China via Khunjrab and then to other CAREC States
 - Karachi to Kyrizstan through Urumqi/China via Khunjrab and then to other CAREC States

Market Dynamics

- The data consumption Market in Central Asia (minus Azerbaijan) is 16Tbps, growing at 18% historic CAGR.
- Currently Central Asia is connected to Europe through Russia over a terrestrial and low resilience route.
- Growing interest in Central Asian to connect to Data nodes through the shortest path for faster speeds & better experience.
- With all hyperscalars setting up nodes in GCC, Pakistan can act as a digital corridor to connect content nodes to Central Asian Consumers.

ADVANTAGES FOR CAREC COUNTRIES

- 1.Reduced Latency: Faster data transmission for real-time applications.
- 2.Cost-Effective Connectivity: Shorter, more affordable routes for data traffic.
- 3.Improved Access to Global Markets: Enhanced participation in the global digital economy.
- 4.Redundant Routes for Reliability: Alternative pathways to reduce risks of disruptions.
- 5.Support for Digital Trade: Growth of e-commerce, digital services, and cross-border data flows.
- 6.Enhanced Regional Integration: Stronger economic and technological ties within CAREC.
- 7.Attracting Investment: Increased foreign investment in the digital sector.

MOVING FORWARD

1. Technical Committee:

- Request CAREC to establish a **Technical Committee** comprising representatives from the Ministries of IT of interested CAREC member countries.
- The committee will focus on discussing and addressing the **technical aspects** of the proposed digital connectivity, including infrastructure requirements, routing options, and implementation strategies.

2. Feasibility Study:

- Initiate a **comprehensive feasibility study** to explore the most efficient and cost-effective connectivity routes.
- The study will assess technical, financial, and logistical considerations to ensure the proposed digital corridor is viable and beneficial for all member states.

Thank You