



Navigating India's New Growth Frontier: Your Unified Digital Fabric for GCC Scale

India: The new global growth frontier

India has undergone a tectonic shift in the global value chain, emerging as a primary strategic anchor for multinational expansion. This metamorphosis is catalysed by hyper-accelerated digital adoption, a robust technological talent reservoir, and the proliferation of Global Capability Centers (GCCs). Evolving far beyond cost reduction roles, these centers have become dynamic 'brain hubs' driving innovation and intelligence. You face a heterogeneous digital landscape: regulations, data residency, and local access reality that can delay Day 0 planning. We help you navigate it with certainty.

These hurdles are compounded by the exigency of rapid time-to-market deployment.

“ More than \$1.5mn penalty for GCC non-compliance and performance or reporting violations ”

You need a partner who has done this before so you avoid false starts and move from complexity to certainty

By the 2025-26 fiscal period, the GCC ecosystem reached an unprecedented scale, with over 1,600 entities spearheading global R&D, applied AI, and enterprise-wide digital transformation. As multinational corporations (MNCs) operationalise "India-plus-one" diversification strategies, scaling their footprint across R&D labs and sophisticated manufacturing facilities, the requirement for a resilient, elastic, and cognitive network architecture has become a mission-critical imperative.

This document provides a comprehensive analysis of the structural challenges facing global enterprises, enclarks these against industry-standard frameworks, and demonstrates how Tata Communications serves as a sovereign advisory partner to de-risk the expansion lifecycle.

Barriers to velocity: The most common GCC set up challenges in India

- Regulatory & compliance sovereignty:** Complex data-residency and local-regulatory
- Accelerated time-to-value:** Rapid GCC scale-up requires automated Day-0-Day-2 frameworks to compress deployment cycles from months to days
- Network & SLA fragmentation:** Disparate ISP ecosystems and inconsistent service tiers hinder delivery of a high-performance user experience
- Zero-trust security imperatives:** Expanding digital estates necessitate rigorous ZTA to safeguard an increasingly exposed threat surface
- Infra & OEM asymmetry:** Regional connectivity gaps and multi-vendor interoperability introduce architectural friction and operational overhead
- Holistic observability & governance:** Distributed workloads require a single integrated view for unified visibility across LAN, WAN, and cloud
- Multi-cloud orchestration & sprawl:** Connecting diverse hyperscalers demands a unified fabric to eliminate latency and redundancy

Tata Communications: The "Sherpa of the East"

Tata Communications' Sherpa of the East value proposition is engineered to solve these complexities. We act as the definitive technology concierge, guiding global organisations through the intricacies of the Indian digital terrain with unmatched domain expertise and operational certainty. Our approach aligns with the recommended framework by CII (Confederation of Indian Industry) for GCC operationalisation.

Strategic alignment: The CII framework for GCC excellence*

To thrive in India's evolving landscape, global enterprises must align with the CII-suggested roadmap for high-growth hubs.

GCC infrastructure requirements

Physical

- Plug-and-play grade-A hubs:** Reliable utilities, resilient power, high-speed connectivity
- Co-located assets:** Data centers, power redundancy shared R&D facilities
- Talent & innovation stack:** On-site skilling centers, incubators, CoEs
- Scaled rollout:** 10 Digital Economic Zones (DEZs) - 5 tier-1 + 5 tier-2 - with competitive regulatory frameworks

Digital

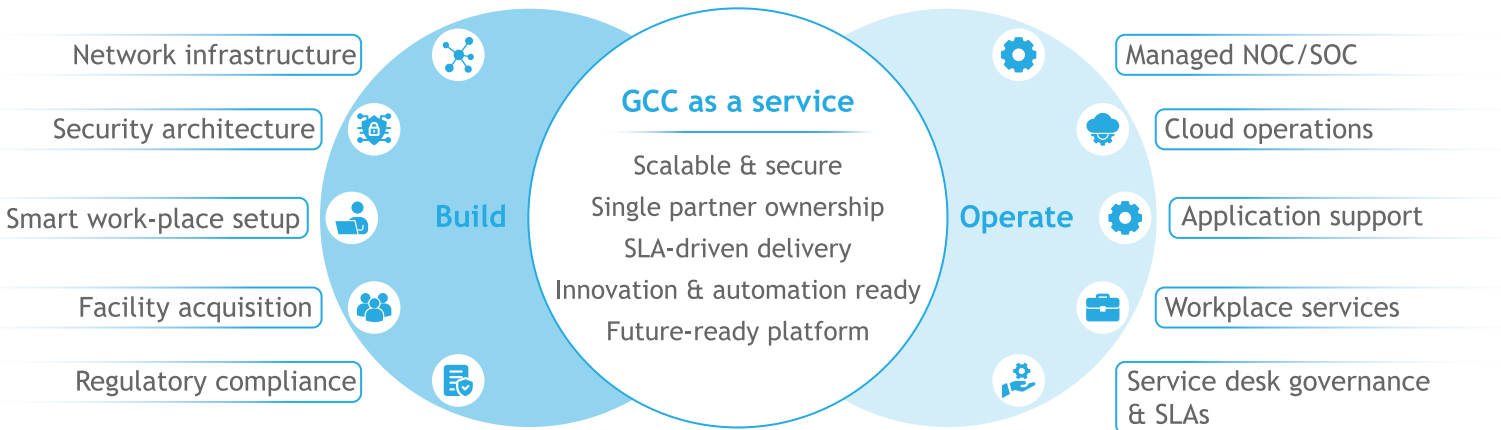
- AI-ready fabric:** Multi-petaflop compute clusters, LLM training environments in tier-1/2 GCC cities
- Integrated zones:** AI hubs embedded within plug-and-play parks in states with mature power/data/cloud ecosystems
- Ubiquitous connectivity:** High-speed backbone + consistent last-mile in tier-2/3
- National alignment:** Digital India, India AI National Broadband Mission

Tata Communications is the primary catalyst in turning these framework requirements into operational realities by adopting:

Design - Build - Operate: An SLA backed operating model for GCCs

Build: Designing & standing up a future ready GCC

- End to end network design and deployment
- Implementation of security architecture
- Creation of smart, digital workplaces
- Coordination of facility acquisition and office setup
- Compliance coverage for SEZ norms



Operate: Running, securing & optimising GCC

- 24x7 operations - remote monitoring, service desk
- Shift aligned operational models synchronised
- Managed NOC and SOC services
- CloudOps support for SaaS, and other enterprise workloads with monitoring, patching, backup, & DR

The Tata Communications advantage: A unified Digital Fabric for GCC Scale

As the ‘Sherpa of the East,’ Tata Communications provides the local expertise, global reach, and technical ‘oxygen’ required to unlock the vast opportunities of the Indian market. We uncomplicate the digital ecosystem through our Digital Fabric— a unified architecture connecting your users to their applications, anywhere in India. Tata Communications provides a cyber-resilient Digital Fabric that transforms your Indian GCC from a cost center into a global innovation engine covering all 3 miles as below:

- The user mile: Intelligent edge & workspace**
Next-generation LAN & Wi-Fi: Cognitive wireless networks optimised for high-density R&D and engineering environments.
Distributed Edge Platform: Integrates content delivery, DDoS protection, security, and edge compute—to ensure fast, secure, and resilient access

for web-facing and latency-sensitive applications.

- The middle mile: Agile connectivity & compliance**
Compliance-as-a-Service: End-to-end management of OSP and TRAI requirements, ensuring compliant data segmentation and lawful cross-border flows.
Secure by design: IZO™ SD-WAN and SSE standardise performance across emerging digital economic zones, delivering tier-1-grade connectivity anywhere.
- The cloud mile: Sovereign & hybrid cloud**
Multi-Cloud Fabric: Seamless orchestration between your private on-premise infrastructure and global hyperscalers (AWS, Azure, GCP).
Data sovereignty: Sovereign cloud capabilities ensure your sensitive GCC data resides within Indian borders while remaining globally accessible to your HQ.

Why Tata Communications: Proven leadership, assured execution

- Deep expertise across global network, cloud, cybersecurity, and managed services – the core foundation for modern GCCs
- Powered by Digital Fabric – a unified platform for visibility, automation, service orchestration, and performance monitoring
- Offer fully integrated Build-Operate-Manage models with ready infrastructure, security, compliance, and delivery frameworks
- Proven track record of managing enterprise-grade service delivery for Fortune 500 clients, with embedded automation and CoEs
- Our platform includes hybrid work enablement, AI/ML-driven automation, and industry-aligned CoEs (Centers of Excellence)
- Percentile of customer Net Promoter Score (NPS®) - 80

Driving digital transformation for global enterprises	5000+ Global customers	100% Cloud giants are connected to their businesses through us	99.8% First time right deployment of network transformations with automation led delivery	600K+ IoT sensors connected
	190+ Countries of operation	#1 Submarine cable owner	3.5 Tbps Traffic screened for threats daily	240+ Countries on global voice footprint

What you gain: Outcomes delivered

- End-to-end digital infrastructure embedded into your GCC strategy from day one
- Confidence in scalable, high-performance operations with built-in service resiliency
- Real-time governance and intelligent automation across your GCC operations
- Access to global best practices and cross-industry capabilities tailored to your business needs
- Faster setup with minimised risk, regulatory readiness, and faster time to value

Build once. Scale fast. Govern always.

The next wave of GCC growth will be won on three metrics: time to value, assured compliance, and cyber resilience. Enterprises that architect these into the foundation will scale confidently across cities, clouds, and functions.

Tata Communications delivers a unified answer: a cyber resilient Digital Fabric that standardises the employee

experience, industrialises compliance, and orchestrates hybrid/multi cloud connectivity.

Schedule a 20-minute session. We'll show exactly how your Design Build Operate rollout lands on time with compliant connectivity, SSE, and managed Wi Fi ready from Day 0.

For more information, visit us at www.tatacommunications.com

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